

# Annual Report **2014**



Generalitat de Catalunya  
**Departament de Salut**



Institut Català  
de la Salut

**UAB**

Universitat Autònoma  
de Barcelona

# Summary

## Presentation

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| Life Style                                           | 67         |
| Mental Health                                        | 74         |
| Musculoskeletal Diseases                             | 81         |
| Others                                               | 87         |
| Respiratory                                          | 96         |
| <b>9. Production not Included in Research Groups</b> | <b>110</b> |

## Presentation



The main health problems of the population and the most prevalent diseases fall under the responsibility of primary care research, whose aim is to find the optimal management of these conditions and meet the public's healthcare requirements.

The various research institutes integrated within hospitals and primary care centres of the Catalan Institute of Health conduct essential scientific research. As such, the Catalan Institute of Health takes an active role in supporting and coordinating the scientific activity of the Primary Care Research Institute-IDIAP Jordi Gol and also in its organs of governance.

For the past 19 years, the IDIAP Jordi Gol has striven for the feasibility of research in primary care. Indeed, they have achieved high quality research that aims to solve real health issues by generating new knowledge and scientific evidence in addition to contributing to the academic development of primary care professionals.

The data presented in this 2014 Report confirm the good health of biomedical research in primary care in Catalonia despite current financial constraints. We will continue to support primary care research prioritising efficiency, collaborations and research networks with the ultimate goal to improve the health of every citizen.

### **Dr. Pere Soley Bach**

Managing Director of the Institut Català de la Salut

## Report IDIAP 2014



Novel ideas and a drive to solve problems are essential to successfully carry out research in Primary Care. Indeed, the accessibility and long-term follow up of patients implicit in primary health care provide an ideal framework for research. Moreover, primary care has a unique integral and coordinated approach to patient care.

Unquestionably, it is this proximity of primary care to the population that compels us to make every effort to translate the results of research into clinical practice. As such, it is a priority for all the IDIAP Jordi Gol investigators to conduct research that increases the efficiency of the health services, with studies on prevention and on the initial phases of diseases.

For the past 19 years we have endeavoured to promote research in primary care within our organisation by offering knowledge, skills and excellence to all health professionals that aim to investigate. The current 2014 Report confirms the upward trend of research in primary care despite dire financial constraints. In total, we have conducted 242 research projects, 8% of which with International collaborators. We have also published more papers and increased our IF since 2013 from 609.48 to 820.57.

We have also published 274 articles in 2014, compared to 399 in 2013, while consolidating training opportunities by encouraging experienced investigators to share with other health professionals their expertise and skills in their respective areas of interest.

All in all we feel optimistic and confident about the future, our institution continues to grow and areas of research are being consolidated. Indeed, in 2016 we will celebrate 20 years of the IDIAP as the centre of excellence for research in primary care not only in Catalonia, but in the whole of Spain.

### **Dr. Concepció Violan Fors**

Chief Director

*Institut universitari d'Investigació en Atenció Primària IDIAP Jordi Gol*



# 1. Strategy: Definition

## 1.1 Mission

The objective of the IDIAP is to create applicable new knowledge and evidence by promoting and managing research of excellence in Primary Care, primarily in Catalonia, through training in research, innovation, dissemination of results and translation to the health services.

## 1.2 Vision

We aim to be a leading primary care research organization in Catalonia, Spain and internationally through excellence in research, and to facilitate the participation of professionals in research groups and the dissemination and translation of results into everyday clinical practice.

## 1.3 Values

### Trust

Trust implies confidentiality, the good use of the data to which we have access as investigators.

### Equity

Equity is the fair and adequate treatment that takes into account the circumstances and values of every individual without discrimination. This fair and adequate treatment must also prevail in the relationship with workers, providers and other stakeholders.

### Responsibility

Responsibility is the capacity to own your own decisions and acts, to assume their consequences and to inform the people involved. Responsibility requires transparency and truthfulness about what we say and do (actions), why we do it (values) and its consequences, to ensure good practice in research, teaching and management.

### Excellence

Excellence is the continuing professional development to work to the best of our ability, to lead improvement initiatives and to be aware of the changes around us. Excellence requires a set of knowledge, skills and attitudes adequate for the activities we want to carry out.

### Cooperation

Cooperation is the attitude of participation and involvement in teamwork, from our own individuality and with a critical approach. We develop our individual work abilities through complementarity and coordination of labour.

### Collaboration

Working alongside and in conditions of equality with other public and private organizations involved in research and provision of health services.

### Innovation

Capacity to introduce changes to improve assistance and care taking into account feasibility, risks and benefits.

## 2. Strategy: Objectives

### 2.1 Plan of Action 1

To further the suitability of the IDIAP Jordi Gol to respond to the most pressing questions on the health system from a primary care perspective and to translate the research results to society and to the health services.

To further the suitability of the IDIAPJGol to respond to current research questions based on priority research areas, to consolidate the IDIAPJGol's platforms and to strengthen its voice within the Spanish research institutions. We aim to solve questions on health and organisational issues based on the demands of society and to translate the results to improve the health of the population and the quality of the national health system.

#### Objectives

- To optimize the role of the IDIAPJGol within health research.
- To further the excellence of the SIDIAP platform for the development of research projects based on various databases of the health system.
- To optimize the accreditation of the IDIAPJGol to maximize its objectives, results and sustainability.
- To promote activities to increase the participation of patients in research projects.

### 2.2 Plan of Action 2

To improve the organization and availability of resources to carry out research.

This Plan of Action includes the actions aimed to improve excellence in the research groups, the training of investigators, the internal organization and the quality of processes of the IDIAPJGol.

#### Objectives

- To further the excellence of the IDIAPJGol research groups.
- To guarantee the quality of procedures and results of the IDIAPJGol.
- To implement a training programme to improve the skills of the investigators.
- To redefine internal and external communication strategies.
- To review the organization for the management of the IDIAPJGOL to respond to the needs of their clients.

### 2.3 Plan of Action 3

To promote the collaboration with other national and International organizations.

This Plan of Action aims to strengthen the collaboration of the IDIAPJGol with national and international agents involved in research and innovation: research institutions, health services providers, universities, scientific societies and other organizations that support transfer of knowledge and innovation. We are particularly interested in the IDIAPJGol taking part in European studies to promote the internationalization of our institution and to ensure its sustainability.

#### Objectives

- To define a collaborative model with the research institutes in our region adapted to the characteristics of each institute.
- To participate in the research network of Catalonia and Spain.
- To increase participation in global and European Union networks and projects.
- To increase the collaboration with the UAB in research, training and translational projects.

## 2.4 *Plan of Action 4*

To innovate and translate the results of research into society.

The activities proposed in this Plan of Action aim to translate the results of research into the health services and to present novel concepts (technological, biomedical, biotechnological and of health services) to the industry.

### Objectives

- To define a collaboration model with the CIH to promote innovation and translation of knowledge.
- To promote a cultural shift towards innovation through training exercises and with the support of experts in technology transfer.
- To increase the translation of research results into clinical practice: to encourage inclusion of results in clinical guidelines and tools that assist decision making to improve effectiveness, efficiency and safety of decisions.
- To establish agreements with the industry (think about entrepreneurship, consultancy, innovation, intellectual property, translation, funding, etc. for each project).

## 2.5 *Plan of Action 5*

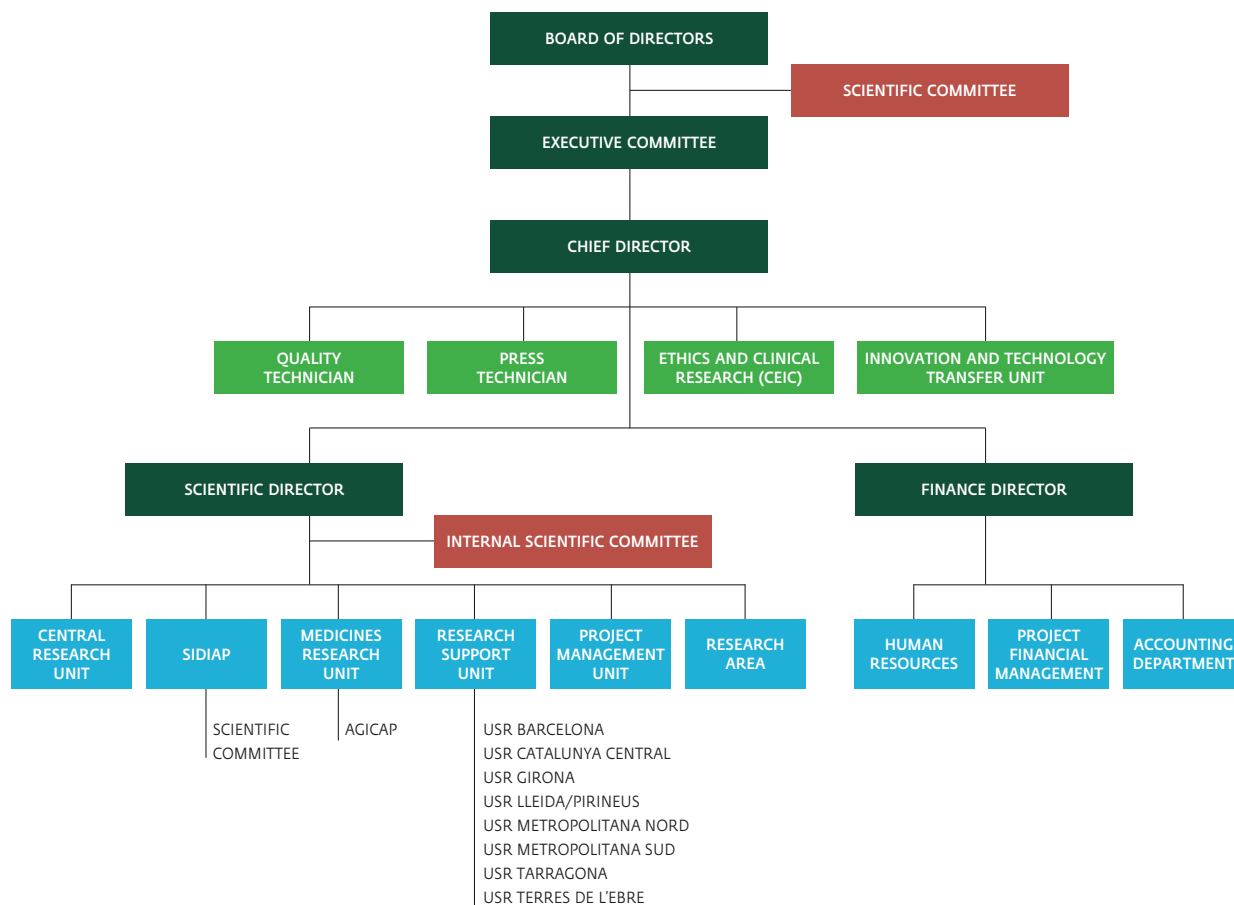
The research priorities of the IDIAPJ Gol are:

- Diabetes research
- Mental health research
- Research in respiratory diseases
- Cardiovascular health research
- Lifestyles research
- Health services research
- Research on musculoskeletal conditions.



### 3. Organisation and Structure

#### 3.1 Organisation Chart



## 3.2 Organs Of Governance

### Board of Trustees

The Board of Trustees is the highest organ of governance, administration and representation of the IDIAP Jordi Gol.

The Board of Trustees has a minimum of two ordinary sessions per year; it can also be convened at the request of the presidency or of a third of its members.

The functions of the Board of Trustees are:

- To ensure compliance with the aims of the entity.
- To accept its own research projects and projects from external programmes with a contents in agreement with the aims of the entity.
- To approve the general plan of action of the IDIAP Jordi Gol, the programme of activities, costs and sources of funding proposed by the management.
- To approve the yearly budget of the IDIAP Jordi Gol.
- To approve the compulsory yearly reports, inventories, balance and statements of accounts.
- To dictate, if necessary, a Code of Internal Regulations.

#### Honorary President

Boi Ruiz García

Health Department. Generalitat de Catalunya

#### Honorary President

Isabel Freixa Janáriz

#### President

Pere Soley Bach

Catalan Institute of Health (ICS)

#### Vice-President

Carles Constante Beitia

Health Department. Generalitat de Catalunya

Lluís Tort Bardalet

Universitat Autònoma de Barcelona

#### Other members

Josep Davins Miralles

Health Department. Generalitat de Catalunya

Antoni Juan Pastor

Catalan Institute of Health (ICS)

Maria Assumpció Laïlla Jou

Health Department. Generalitat de Catalunya

Rosa Maria Morral Parente

Catalan Institute of Health (ICS)

Ricard Pujol Borrell

Catalan Institute of Health (ICS)

Sara Rodríguez Requejo

Catalan Institute of Health (ICS)

Pilar Solans Julián

Catalan Institute of Health (ICS)

#### Secretary

Montserrat Martínez Morales

Catalan Institute of Health (ICS)

## Executive Committee

The Board of Trustees appoints and determines the administrative and representative functions of the Executive Committee.

These functions are:

- To create and approve proposals of research and training within the IDIAP Jordi Gol.
- To allocate resources to research and training programmes.
- To decide and authorise projects that will use investment and the technical and administrative facilities of the organization in accordance with the priorities and interests of the IDIAP.
- To execute and ensure the implementation of the agreements of the Board of Trustees related to the matters of their competence and any other delegated to the Committee.

### Vice-President

Antoni Juan Pastor

Catalan Institute of Health (ICS)

### President

Lluís Tort Bardolet

Universitat Autònoma de Barcelona

### Other members

Josep Davins Miralles

Health Department. Generalitat de Catalunya

Ricard Pujol Borrell

Catalan Institute of Health (ICS)

### Secretary

Montserrat Martínez Morales

Catalan Institute of Health (ICS)

### Management:

#### Chief Director

Concepció Violan Fors  
cviolan@idiapjgol.org



#### Scientific Direction

Bonaventura Bolívar Ribas  
bbolibar@idiapjgol.org



#### Financial Management

José M<sup>a</sup> Gállego Peiré  
jgallego@idiapjgol.org



### *Internal Scientific Committee*

The Scientific Committee advises the IDIAP Jordi Gol on the running and strategy of the organization. The Scientific Committee also participates in the evaluation of the Calls for Proposals of the IDIAP and the evaluation of projects as a Researchers' Committee in the FIS Calls for Proposals. The president of the Committee is Dr. Bonaventura Bolívar.

The functions of the Internal Scientific Committee are:

- To propose programmes and projects to the Executive Committee and to determine the suitability of research protocols in relation to objectives and to available resources.
- To provide direction and determine priorities in relation to the research projects.
- To establish criteria and ethical, scientific and quality regulations for the optimal allocation of research funding.
- Propose to the Executive Committee the required logistic and infrastructural development for the research of the IDIAP.
- To supervise the progress and results of the research process of the IDIAP.
- To link the research sector of the IDIAP Jordi Gol with its organs of governance.
- To write the report of the scientific activities of the Committee.
- To represent the IDIAP in its relationships with the institutions of the Generalitat and of Spain responsible for scientific policies.

Members of the Internal Scientific Committee:

Carina Aguilar Martín  
Josep Basora Gallisà  
Bonaventura Bolívar Ribas  
Inés Cruz Esteve  
Joan Deniel Rosanas  
Rosa Morros Pedrós  
Miguel Angel Muñoz Pérez  
Enriqueta Pujol Ribera  
Rafel Ramos Blanes  
Pere Josep Simonet Aineto  
Pere Torán Monserrat  
Concepció Violan Fors

## External Scientific Committee

The Scientific Counsel or External Scientific Committee consists of experts with the function to advise the Board of Trustees when required.

The functions of the Independent Scientific Committee are:

- To evaluate the scientific, technical and good practice quality of the IDIAP.
- To link research groups of the IDIAP with national and international investigators.
- To advise the scientific director in matters of research policies and selection of research personnel.
- To write a report on the evolution of the IDIAP based on the evaluation of the strategic plan approved by the Board of Trustees.

The following professionals are members of the External Scientific Committee:

|                                       |                                                                                                                                                           |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Juan Ángel Bellón Saameño             | General Practitioner. El Palo Health Centre, Málaga                                                                                                       |
| Carme Borrell Thio                    | Director of the Public Health Observatory and Research and Teaching Director. Public Health Agency of Barcelona.                                          |
| Esteve Fernández Muñoz                | MD, researcher. IDIBELL Foundation. Barcelona.                                                                                                            |
| Agustín Gómez de la Cámara            | Director. Research Unit and CAIBER. University Hospital 12 de Octubre. Madrid.                                                                            |
| Jaume Marrugat de la Iglesia          | Director of the Research Programme in Inflammatory and Cardiovascular Processes (RICAD). Institut Municipal d'Investigació Mèdica (IMIM-Hospital del Mar) |
| José M <sup>a</sup> Valderas Martínez | Professor of Health Services & Policy<br>NIHR Clinician Scientist<br>Patient Centred Care Lead, University of Exeter (UK)                                 |

## 4. Research Results

### Throughputs

| CURRENT PROJECTS                                                                          |                                                       |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------|
| Number and total amount of current projects (all projects)                                | 242 projects<br>259 funding<br><b>6,488,229.397 €</b> |
| Number and total amount of current competitive projects                                   | 110<br><b>3,675,870.72 €</b>                          |
| Number Consultancy                                                                        | 46                                                    |
| Cost Consultancy                                                                          | <b>2,625,873.25 €</b>                                 |
| Number Other Projects (IDIAP, ICS, Innovation and projects promoted or funded by the ICS) | 110                                                   |
| Cost Other Projects                                                                       | <b>186,486 €</b>                                      |
| % PI projects ICS physicians                                                              | 195/242<br><b>80 %</b>                                |
| CURRENT EUROPEAN PROJECTS                                                                 |                                                       |
| % international projects (Call for proposals)                                             | 3/242<br><b>1.24%</b>                                 |
| % international projects (Total)                                                          | 20/242<br><b>8.26%</b>                                |
| NEW PROJECTS                                                                              |                                                       |
| New Projects                                                                              | 61                                                    |
| Amount New Projects                                                                       | <b>1,7838,483.68 €</b>                                |
| CALLS FOR PROPOSALS                                                                       |                                                       |
| % success ISCIII calls<br>(only calls for projects)                                       | 8/25<br><b>32%</b>                                    |
| % success in European calls                                                               | 3/23<br><b>13%</b>                                    |
| CLINICAL TRIALS                                                                           |                                                       |
| Number AACC (active)                                                                      | 37                                                    |
| Amount AACC                                                                               | <b>745,000</b>                                        |



## Outputs

|                                                        |                 |
|--------------------------------------------------------|-----------------|
| Total of articles                                      | 451             |
| IF                                                     | 1010.869        |
| % 1Q                                                   | 109/451 = 24.2% |
| %1 Decile                                              | 48/451 = 10.6%  |
| Authorship Index (calculated with 1st and last author) | 334/451         |
|                                                        | 0.741           |
| Total Number of Citations                              | 792             |
| H-Index                                                | 12              |
| Highly Cited Papers                                    | 16              |
| Patents                                                | 0               |
| Clinical Guidelines                                    | 13              |
| Books                                                  | 13              |
| Communications                                         | 337             |
| Public engagement activities, impacts                  | 33              |

Research groups certified by of IDIAP Jordi Gol or external agency

| GROUP                                                                                  | IP GROUP                                | CERTIFIED BY    | USR                | START |
|----------------------------------------------------------------------------------------|-----------------------------------------|-----------------|--------------------|-------|
| ARTPER study group                                                                     | Alzamora Sas, M <sup>a</sup> Teresa     | IDIAP Jordi Gol | Metropolitana Nord | 2010  |
| Cancer Research Group in Primary Health Care.                                          | Marzo Castillejo, Maria Merce           | AGAUR           | Metropolitana Sud  | 2014  |
| CÀNCER-AP                                                                              |                                         | IDIAP Jordi Gol |                    | 2013  |
| Epidemiologic Research Group in Diabetes from Primary Health Care DAP_CAT              | Franch Nadal, Josep                     | IDIAP Jordi Gol | IDIAP Jordi Gol    | 2011  |
|                                                                                        |                                         | AGAUR           | IDIAP Jordi Gol    | 2014  |
| Reus-Tarragona Diabetes Research Group                                                 | Costa Pinel, Bernardo                   | AGAUR           | Tarragona-Reus     | 2014  |
|                                                                                        |                                         | IDIAP Jordi Gol |                    | 2007  |
| EPIVAC: Effectiveness of Pneumococcal and Influenza Vaccines                           | Vila Corcoles, Angel                    | AGAUR           | Tarragona-Reus     | 2014  |
|                                                                                        |                                         | IDIAP Jordi Gol |                    | 2007  |
| Lifestyles                                                                             | Martin Cantera, Carlos                  | IDIAP Jordi Gol | Barcelona          | 2010  |
| Study Group of Musculoskeletal Diseases in Primary Care. GEPALAP                       | Barra López, Martin Eusebio             | IDIAP Jordi Gol | Metropolitana Sud  | 2013  |
| Respiratory System Pathology in Primary Care Study Group (GEPAR-AP)                    | Martín Luján, Francisco                 | IDIAP Jordi Gol | Tarragona-Reus     | 2010  |
| Primary Care and Mental Health Research Group (GRAPISAM)                               | Peñarrubia María, M <sup>a</sup> Teresa | IDIAP Jordi Gol | Metropolitana Sud  | 2010  |
| Research Group in Sexual and Reproductive Health. GRASSIR                              | Falguera Puig, Gemma                    | AGAUR           | Metropolitana Nord | 2014  |
|                                                                                        |                                         | IDIAP Jordi Gol |                    | 2013  |
| Research Group in Nursing Care. GRCS                                                   | Campo Osaba, Maria Antonia              | IDIAP Jordi Gol | Barcelona          | 2013  |
| Cardiovascular Research Group. GRECAP                                                  | Muñoz Pérez, Miguel Angel               | AGAUR           | Barcelona          | 2014  |
|                                                                                        |                                         | IDIAP Jordi Gol |                    | 2012  |
| Research Group in Chronic Respiratory Disease. GRECMaR                                 | Torán Monserrat, Pere                   | IDIAP Jordi Gol | Metropolitana Nord | 2010  |
| Hepatic Diseases in Primary Care Research Group. GRemHAP                               | Caballería Rovira, Llorenç              | IDIAP Jordi Gol | Metropolitana Nord | 2010  |
| Primary Care Research Group in Common Disorders of the Musculoskeletal System. GREMPAL | Prieto Alhambra, Daniel                 | IDIAP Jordi Gol | IDIAP Jordi Gol    | 2012  |
| Research Group in Primary Health Services. GRenSSAP                                    | Bolíbar Ribas, Bonaventura              | AGAUR           | IDIAP Jordi Gol    | 2014  |
| Research Group in Primary Health Services in Catalonia. GRenSSAP Catalunya             | Bolíbar Ribas, Bonaventura              | RETICS          | IDIAP Jordi Gol    | 2003  |
| Research Group in Therapies in Primary Care. GRETAP                                    | Cruz Esteve, Inés                       | AGAUR           | Lleida             | 2014  |
|                                                                                        |                                         | IDIAP Jordi Gol |                    | 2013  |
| Osteoporosis and Musculoskeletal Diseases in Primary Care Research Group. GROIMAP      | Azagra Ledesma, Rafael                  | AGAUR           | Metropolitana Nord | 2014  |
|                                                                                        |                                         | IDIAP Jordi Gol |                    | 2010  |
| Respiratory Diseases - Vallès Oriental Research Group. GRRVO                           | Roig Remon, Lydia                       | IDIAP Jordi Gol | Metropolitana Nord | 2010  |
| Laboratory Group for the Research in QUALITY INDICATORS                                | Llovet Lombarte, M <sup>a</sup> Isabel  | IDIAP Jordi Gol | Terres de l'Ebre   | 2013  |
| Girona Vascular Health Research Group. ISV                                             | Ramos Blanes, Rafel                     | AGAUR           | Girona             | 2014  |
|                                                                                        |                                         | IDIAP Jordi Gol |                    |       |
| Group for the Study of Cardiovascular Diseases in Primary Care. MACAP                  | Barrio Ruiz, Carmen                     | IDIAP Jordi Gol | Metropolitana Sud  | 2010  |
| Group for the Study of Cardiovascular Diseases in Primary Care. MACAP RENAL            | Salvador Gonzalez, Betlem               | AGAUR           | Metropolitana Sud  | 2014  |

| GROUP                                                                           | IP GROUP                              | CERTIFIED BY             | USR                | START        |
|---------------------------------------------------------------------------------|---------------------------------------|--------------------------|--------------------|--------------|
| Respiratory Diseases in Primary Care Emergent Research Group. MPOC-BCN          | Llauger Rosselló, Maria Antònia       | IDIAP Jordi Gol          | Barcelona          | 2010         |
| Community Nutrition and Health. NUSCO                                           | Arija Val, Victòria                   | IDIAP Jordi Gol          | Tarragona-Reus     | 2010         |
| Oldest' Characteristic and Assessments - Baix Llobregat study's group. OCTABAIX | Ferrer Feliu, Assumpta                | IDIAP Jordi Gol          | Metropolitana Sud  | 2010         |
| Observatory for the Study of Asbestos-Related Illnesses. OMRA                   | Abós Herrandiz, Rafael                | IDIAP Jordi Gol          | Metropolitana Nord | 2010         |
| Cardiovascular Prevention in Terres de l'Ebre. PreCarTe                         | Dalmau Llorca, Maria Rosa             | AGAUR<br>IDIAP Jordi Gol | Terres de l'Ebre   | 2014<br>2012 |
| Mental Health Tarragona                                                         | Aragonès Benaiges, Enric              | IDIAP Jordi Gol          | Tarragona-Reus     | 2007         |
| Information and Communications Technology in Primary Care. TICS-AP              | Flores Mateo, Gemma                   | AGAUR<br>IDIAP Jordi Gol | Tarragona-Reus     | 2014<br>2014 |
| Severe Mental Diseases Group. TMS                                               | Fernández San Martín,<br>Maria Isabel | AGAUR<br>IDIAP Jordi Gol | Barcelona          | 2014<br>2012 |

*In 2014 there were 32 certified groups*

## 5. Training

### 5.1 IDIAP has done the following courses

| COURSE TITLE                                                                                                                   | Nº EDI-<br>TIONS | STU-<br>DENTS | HOURS | COMPU-<br>LATORY<br>ATTEN-<br>DANCE | ON<br>LINE | USR<br>(RESEARCH<br>SUPPORT UNIT) |
|--------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|-------|-------------------------------------|------------|-----------------------------------|
| Qualitative Research (Intermediate level)                                                                                      | 1                | 20            | 12    | YES                                 |            | Barcelona                         |
| Scientific Communication and Poster Presentation                                                                               | 2                | 40            | 8     | YES                                 |            | Barcelona                         |
| Writing Scientific Articles                                                                                                    | 1                | 20            | 8     | YES                                 |            | Barcelona                         |
| Statistics Level 1                                                                                                             | 1                | 20            | 8     | YES                                 |            | Barcelona                         |
| Design of Research Projects                                                                                                    | 2                | 40            | 30    | YES                                 |            | Barcelona                         |
| Advanced Use of Medline and Bibliometrics                                                                                      | 1                | 20            | 4     | YES                                 |            | Barcelona                         |
| Critical Analysis of Articles                                                                                                  | 1                | 18            | 8     | YES                                 |            | Barcelona                         |
| Questionnaires                                                                                                                 | 1                | 20            | 4     | YES                                 |            | Barcelona                         |
| Statistics R                                                                                                                   | 1                | 10            | 4     | YES                                 |            | Barcelona                         |
| Scientific Communication and Poster Presentation (Dentists)                                                                    | 1                | 10            | 5     | YES                                 |            | Barcelona                         |
| Design of Research Projects (EQUIP)                                                                                            | 1                | 10            | 20    | YES                                 |            | Barcelona                         |
| Statistics with SPSS: practical course                                                                                         | 1                | 17            | 14    | YES                                 |            | Terres de l'Ebre                  |
| Research Methods I                                                                                                             | 1                | 27            | 40    | YES                                 | YES        | Terres de l'Ebre                  |
| Introduction to R                                                                                                              | 1                | 12            | 12    | YES                                 |            | Terres de l'Ebre                  |
| Speaking in Public: Presentation Techniques                                                                                    | 2                | 44            | 40    | YES                                 |            | Terres de l'Ebre                  |
| Advanced Course of Writing Research Projects                                                                                   | 1                | 6             | 30    | YES                                 | YES        | Terres de l'Ebre                  |
| Scientific Communication                                                                                                       | 2                | 26            | 24    | YES                                 | YES        | Catalunya Central                 |
| Introduction to Research                                                                                                       | 1                | 24            | 35    | YES                                 | YES        | Catalunya Central                 |
| Introduction to Qualitative Research                                                                                           | 1                | 24            | 12    | YES                                 | YES        | Catalunya Central                 |
| Bibliographic Search                                                                                                           | 2                | 28            | 20    | YES                                 | YES        | Girona                            |
| How to Write a Research Protocol                                                                                               | 1                | 15            | 10    | YES                                 | YES        | Girona                            |
| How to Write a Research Protocol                                                                                               | 1                | 20            | 15    | YES                                 | YES        | Girona                            |
| R-commander Course                                                                                                             | 1                | 10            | 10    | YES                                 | YES        | Girona                            |
| Basic Introduction to Research for Dentists                                                                                    | 1                | 20            | 10    | YES                                 |            | Girona                            |
| How to Produce a Scientific Communication                                                                                      | 1                |               | 10    | YES                                 | YES        | Girona                            |
| How to Make a Scientific Poster                                                                                                | 2                | 30            | 10    | YES                                 | YES        | Girona                            |
| Register of Data for Research in Primary Care                                                                                  | 1                | 15            | 10    | YES                                 | YES        | Girona                            |
| Introduction to Research in Primary Care                                                                                       | 1                | 18            | 18    | YES                                 |            | Tarragona-Reus                    |
| Evidence-based Practical Skills                                                                                                | 1                | 34            | 10    | YES                                 |            | Tarragona-Reus                    |
| Critical Reading of Articles                                                                                                   | 1                | 39            | 6     | YES                                 |            | Tarragona-Reus                    |
| Introduction to Research in Primary Care                                                                                       | 1                | 25            | 25    | YES                                 |            | RSU Metropolitana Nord            |
| Practical Course for the Design of Research Projects                                                                           | 1                | 30            | 10    | YES                                 |            | RSU Metropolitana Nord            |
| How to Write a Scientific Article                                                                                              | 2                | 30            | 80    | YES                                 |            | RSU Metropolitana Nord            |
| Practical Tools for Research                                                                                                   | 1                | 20            | 25    | YES                                 |            | RSU Metropolitana Nord            |
| ARTPER Workshop                                                                                                                | 1                | 40            | 6     | YES                                 |            | RSU Metropolitana Nord            |
| Course in Gastroenterology and Hepatology for Specialist Physicians of the HUGTiP and for GPs of the Barcelonès Nord i Maresme | 1                | 98            | 9     | YES                                 |            | RSU Metropolitana Nord            |
| Scientific Methodology                                                                                                         | 2                | 45            | 18    | YES                                 |            | RSU Metropolitana Sud             |
| Introduction to Writing Research Protocols                                                                                     | 4                | 50            | 4     | YES                                 |            | RSU Metropolitana Sud             |
| Introduction to Family and Community Medicine. Research in Primary Care                                                        | 1                | 45            | 1     | YES                                 |            | RSU Metropolitana Sud             |
| Advanced Missing Data Workshop                                                                                                 | 1                | 13            | 14    | YES                                 |            | IDIAP                             |
| AGICAP                                                                                                                         | 2                | 40            | 20    | YES                                 |            | IDIAP                             |
| Bibliographical Search                                                                                                         | 1                | 20            | 16    | YES                                 | YES        | IDIAP                             |
| Effectiveness of Pharmacological Drugs                                                                                         | 1                | 11            | 4     | YES                                 |            | IDIAP                             |
| Introduction to Research                                                                                                       | 1                | 22            | 28    | YES                                 |            | IDIAP                             |
| Introduction to Qualitative Research                                                                                           | 1                | 27            | 12    | YES                                 |            | IDIAP                             |

## 6. Communications

In 2014 have been issued 21 releases and more than 200 impacts in media.



## 7. Financial Statements

### Balance Sheet

|                                              |                       |
|----------------------------------------------|-----------------------|
| <b>A) Fixed assets</b>                       | <b>535.006,91 €</b>   |
| <b>I. Intangible assets</b>                  | <b>216.119,60 €</b>   |
| 1. Software                                  | 10.955,45 €           |
| 2. Usage Rights                              | 205.164,15 €          |
| <b>II. Tangible assets</b>                   | <b>217.199,68 €</b>   |
| 1. Machinery and Facilities                  | 145.531,76 €          |
| 2. Furniture and hardware                    | 70.118,48 €           |
| 3. Other tangible assets                     | 1.549,44 €            |
| <b>B) Current assets</b>                     | <b>7.163.826,62 €</b> |
| <b>I. Inventory</b>                          | <b>24.440,32 €</b>    |
| <b>II. Accounts Receivable</b>               | <b>2.707.935,12 €</b> |
| 1. Other Debtors                             | 2.707.935,12 €        |
| 2. Personnel                                 | - €                   |
| 3. Tax & Government debt                     | - €                   |
| <b>IV. Short term financial investments</b>  | <b>4.210.287,14 €</b> |
| 1. Securities                                | 4.169.000,00 €        |
| <b>VI. Cash and equivalent liquid assets</b> | <b>218.817,91 €</b>   |
| 1. Cash                                      | 218.817,91 €          |
| <b>TOTAL (A+B)</b>                           | <b>7.698.833,53 €</b> |

### Equity and Liabilities

|                                                           |                       |
|-----------------------------------------------------------|-----------------------|
| <b>A) Equity</b>                                          | <b>1.919.162,45 €</b> |
| <b>A-1). Equity</b>                                       | <b>1.584.347,90 €</b> |
| <b>I. Founders equity</b>                                 | <b>30.050,61 €</b>    |
| 1. Founders equity                                        | 30.050,61 €           |
| <b>III. Retained Earnings</b>                             | <b>1.483.293,41 €</b> |
| 1. Retained Earnings                                      | 1.483.293,41 €        |
| <b>V. Net Income (loss) for the year</b>                  | <b>71.003,88 €</b>    |
| <b>A-2). Grants, donations and other deferred revenue</b> | <b>334.814,55 €</b>   |
| 1. Capital Grants                                         | 334.814,55 €          |
| <b>B) Non current liabilities</b>                         | <b>5.179.200,32 €</b> |
| <b>C) Current liabilities</b>                             | <b>*600.470,76 €</b>  |
| <b>II. Short terms debts</b>                              | <b>98,75 €</b>        |
| <b>IV. Accounts Payable</b>                               | <b>600.372,01 €</b>   |
| 1. Other Creditors                                        | 339.446,13 €          |
| 2. Personnel (accrued compensation)                       | 50.938,91 €           |
| 3. Tax and other Curren liabilities to Government         | 209.986,97 €          |
| <b>TOTAL (A+B+C)</b>                                      | <b>7.698.833,53 €</b> |

## Income Statement

|                                                  |                        |
|--------------------------------------------------|------------------------|
| <b>1) Operating Revenue</b>                      | <b>3.741.376,15 €</b>  |
| a) Sales of goods and services                   | 914.179,74 €           |
| b) Other periodical revenue                      | 720.112,00 €           |
| c) Grants received                               | 2.026.798,02 €         |
| d) Other Grants and donations                    | 130.887,98 €           |
| e) Grants and donations reimbursed               | -50.601,59 €           |
| <b>2) Grants Awarded And Othwer Expenses</b>     | <b>-6.985,72 €</b>     |
| a) Grants Awarded                                | -6.985,72 €            |
| <b>3) Purchases</b>                              | <b>-36.790,52 €</b>    |
| a) Consumption of goods and inventory write down | -26.790,52 €           |
| b) Subcontracting                                | -10.000,00 €           |
| <b>4) Personnel Expenses</b>                     | <b>-1.883.535,73 €</b> |
| <b>5) Other Operating Expenses</b>               | <b>-1.768.804,16 €</b> |
| a) Services                                      | -1.818.341,30 €        |
| a1) Rentals                                      | -1.530,53 €            |
| a2) Maintenance                                  | -37.638,63 €           |
| a3) Professional Fees                            | -1.060.953,82 €        |
| a4) Insurance premiums                           | -4.471,19 €            |
| a5) Bank fees                                    | -1.019,70 €            |
| a6) Supplies                                     | - €                    |
| a7) Other services                               | -712.727,43 €          |
| b) Tributs                                       | -3.716,50 €            |
| c) Other operating accruals                      | 53.253,64 €            |
| <b>6) Depreciation</b>                           | <b>-199.020,60 €</b>   |
| <b>8) Long term Grants and Donations accrued</b> | <b>127.277,71 €</b>    |
| <b>9) Other results</b>                          | <b>0.01 €</b>          |
| <b>I. Operating income</b>                       | <b>-26.482,86 €</b>    |
| <b>10) Financial evenue</b>                      | <b>104.360,05 €</b>    |
| <b>11) Financial expense</b>                     | <b>-9.706,72 €</b>     |
| <b>12) Exchange rate differences</b>             | <b>- €</b>             |
| <b>II. Financial income</b>                      | <b>97.486,74 €</b>     |
| <b>III. Income before taxes</b>                  | <b>71.003,88 €</b>     |
| <b>IV. Net income</b>                            | <b>71.003,88 €</b>     |

## 8. Research Areas

### Research Area: Cardiovascular

#### **Research Group:** ARTPER (Peripheral artery disease)

The study group ARTPER was created at the end of 2005 and made up of researchers from the 28 primary health care teams from North Barcelona, Maresme and also Barcelona City. In this group there are various professionals in the field of cardiovascular disease research from IDIAP Jordi Gol, the CARDIOCAT group from the Instituto de Salud Carlos III (ISCIII)-accredited redIAPP network, work groups from the Catalan Society for Family and Community Medicine and the cardiovascular diseases research group of the Research Support Group of North Metropolitan Barcelona. It has collaborated and will continue to collaborate with the area of neuroscience research of the Germans Trias i Pujol University Hospital in Badalona.

The group's objectives center on the prevention and early diagnosis of arteriosclerotic disease. Initially the group concentrated on the utility of the measurement of the Wrist/Arm Index as a diagnostic and prognostic test of peripheral vascular disease. For the development of preventive strategies high-risk groups must be identified and action must be taken while the disease is asymptomatic. Identification of the disease in its asymptomatic phase in order to act before vascular events occur is the principal objective of research in this field.

*Lines: Peripheral Arteriopathy: prevention and early diagnosis*

#### **Group Leader**

Alzamora Sas, M<sup>a</sup> Teresa



#### **Researchers**

Baena Díez, José Miguel  
Forés Raurell, Rosa  
Heras Tébar, Antoni  
Pera Blanco, Guillem  
Reina Rodríguez, M<sup>a</sup> Dolores  
Sancho Perpiñan, Amparo  
Sorribes Capdevila, Marta

#### **Research Projects**

**IP:** Medrano Jiménez, Rafael. *Termometría plantar y pie de riesgo en Atención Primaria. Estudio Termopiedi.* Funding: Fundació d'Atenció Primària (CAMFiC). Duration: 2014 - 2016

**IP:** Caballería Rovira, Llorenç. *Esteatosis hepàtica no alcohòlica com a factor de risc de malaltia cardiovascular i renal.* Funding: IDIAP Jordi Gol. Duration: 2014 - 2016

**IP:** Bonet Monné, Sara. *Consumo de analgésicos y AINEs y Enfermedad Renal Crónica.* Funding: IDIAP Jordi Gol. Duration: 2014 - 2016

**IP:** Franch Nadal, Josep. *Estudio longitudinal del control multifactorial de la diabetes tipo 2 e intensidad del tratamiento en Atención Primaria.* Funding: AstraZeneca Farmacéutica Spain, S.A. Duration: 2014 - 2016

**IP:** Mata Cases, José Manuel. *Estudio de morbilidad y mortalidad cardiovascular en pacientes con diabetes tipo 2 en Catalunya.* Funding: ICS - Institut Català de la Salut. Duration: 2014 - 2015

- IP:** Franch Nadal, Josep. *Estudio descriptivo del control multifactorial de la diabetes tipo 2 e intensidad del tratamiento en Atención Primaria en mayores de 65 años*. Funding: Novartis Farmacéutica, S.A. Duration: 2013 - 2015
- IP:** Franch Nadal, Josep. *Estudio de morbilidad y mortalidad cardiovascular en pacientes con diabetes tipo 2 en Catalunya*. Funding: Merck Sharp & Dohme de España, S.A. Duration: 2013 - 2015
- IP:** Franch Nadal, Josep. *Estudio sobre el uso de antidiabéticos orales en la Atención Primaria de Catalunya: análisis de las contraindicaciones formales*. Funding: Boehringer Ingelheim España, S.A. Duration: 2013 - 2015
- IP:** Rodríguez Gonzalez, Luis. *Detecció precoç de malalties cròniques del fetge en població adulta aparentment sana*. Funding: Fundació Acadèmia de les Ciències Mèdiques. Duration: 2013 - 2015
- IP:** Alzamora Sas, M<sup>a</sup> Teresa. *Incidencia de arteriopatía periférica y relación con factores de riesgo cardiovascular y morbimortalidad cardiovascular a los 5 años de seguimiento de la cohorte poblacional ARTPER*. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015
- IP:** Montesinos Sanz, Susanna. *Efectividad de una intervención breve en mayores de 64 años con consumo de riesgo de alcohol en atención primaria. Ensayo clínico aleatorizado comunitario*. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015
- IP:** Torán Monserrat, Pere. *RETINAL, Sistema de análisis y procesamiento de imagen de Retinografía, como herramienta de apoyo a la detección de infarto cerebral silencioso*. Funding: ULMA Innovación, S.L. Duration: 2012 - 2015
- IP:** Grau Magaña, Maria. *Asociación entre la incidencia de enfermedad cardiovascular y las enfermedades crónicas inflamatorias*. Funding: Fundació IMIM. Duration: 2013 - 2014
- IP:** Franch Nadal, Josep. *Evaluación del control metabólico en personas con diabetes tipo 2 en tratamiento con insulina que a pesar de tener buenos niveles en la glucemia basal no alcanzan los objetivos de control de la HbA1c*. Funding: Sanofi Aventis, S.A. Duration: 2013 - 2014
- IP:** Montero Alía, Pilar. *Es pot millorar l'equilibri de les persones grans amb la consola Wii?* Funding: Fundacion MAPFRE. Duration: 2012 - 2014
- IP:** Serrat Sese, Aureli. *Intervenció comunitària en depressió als adolescents de 3er. i 4rt. d'ESO de Santa Coloma de Gramanet*. Funding: Col·legi Oficial d'Infermeria de Barcelona. Duration: 2012 - 2014
- IP:** Alventosa Zaidin, Marina. *Bloqueig de branca i morbimortalitat cardiovascular*. Funding: Fundació d'Atenció Primària (CAMFiC). Duration: 2012 - 2014
- IP:** Urrea Vegas, Magali. *Utilitat dels diagnòstics d'infermeria per determinar el grau d'adherència terapèutica en els pacients crònics d'atenció primària*. Funding: Col·legi Oficial d'Infermeria de Barcelona. Duration: 2011 - 2014
- IP:** Guiriguat Capdevila, Carolina. *Efectividad de una alerta electrónica en la historia clínica informatizada para aumentar la participación desde Atención Primaria en un Programa de Cribado de Cáncer Colorrectal*. Funding: Instituto de Salud Carlos III. Duration: 2011 - 2014

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- Arteaga I, Buezo I, Expósito C, Pera G, Rodríguez L, Alumà A, Auladell MA, Torán P, Caballería L. Non-invasive markers of fibrosis in the diagnosis of non-alcoholic fatty liver disease. *Gastroenterología y hepatología*. 2014 Nov; 37(9):503-10. doi:10.1016/j.gastrohep.2014.03.009. pii:S0210-5705(14)00086-7. PMID:24746708. **FI: 0,832**
- Baena-Díez JM, Grau M, Forés R, Fernández-Bergés D, Elosua R, Sorribes M, Félix-Redondo FJ, Segura A, Rigo F, Cabrera de León A, Sanz H, Marrugat J, Sala J. Prevalence of atrial fibrillation and its associated factors in Spain: An analysis of 6 population-based studies. DARIOS Study. *Revista clínica española*. 2014 Dec; 214(9):505-512. doi:10.1016/j.rce.2014.06.006. pii:S0014-2565(14)00262-8. PMID:25087090. **FI: 1,314**
- Caballería L, Pera G, Bernad J, Canut S, Navarro E, Bruguera M. Strategies for the detection of hepatitis C viral infection in the general population. *Revista clínica española*. 2014 Jun-Jul; 214(5):242-6. doi:10.1016/j.rce.2014.01.024. pii:S0014-2565(14)00059-9. PMID:24598246.
- Catalán A, Borrell F, Pons A, Amado E, Baena JM, Morales V. Patient safety in primary care: PREFASEG project. *Medicina clínica*. 2014 Jul; 143 Suppl 1:32-5. doi:10.1016/j.medcli.2014.07.008. pii:S0025-7753(14)00553-3. PMID:25128357. **FI: 1,252**



- Dacosta-Aguayo R, Graña M, Fernández-Andújar M, López-Cancio E, Cáceres C, Bargalló N, Barrios M, Clemente I, Monserrat PT, Sas MA, Dávalos A, Auer T, Mataró M. Structural integrity of the contralesional hemisphere predicts cognitive impairment in ischemic stroke at three months. *PloS one*. 2014 ; 9(1):e86119. doi:10.1371/journal.pone.0086119. pii:PONE-D-13-38475. pmc:PMC3901679. PMID:24475078. **FI: 3,534**
- Fernández-Andújar M, Doornink F, Dacosta-Aguayo R, Soriano-Raya JJ, Miralbell J, Bargalló N, López-Cancio E, Pérez de la Ossa N, Gomis M, Millán M, Barrios M, Cáceres C, Pera G, Forés R, Clemente I, Dávalos A, Mataró M. Remote thalamic microstructural abnormalities related to cognitive function in ischemic stroke patients. *Neuropsychology*. 2014 Nov; 28(6):984-96. doi:10.1037/neu0000087. pii:2014-21945-001. PMID:24885449. **FI: 3,425**
- Fernández-Andújar M, Soriano-Raya JJ, Miralbell J, López-Cancio E, Cáceres C, Bargalló N, Barrios M, Arenillas JF, Toran P, Alzamora M, Clemente I, Dávalos A, Mataró M. Thalamic diffusion differences related to cognitive function in white matter lesions. *Neurobiology of aging*. 2014 May; 35(5):1103-10. doi:10.1016/j.neurobiolaging.2013.10.087. pii:S0197-4580(13)00555-1. PMID:24238657. **FI: 4,853**
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- Guiriguat-Capdevila C, Muñoz-Ortiz L, Rivero-Franco I, Vela-Vallespín C, Vilarrubí-Estrella M, Torres-Salinas M, Grau-Cano J, Burón-Pust A, Hernández-Rodríguez C, Fuentes-Peláez A, Reina-Rodríguez D, De León-Gallo R, Mendez-Boo L, Torán-Monserrat P. Can an alert in primary care electronic medical records increase participation in a population-based screening programme for colorectal cancer? COLO-ALERT, a randomised clinical trial. *BMC cancer*. 2014 ; 14:232. doi:10.1186/1471-2407-14-232. pii:1471-2407-14-232. pmc:PMC3976172. PMID:24685117. **FI: 3,319**
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- López-Olóriz J, López-Cancio E, Arenillas JF, Hernández M, Dorado L, Dacosta-Aguayo R, Barrios M, Soriano-Raya JJ, Miralbell J, Bargalló N, Cáceres C, Torán P, Alzamora M, Dávalos A, Mataró M. Diffusion tensor imaging, intracranial vascular resistance and cognition in middle-aged asymptomatic subjects. *Cerebrovascular diseases (Basel, Switzerland)*. 2014 ; 38(1):24-30. doi:10.1159/000363620. pii:000363620. PMID:25196863. **FI: 3,698**
- Marrugat J, Subirana I, Ramos R, Vila J, Marín-Ibáñez A, Guembe MJ, Rigo F, Tormo Díaz MJ, Moreno-Iribas C, Cabré JJ, Segura A, Baena-Díez JM, de la Cámara AG, Lapetra J, Grau M, Quesada M, Medrano MJ, González Diego P, Frontera G, Gavrila D, Aicua EA, Basora J, García JM, García-Lareo M, Gutierrez JA, Mayoral E, Sala J, D'Agostino R, Elosua R. Derivation and validation of a set of 10-year cardiovascular risk predictive functions in Spain: the FRESCO Study. *Preventive medicine*. 2014 Apr; 61:66-74. doi:10.1016/j.ypmed.2013.12.031. pii:S0091-7435(14)00016-4. PMID:24412897. **FI: 2,932**
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- Soriano-Raya JJ, Miralbell J, López-Cancio E, Bargalló N, Arenillas JF, Barrios M, Cáceres C, Toran P, Alzamora M, Dávalos A, Mataró M. Tract-specific fractional anisotropy predicts cognitive outcome in a community sample of middle-aged participants with white matter lesions. *Journal of cerebral blood flow and metabolism: official journal of the International Society of Cerebral Blood Flow and Metabolism*. 2014 May; 34(5):861-9. doi:10.1038/jcbfm.2014.26. pii:jcbfm201426. pmc:PMC4013764. PMID:24549185. **FI: 5,339**

## Indicators

|                                                                                   |              |
|-----------------------------------------------------------------------------------|--------------|
| Researchers with PhD                                                              | 1            |
| Total number of projects in which group members have participated                 | 19           |
| Total number of projects in which the PI of the project has belonged to the group | 1            |
| Total Funding                                                                     | 760.758,46 € |
| Scientific publications in indexed journals                                       | 15           |
| Total Impact factor                                                               | 40,46        |
| Nº of articles in Q1 journals                                                     | 8            |
| Q1 IF                                                                             | 31,592       |
| Nº of articles in Q2 journals                                                     | 2            |
| Q2 IF                                                                             | 4,633        |

## Research Group: GRECAP (Cardiovascular Research Group)

Constituted by general practitioners and a specialist in preventive medicine. All members have research experience and have received training in the Hospital del Mar Medical Research Institute (IMIM) or the Vall d'Hebron Research Institute (VHIR). Also, they are all engaged in clinical practice and three members of the group are lecturers at the Medical Faculty of the Universitat Autònoma de Barcelona (UAB).

The CVRG focuses mainly on the study of heart failure, the secondary prevention of ischemic heart disease, high blood pressure and the psychosocial aspects of cardiovascular disease from a primary care perspective.

*Lines: Heart failure, epidemiology, effectiveness of management, diagnostic criteria and secondary prevention, Psychosocial factors associated with cardiovascular risk, Secondary prevention of ischemic heart disease and readmissions due to heart failure, Epidemiology and control of two cardiovascular risk factors: hypertension and diabetes.*

### Group Leader

Muñoz Pérez, Miguel Ángel



### Researchers

Del Val García, José Luis  
Domingo Teixidor, M<sup>a</sup> Mar  
Mundet Tudurí, Xavier  
Verdú Rotellar, José María  
Vinyoles Bargalló, Ernest

### Research Projects

**IP:** Muñoz Pérez, Miguel Angel. *Efecto de una intervención intensiva sobre el estilo de vida a base de una dieta mediterránea tradicional con restricción de energía, actividad física y tratamiento conductual sobre la prevención de enfermedad cardiovascular.* Funding: ICS - Institut Català de la Salut. Duration: 2014 - 2017

**IP:** Franch Nadal, Josep. *Estudio longitudinal del control multifactorial de la diabetes tipo 2 e intensidad del tratamiento en Atención Primaria.* Funding: AstraZeneca Farmacéutica Spain, S.A. Duration: 2014 - 2016

**IP:** Foguet Boreu, Quintí. *Identificación de los patrones de multimorbilidad y la polimedicación asociada, a una muestra poblacional de atención primaria.* Funding: Instituto de Salud Carlos III. Duration: 2013 - 2016

**IP:** Muñoz Pérez, Miguel Angel. *Eficacia de la prevención secundaria de la cardiopatía isquémica en atención primaria (Estudio ICAR: Intervención en la Comunidad de Alto Riesgo Coronario).* Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2016

**IP:** Benítez Camps, Mèncià. *Evaluación de la relación entre paracetamol efervescente y presión arterial. Ensayo clínico.* Funding: Ministerio de Sanidad y Política Social e Igualdad. Duration: 2011 - 2016

**IP:** Mundet Tudurí, Xavier. *Estudi ISSYS: malaltia vascular cerebral silent en la població hipertensa a Catalunya.* Funding: Fundació Doctor Robert. Duration: 2014 - 2015

**IP:** Mundet Tudurí, Xavier. *Prevalença de la retinopatia diabètica. Factors clínics i metabòlics associats.* Funding: ICS - Institut Català de la Salut. Duration: 2014 - 2015

**IP:** Mata Cases, José Manuel. *Estudio de morbilidad y mortalidad cardiovascular en pacientes con diabetes tipo 2 en Catalunya.* Funding: ICS - Institut Català de la Salut. Duration: 2014 - 2015

- IP:** Ostiz Zubieta, Fabián. *Avaluació de la eficàcia de la neuroestimulació del nervi tibial en el síndrome de l'intestí irritable. Estudi clínic, prospectiu i aleatoritzat.* Funding: ICS - Institut Català de la Salut. Duration: 2014 - 2015
- IP:** García Gil, Maribel. *Avaluació d'una intervenció del dolor d'esquena des de l'Atenció Primària: programa d'educació sanitària en l'àmbit escolar.* Funding: ICS - Institut Català de la Salut. Duration: 2014 - 2015
- IP:** Franch Nadal, Josep. *Estudio descriptivo del control multifactorial de la diabetes tipo 2 e intensidad del tratamiento en Atención Primaria en mayores de 65 años.* Funding: Novartis Farmacéutica, S.A. Duration: 2013 - 2015
- IP:** Mundet Tudurí, Xavier. *Prevalença de la retinopatia diabètica. Factors clínics i metabòlics associats.* Funding: IDIAP Jordi Gol. Duration: 2013 - 2015
- IP:** Franch Nadal, Josep. *Estudio de morbilidad y mortalidad cardiovascular en pacientes con diabetes tipo 2 en Catalunya.* Funding: Merck Sharp & Dohme de España, S.A. Duration: 2013 - 2015
- IP:** Franch Nadal, Josep. *Estudio sobre el uso de antidiabéticos orales en la Atención Primaria de Catalunya: análisis de las contraindicaciones formales.* Funding: Boehringer Ingelheim España, S.A. Duration: 2013 - 2015
- IP:** Cordoní Saborit, Sílvia. *Proyecto de telemonitorización en pacientes crónicos.* Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2015
- IP:** Díaz Gete, Laura. *Efectividad de una intervención con seguimiento por correo electrónico del abandono sostenido del tabaquismo (Estudio TABATIC). Ensayo clínico aleatorizado controlado multicéntrico.* Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015
- IP:** Vinyoles Bargalló, Ernest. *Efectividad de la Temporización de la administración de Aspirina en pacientes Hipertensos en tratamiento con bajas dosis de AAS como Prevención Secundaria. - TAHPS.* Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015
- IP:** Díaz Gete, Laura. *Efectividad de una intervención con seguimiento por correo electrónico del abandono sostenido del tabaquismo (Estudio TABATIC). Ensayo clínico aleatorizado controlado multicéntrico.* Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2014
- IP:** Fuentes Camps, Eva Maria. *Orientación Diagnóstica de la Trombosis Venosa Profunda en Atención Primaria de Salud. Estudio de Coste-Efectividad.* Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2014
- IP:** Guitart Gonzalez, Queral. *Malalt crònic complex: Centres d'Urgències d'Atenció Primària (CUAP), urgències hospitalàries i relació entre aquests dispositius.* Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2014
- IP:** Rosell Reig, Nuria. *Ensayo clínico aleatorizado para evaluar la efectividad de un entrenamiento de Mindfulness (conciencia plena) en personas con patología crónica.* Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2014
- IP:** Franch Nadal, Josep. *Evaluación del control metabólico en personas con diabetes tipo 2 en tratamiento con insulina que a pesar de tener buenos niveles en la glucemia basal no alcanzan los objetivos de control de la HbA1c.* Funding: Sanofi Aventis, S.A. Duration: 2013 - 2014
- IP:** Campo Osaba, Maria Antonia. *Actividad comunitaria de promoción de la salud: resultados de un ensayo clínico.* Funding: Laboratorios Dr. Esteve, S.A. Duration: 2013 - 2014
- IP:** Mundet Tudurí, Xavier. *Estudi ISSYS: malaltia vascular cerebral silent en la població hipertensa a Catalunya.* Funding: Hosp. Vall Hebron. Fund. Institut de Recerca. Duration: 2013 - 2014
- IP:** Mundet Tudurí, Xavier. *Estudi ISSYS: malaltia vascular cerebral silent en la població hipertensa a Catalunya.* Funding: IDIAP Jordi Gol. Duration: 2013 - 2014
- IP:** Muñoz Pérez, Miguel Angel. *Valor pronóstico del criterio utilizado para el diagnóstico de los pacientes con insuficiencia cardíaca.* Funding: IDIAP Jordi Gol. Duration: 2013 - 2014
- IP:** Lacasta Tintorer, David. *Impacto de la implementación de una herramienta de colaboración clínica en red entre profesionales de atención primaria y especializada en la reducción del número de derivaciones (ECOPIH).* Funding: Departament de Salut. Duration: 2012 - 2014
- IP:** Violan Fors, Concepció. *Multimorbilidad, Polimedicación y Consumo de recursos en una muestra poblacional de personas mayores de 65 años en atención primaria.* Funding: Fundació Agrupació Mútua. Duration: 2012 - 2014

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Corella D, Sorlí JV, González JI, Ortega C, Fitó M, Bulló M, Martínez-González MA, Ros E, Arós F, Lapetra J, Gómez-Gracia E, Serra-Majem L, Ruiz-Gutierrez V, Fiol M, Coltell O, Vinyoles E, Pintó X, Martí A, Saiz C, Ordovás JM, Estruch R. Novel association of the obesity risk-allele near Fas Apoptotic Inhibitory Molecule 2 (FAIM2) gene with heart rate and study of its effects on myocardial infarction in diabetic participants of the PREDIMED trial. *Cardiovascular diabetology*. 2014 ; 13:5. doi:10.1186/1475-2840-13-5. pii:1475-2840-13-5. pmc:PMC3922966. PMID:24393375. **FI: 3,706**

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- Vinyoles E. Psoriasis e incidencia de fibrilación auricular en el hipertenso (ensayo clínico LIFE). *Hipertensión y Riesgo Vascular*. 2014;31:32-33.

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## Indicators

|                                                                                   |              |
|-----------------------------------------------------------------------------------|--------------|
| Researchers with PhD                                                              | 4            |
| Total number of projects in which group members have participated                 | 28           |
| Total number of projects in which the PI of the project has belonged to the group | 9            |
| Total Funding                                                                     | 690.105,21 € |
| Scientific publications in indexed journals                                       | 21           |
| Total Impact factor                                                               | 99,15        |
| Nº of articles in Q1 journals                                                     | 12           |
| Q1 IF                                                                             | 80,031       |
| Nº of articles in Q2 journals                                                     | 5            |
| Q2 IF                                                                             | 12,034       |



## Research Group: ISV-Girona (Girona Vascular Health Research Group)

The members of the group work in different areas of the primary care health system, including management, teaching, patient care and research. The group's principal researcher is the co-ordinator of the vascular prevention group of the Health Department's Vascular Diseases Plan. The group's members participate in the ISCI-accredited redIAPP network through the CARDIOCAT group. In collaboration with researchers from the Mar Institute for Medical Research (IMIM) and the cardiologist service of the Josep Trueta Hospital, it forms part of the REGICOR group (Girona Heart Register). Its main objective is research related to cardiovascular diseases and their risk factors.

*Lines: Epidemiological study of cardiovascular disease and its risk factors. Development of a system of cardiovascular risk functions. Prevention and treatment of cardiovascular disease. Prevalence and incidence of silent myocardial infarction. Effectiveness of a feedback intervention on primary health care professionals to improve the degree of control of cardiovascular risk. Evaluation of the reliability of diagnostics and the accuracy of variables registered in electronic medical records.*

### Group Leader

Ramos Blanes, Rafel



### Researchers

Cerezo Goyeneche, Carlos  
Garcia Gil, M<sup>a</sup> del Mar  
Martí Lluch, Ruth  
Ponjoan Thans, Anna  
Quesada Sabaté, Miquel  
Solanas Saura, Pascual

### Research Projects

**IP:** Martí Lluch, Ruth. *Avances en el manejo del riesgo cardiovascular intermedio, fase de seguimiento*. Estudio MARK II (Improving interMediate Risk management). Funding: Instituto de Salud Carlos III. Duration: 2014 - 2017

**IP:** Ramos Blanes, Rafel. *Coste-efectividad y seguridad de la Aspirina en la prevención de enfermedad vascular, cáncer y mortalidad en España*. Estudio JOANA (Joint of data on Aspirin and heAlth outcomes). Funding: Instituto de Salud Carlos III. Duration: 2014 - 2017

**IP:** Gayoso Diz, Pilar. *Función renal (FR) y marcadores de inflamación en relación con mortalidad, eventos cardiovasculares y deterioro de FR. Estudio de cohortes en población general adulta: EPIRCE II*. Funding: Instituto de Salud Carlos III. Duration: 2014 - 2017

**IP:** Ramos Blanes, Rafel. *Advanced Approach to Arterial Stiffness (Triple A study)*. Duration: 2014 - 2017

**IP:** García García, Angel. *Análisis Avanzado de rigidez Arterial. Estudio Triple A Salamanca*. Funding: Junta de Castilla y León, JCyL. Duration: 2014 - 2017

**IP:** Ponjoan Thans, Anna. *El nivel y la variación del riesgo cardiovascular en la prevención primaria de la demencia*. Funding: ICS - Institut Català de la Salut. Duration: 2014 - 2016

**IP:** Ramos Blanes, Rafel. *Health Care utilization, costs and treatment patterns associated with cardiovascular events in patients with elevated cardiovascular risk or prior CV events in SIDIAP Database*. Funding: Amgen, S.A. Duration: 2014 - 2016

**IP:** Garcia Gil, M<sup>a</sup> del Mar. *Efectividad del Inicio del Tratamiento Antihipertensivo en la Prevención Primaria de Eventos Cardiovasculares. Proyecto EITEC*. Funding: Instituto de Salud Carlos III. Duration: 2013 - 2016



**IP:** Bolívar Ribas, Bonaventura. *Diseño de una intervención compleja multiriesgo en Atención Primaria para fomentar conductas promotoras de salud en la población de 45 a 75 años: ensayo clínico exploratorio multicéntrico*. Funding: Instituto de Salud Carlos III. Duration: 2013 - 2016

**IP:** Alves Cabratosa, Lia. *Factors de risc associats al desenvolupament de fibril·lació auricular i estudi de l'associació del tractament amb estatines, IECAs, ARA-II i antagonistes de l'aldosterona amb la incidència d'aquesta malaltia*. Funding: ICS - Institut Català de la Salut. Duration: 2014 - 2015

**IP:** García Gil, M<sup>a</sup> del Mar. *El Rol de las Estatinas en Prevención Primaria de Eventos Cardiovasculares en población con Enfermedad Renal Crónica (ERC). Proyecto ECERC*. Funding: Ministerio de Sanidad y Política Social e Igualdad. Duration: 2012 - 2015

**IP:** Ramos Blanes, Rafael. *Patrones del uso de Estatinas en el Tratamiento del Riesgo cardiovascular elevado y Efectividad Asociada*. Funding: AstraZeneca Farmacéutica Spain, S.A. Duration: 2012 - 2015

**IP:** Grau Magaña, Maria. *Asociación entre la incidencia de enfermedad cardiovascular y las enfermedades crónicas inflamatorias*. Funding: Fundació IMIM. Duration: 2013 - 2014

**IP:** Grau Magaña, Maria. *Efecto de los marcadores de inflamación y oxidación lipídica en la asociación entre la osteoporosis y la enfermedad cardiovascular: un estudio poblacional*. Funding: Fundació IMIM. Duration: 2013 - 2014

**IP:** Ramos Blanes, Rafael. *Avances en el manejo del riesgo intermedio. Estudio MARK (improving interMediate Risk management)*. Funding: Instituto de Salud Carlos III. Duration: 2011 - 2014

## Articles

Agüero F, Marrugat J, Elosua R, Sala J, Masiá R, Ramos R, Grau M. New myocardial infarction definition affects incidence, mortality, hospitalization rates and prognosis. *European journal of preventive cardiology*. 2014 Aug; doi:10.1177/2047487314546988. pii:2047487314546988. PMID:25139771. **FI: 2,675**

Álvarez-Bueno C, Cervero-Redondo I, Martínez-Andrés M, Arias-Palencia N, Ramos-Blanes R, Salcedo-Aguilar F. Effectiveness of multifactorial interventions in primary health care settings for primary prevention of cardiovascular disease: A systematic review of systematic reviews. *Preventive medicine*. 2014 Dec; doi:10.1016/j.ypmed.2014.11.028. pii:S0091-7435(14)00471-X. PMID:25511466. **FI: 2,932**

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Foraster M, Künzli N, Aguilera I, Rivera M, Agis D, Vila J, Bouso L, Deltell A, Marrugat J, Ramos R, Sunyer J, Elosua R, Basagaña X. High blood pressure and long-term exposure to indoor noise and air pollution from road traffic. *Environmental health perspectives*. 2014 Nov; 122(11):1193-200. doi:10.1289/ehp.1307156. pmc:PMC4216159. PMID:25003348. **FI: 7,029**

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Grau M, Subirana I, Vila J, Elosua R, Ramos R, Sala J, Dégano IR, Tresserras R, Bielsa O, Marrugat J. Validation of a population coronary disease predictive system: the CASSANDRA model. *Journal of epidemiology and community health*. 2014 Nov; 68(11):1012-9. doi:10.1136/jech-2013-203516. pii:jech-2013-203516. PMID:24619990. **FI: 3,294**

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Rivera M, Basagaña X, Aguilera I, Foraster M, Agis D, de Groot E, Perez L, Mendez MA, Bouso L, Targa J, Ramos R, Sala J, Marrugat J, Elosua R, Künzli N. The association between air pollution and subclinical atherosclerosis: Rivera et al. respond. *Environmental health perspectives*. 2014 Jan; 122(1):A8-9. doi:10.1289/ehp.1307403R. pmc:PMC3888579. PMID:24380888. **FI: 7,029**

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Zamora A, Carrión C, Cordon F, Galí B, Balló E, Quesada M, Grau A, Castro A, Torrent S, Vargas S, Vilert E, Subirats E, Coll G, Muñoz L, Cerezo C, Torán P. Skills in clinical communication: are we correctly assessing them at undergraduate level? *Journal of Technology and Science Education*. 2014;4(2):89-100.

## Indicators

|                                                                                   |              |
|-----------------------------------------------------------------------------------|--------------|
| Researchers with PhD                                                              | 4            |
| Total number of projects in which group members have participated                 | 15           |
| Total number of projects in which the PI of the project has belonged to the group | 9            |
| Total Funding                                                                     | 475.495,08 € |
| Scientific publications in indexed journals                                       | 15           |
| Total Impact factor                                                               | 84,41        |
| Nº of articles in Q1 journals                                                     | 12           |
| Q1 IF                                                                             | 79,069       |
| Nº of articles in Q2 journals                                                     | 1            |
| Q2 IF                                                                             | 2,675        |

## Research Group: MACAP (Group for the Study of Cardiovascular Diseases in Primary Care)

The study group developed from a group of professionals (family doctors, nurses, epidemiologists and cardiologists) from different primary health care centres in the south metropolitan (Barcelona) area, the Hospitals of Sant Boi and Bellvitge and researchers from the Metropolitan South Research Support Unit.

Their main objective is scientific research in the area of cardiac insufficiency, and in particular the study of diastolic dysfunction in patients with hypertension.

*Lines: Heart failure, Knowledge, attitudes and skills of patients and professionals towards the management of heart failure. Evaluation of health education interventions, Chronic kidney disease as a risk factor for cardiovascular disease, Cerebrovascular disease: intensive intervention in patients who have suffered a cerebrovascular accident to improve control of risk factors and the use of antiplatelet therapy.*

### Group Leader

Barrio Ruiz, Carmen



### Researchers

Alvarado Montesdeoca, Carles  
Moll Casamitjana, Daniel  
Parellada Esquiús, Neus  
Rodríguez Latre, Luisa M  
Salvadó Hernández, Cristina  
Salvador González, Betlem  
Sarret Vilà, Sonia  
Tamayo Ojeda, Carmen

### Research Projects

**IP:** Gayoso Diz, Pilar. *Función renal (FR) y marcadores de inflamación en relación con mortalidad, eventos cardiovasculares y deterioro de FR. Estudio de cohortes en población general adulta: EPIRCE II.* Funding: Instituto de Salud Carlos III. Duration: 2014 - 2017

**IP:** Bonet Monné, Sara. *Consumo de analgésicos y AINEs y Enfermedad Renal Crónica.* Funding: IDIAP Jordi Gol. Duration: 2014 - 2016

**IP:** Tamayo Ojeda, Carmen. *Adherència a les recomanacions de les guies de pràctica clínica en la prevenció secundària de la malaltia cerebrovascular: factors relacionats amb els pacients i amb els professionals.* Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2016

**IP:** Salvador Gonzalez, Betlem. *Riesgo cardiovascular asociado a la disminución del filtrado glomerular en mayores de 60 años en Atención Primaria.* Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015

**IP:** Garcia Cerdan, M<sup>a</sup> Rosa. *Actituds, coneixements i pràctiques en l'autocura en pacients amb insuficiència cardíaca atesos a l'atenció primària.* Funding: Col·legi Oficial d'Infermeria de Barcelona. Duration: 2012 - 2015

**IP:** Salvadó Hernandez, Cristina. *Adaptación de la familia ante el diagnóstico de diabetes mellitus tipo 1 de uno de sus miembros en edad infantil.* Funding: Col·legi Oficial d'Infermeria de Barcelona. Duration: 2012 - 2015

**IP:** Rodriguez Cristobal, Juan Jose. *Impacto de una intervención en los estilos de vida en los factores de riesgo cardiovascular y la ateromatosis subclínica en pacientes con hiperfibrinemia en la atención primaria de salud (Estudio IMENCAR).* Funding: ICS - Institut Català de la Salut. Duration: 2012 - 2015

**IP:** Salvador Gonzalez, Betlem. *Enfermedad renal crónica moderada en hipertensos en Atención Primaria: riesgo cardiovascular y evolución en función de filtrado glomerular, control tensión arterial y tratamiento farmacológico.* Funding: IDIAP Jordi Gol. Duration: 2013 - 2014

## Articles

Correa J, Lopez-Negre JL, Barrio C, Parés D. How can we improve the care of patients with benign anorectal diseases?. *Atencion primaria / Sociedad Española de Medicina de Familia y Comunitaria*. 2014 Dec; 46(10):582-3. doi:10.1016/j.aprim.2014.03.011. pii:S0212-6567(14)00148-6. PMID:25124364. **FI: 0,894**

Lozano-Vidal R, López-Pisa RM, Boyero-Granados A, Recio-Ramos S, Padín-Minaya C, Garzón-Quñones M, Rodríguez-Latre LM. Stratification of clinical risk groups in a population over 65 years: features and nursing assessment. *Enfermería clínica*. 2014 Sep-Oct; 24(5):290-5. doi:10.1016/j.enfcli.2014.06.001. pii:S1130-8621(14)00084-9. PMID:25059515.

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Viniegra Domínguez MA, Parellada Esquiús N, Miranda de Moraes Ribeiro R, Parellada Pérez LM, Planas Olives C, Momblan Trejo C. An integral approach to insomnia in primary care: Non-pharmacological and phytotherapy measures compared to standard treatment. *Atencion primaria / Sociedad Española de Medicina de Familia y Comunitaria*. 2014 Oct; doi:10.1016/j.aprim.2014.07.009. pii:S0212-6567(14)00289-3. PMID:25443769. **FI: 0,894**

## Indicators

|                                                                                   |             |
|-----------------------------------------------------------------------------------|-------------|
| Researchers with PhD                                                              | 1           |
| Total number of projects in which group members have participated                 | 8           |
| Total number of projects in which the PI of the project has belonged to the group | 4           |
| Total Funding                                                                     | 56.851,08 € |
| Scientific publications in indexed journals                                       | 2           |
| Total Impact factor                                                               | 1,79        |
| Nº of articles in Q1 journals                                                     | 0           |
| Q1 IF                                                                             |             |
| Nº of articles in Q2 journals                                                     | 0           |
| Q2 IF                                                                             |             |

## Research Group: MACAP RENAL (Group for the study of Cardiovascular Diseases in Primary Care)

The main focus of this group is firstly to investigate mild-moderate Chronic Kidney Disease (CKD) as a cardiovascular risk factor in our setting, a Mediterranean region with a low incidence of cardiovascular disease; in addition, we study mild-moderate CKD (prevalence, incidence and evolution) in primary care.

The principal objective of the group is to evaluate cardiovascular risk (incidence of cardiovascular events) associated with a decrease of the estimated glomerular filtration rate (eGFR) in primary care patients over 60 years of age. In addition, the group has started a new line of research to evaluate the association between the incidence of cardiovascular events and blood pressure control in hypertensive patients and eGFR, as well as the evolution of mild-moderate CKD in relation to blood pressure control.

*Lines: Mild-moderate Chronic Kidney Disease (CKD) as a cardiovascular risk factor in a Mediterranean setting with a low incidence of cardiovascular disease; To study the prevalence, incidence and evolution of the initial phases of CKD in primary care patients.*

### Group Leader

Salvador González, Betlem

### Researchers

Alonso Bes, Eva  
Álvarez Funes, Virtudes  
Ceraín Herrero, M<sup>a</sup> Jesús  
Cunillera Puértolas, Oriol  
Ferré González, Antonia  
Freixes Villaró, Esther  
Gil Terrón, Neus  
Güell Miro, Roser  
Mestre Ferrer, Jordi  
Pascual Benito, M<sup>a</sup> Luisa  
Rodríguez Latre, Luisa M  
Rodríguez Pascual, Mercedes  
Ruipérez Guijarro, Laura  
Soler Vila, Maria  
Tovillas Morán, Francisco Javier

### Research Projects

**IP:** Gayoso Diz, Pilar. *Función renal (FR) y marcadores de inflamación en relación con mortalidad, eventos cardiovasculares y deterioro de FR. Estudio de cohortes en población general adulta: EPIRCE II.* Funding: Instituto de Salud Carlos III. Duration: 2014 - 2017

**IP:** Bonet Monné, Sara. *Consumo de analgésicos y AINEs y Enfermedad Renal Crónica.* Funding: IDIAP Jordi Gol. Duration: 2014 - 2016

**IP:** Tamayo Ojeda, Carmen. *Adherència a les recomanacions de les guies de pràctica clínica en la prevenció secundària de la malaltia cerebrovascular: factors relacionats amb els pacients i amb els professionals.* Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2016

**IP:** Díaz Gete, Laura. *Efectividad de una intervención con seguimiento por correo electrónico del abandono sostenido del tabaquismo (Estudio TABATIC). Ensayo clínico aleatorizado controlado multicéntrico.* Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015

- IP:** Salvador Gonzalez, Betlem. *Riesgo cardiovascular asociado a la disminución del filtrado glomerular en mayores de 60 años en Atención Primaria*. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015
- IP:** Garcia Cerdan, M<sup>a</sup> Rosa. *Actituds, coneixements i pràctiques en l'autocura en pacients amb insuficiència cardíaca atesos a l'atenció primària*. Funding: Col·legi Oficial d'Infermeria de Barcelona. Duration: 2012 - 2015
- IP:** Rodriguez Cristobal, Juan Jose. *Impacto de una intervención en los estilos de vida en los factores de riesgo cardiovascular y la ateromatosis subclínica en pacientes con hiperfibrinogenemia en la atención primaria de salud (Estudio IMENCAR)*. Funding: ICS - Institut Català de la Salut. Duration: 2012 - 2015
- IP:** Díaz Gete, Laura. *Efectividad de una intervención con seguimiento por correo electrónico del abandono sostenido del tabaquismo (Estudio TABATIC). Ensayo clínico aleatorizado controlado multicéntrico*. Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2014
- IP:** Salvador Gonzalez, Betlem. *Enfermedad renal crónica moderada en hipertensos en Atención Primaria: riesgo cardiovascular y evolución en función de filtrado glomerular, control tensión arterial y tratamiento farmacológico*. Funding: IDIAP Jordi Gol. Duration: 2013 - 2014
- IP:** Marzo Castillejo, Maria Merce. *The effect of consumption of kiwi fruit on constipation in adults*. Duration: 2013 - 2014

## Articles

- Fernandez P, Llopis MA, Perich C, Alsina MJ, Alvarez V, Biosca C, Busquets G, Domenech MV, Gómez R, Llovet I, Minchinela J, Pastor R, Ruiz R, Tarrés E, Ibarz M, Simón M, Montesinos M. Harmonization in hemolysis detection and prevention. A working group of the Catalan Health Institute (ICS) experience. *Clinical chemistry and laboratory medicine: CCLM / FESCC*. 2014 Nov; 52(11):1557-68. doi:10.1515/cclm-2013-0935. pii:/j/cclm.ahead-of-print/cclm-2013-0935/cclm-2013-0935.xml. PMID:24897397. **FI: 2,955**
- Formiga F, Ferrer A, Padros G, Contra A, Corbella X, Pujol R. Thyroid status and functional and cognitive status at baseline and survival after 3 years of follow-up: the OCTABAIX study. *European journal of endocrinology / European Federation of Endocrine Societies*. 2014 Jan; 170(1):69-75. doi:10.1530/EJE-13-0722. pii:EJE-13-0722. PMID:24144964. **FI: 3,686**
- Lozano-Vidal R, López-Pisa RM, Boyero-Granados A, Recio-Ramos S, Padín-Minaya C, Garzón-Quinones M, Rodríguez-Latre LM. Stratification of clinical risk groups in a population over 65 years: features and nursing assessment. *Enfermería clínica*. 2014 Sep-Oct; 24(5):290-5. doi:10.1016/j.enfcli.2014.06.001. pii:S1130-8621(14)00084-9. PMID:25059515.
- Martín-Borrás C, Giné-Garriga M, Martínez E, Martín-Cantera C, Puigdoménech E, Solà M, Castillo E, Beltrán AM, Puig-Ribera A, Trujillo JM, Pueyo O, Pueyo J, Rodríguez B, Serra-Paya N. Effectiveness of a primary care-based intervention to reduce sitting time in overweight and obese patients (SEDESTATIV): a randomized controlled trial; rationale and study design. *BMC public health*. 2014 ;14:228. doi:10.1186/1471-2458-14-228. pii:1471-2458-14-228. pmc:PMC3973868. PMID:24597534. **FI: 2,321**
- Minchinela J, Ricós C, Perich C, Fernández-Calle P, Alvarez V, Domenech MV, Simón M, Biosca C, Boned B, Cava F, García-Lario JC, Fernández-Fernández P. Base de datos de los componentes de Variación Biológica, con las especificaciones de la calidad analítica (deseable, mínima y óptima). Actualización del año 2014. <http://seqc.es/es/Comisiones/18/9/102>. 2014;18:9-102.
- Perich C, Ricós C, Alvarez V, Biosca C, Boned B, Cava F, Domenech MV, Fernández Calle P, Fernández Fernández P, García JV, Minchinela J, Simon M, Jansen R. External quality assurance programs as a tool for verifying standardization of measurement procedures: Pilot collaboration in Europe. *Clinica chimica acta; international journal of clinical chemistry*. 2014;432:82-89. PMID:24291706. **FI: 2,764**
- Ramon F, Alsina MJ, Alvarez V, Boned B, Biosca C, Bullich S, Cortés M, Domenech MV, Fernández P, Fernández P, García JV, Martinez C, Minchinela J, Perich C, Ricós C, Salas A, Simon M, Ventura E, Ventura M. VIII Programa de Garantía Externa de la Calidad de Bioquímica (componentes monoclonales) de la Sociedad Española de Bioquímica Clínica y Patología Molecular (2013). <http://www.contcal.org/qcweb/Documents/90%20Avaluacio%20anual/60%20Programes%202013/130.%20Programa%20Monoclonals.pdf>. 2014;1:247-266.
- Ramon F, Alsina MJ, Alvarez V, Boned B, Biosca C, Bullich S, Cortés M, Domenech MV, Fernández P, Fernández P, García JV, Martinez C, Minchinela J, Perich C, Ricós C, Salas A, Simon M, Ventura E, Ventura M. XIII Programa de Garantía Externa de la Calidad de Bioquímica (marcadores cardíacos) de la Sociedad Española de Bioquímica Clínica y Patología Molecular (2013). <http://www.contcal.org/qcweb/Documents/90%20Avaluacio%20anual/60%20Programes%202013/110.%20Programa%20Card%C3%ADacos.pdf>. 2014;1:225-237.

- Ramón F, Alsina MJ, Alvarez V, Boned B, Biosca C, Bullich S, Cortés M, Domenech MV, Fernández P, Fernández P, García JV, Martínez C, Minchinela J, Perich C, Ricós C, Salas A, Simon M, Ventura E, Ventura M. XXII Programa de Garantía Externa de la Calidad de Bioquímica (hormonas/inmunoanálisis) de la Sociedad Española de Bioquímica Clínica y Patología Molecular (2013). <http://www.contcal.org/qcweb/Documents/90%20Avaluacio%20anual/60%20Programes%202013/60.%20Programa%20Hormonas.pdf>. 2014;1(1):106-143.
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- Ramon F, Alsina MJ, Alvarez V, Boned B, Biosca C, Bullich S, Cortés M, Domenech MV, Fernández P, Fernández P, Garcia JV, Martinez C, Minchinela J, Perich C, Ricós C, Salas A, Simon M, Ventura E, Ventura M. XIII Programa de Garantía Externa de la Calidad de Bioquímica (marcadores tumorales) de la Sociedad Española de Bioquímica Clínica y Patología Molecular (2013). <http://www.contcal.org/qcweb/Documents/90%20Avaluacio%20anual/60%20Programes%202013/100.%20Programa%20Tumorals.pdf>. 2014;1:204-224.
- Ramón F, Alsina MJ, Alvarez V, Boned B, Biosca C, Bullich S, Cortés M, Domenech MV, Fernández P, Fernández P, García JV, Martínez C, Minchinela J, Perich C, Ricós C, Salas A, Simon M, Ventura E, Ventura M. XXIII Programa de Garantía Externa de la Calidad de Bioquímica (orina) de la Sociedad Española de Bioquímica Clínica y Patología Molecular (2013). <http://www.contcal.org/qcweb/Documents/90%20Avaluacio%20anual/60%20Programes%202013/50.%20Programa%20Orina.pdf>. 2014;1(1):76-104.
- Ramón F, Alsina MJ, Alvarez V, Boned B, Biosca C, Bullich S, Domenech MV, Fernández P, Fernández P, Garcia JV, Martinez C, Minchinela J, Perich C, Ricós C, Salas A, Simon M, Ventura E, Ventura M. XX Programa de Garantía Externa de la Calidad de Bioquímica (proteínas) de la Sociedad Española de Bioquímica Clínica y Patología Molecular (2013). <http://www.contcal.org/qcweb/Documents/90%20Avaluacio%20anual/60%20Programes%202013/70.%20Programa%20Prote%C3%ADnas.pdf>. 2014;1:144-180.
- Ramón F, Alsina MJ, Alvarez V, Boned B, Biosca C, Bullich S, Cortés M, Domenech MV, Fernández P, Fernández P, García JV, Martínez C, Minchinela J, Perich C, Ricós C, Salas A, Simon M, Ventura E, Ventura M. VI Programa de Garantía Externa de la Calidad de Bioquímica (drogas de abuso en orina) de la Sociedad Española de Bioquímica Clínica y Patología Molecular (2013). <http://www.contcal.org/qcweb/Documents/90%20Avaluacio%20anual/60%20Programes%202013/120.%20Programa%20Drogues.pdf>. 2014;1:238-246.
- Ramon F, Alsina MJ, Alvarez V, Boned B, Biosca C, Bullich S, Cortés M, Domenech MV, Fernández P, Fernández P, Garcia JV, Martinez C, Minchinela J, Perich C, Ricós C, Salas A, Simon M, Ventura E, Ventura M. XVII Programa de Garantía Externa de la Calidad de Bioquímica (Hemoglobina A1c) de la Sociedad Española de Bioquímica Clínica y Patología Molecular (2013). <http://www.contcal.org/qcweb/Documents/90%20Avaluacio%20anual/60%20Programes%202013/90.%20Programa%20hemoglobina.pdf>. 2014;1:199-203.
- Ramon F, Alsina MJ, Alvarez V, Boned B, Biosca C, Bullich S, Cortés M, Domenech MV, Fernández P, Fernández P, Garcia JV, Martinez C, Minchinela J, Perich C, Ricós C, Salas A, Simon M, Ventura E, Ventura M. XIX Programa de Garantía Externa de la Calidad de Bioquímica (gases en sangre-POCT) de la Sociedad Española de Bioquímica Clínica y Patología Molecular (2013). <http://www.contcal.org/qcweb/Documents/90%20Avaluacio%20anual/60%20Programes%202013/80.%20Programa%20Gases.pdf>. 2014;1:181-198.
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## Indicators

|                                                                                   |              |
|-----------------------------------------------------------------------------------|--------------|
| Researchers with PhD                                                              | 2            |
| Total number of projects in which group members have participated                 | 10           |
| Total number of projects in which the PI of the project has belonged to the group | 2            |
| Total Funding                                                                     | 189.192,19 € |
| Scientific publications in indexed journals                                       | 4            |
| Total Impact factor                                                               | 11,73        |
| Nº of articles in Q1 journals                                                     | 2            |
| Q1 IF                                                                             | 5,719        |
| Nº of articles in Q2 journals                                                     | 2            |
| Q2 IF                                                                             | 6,007        |



## Research Group: PRECARTE (Cardiovascular Prevention in Terres de l'Ebre)

This is a multidisciplinary research team constituted by primary care professionals of the Terres de l'Ebre health region, professionals from the hospital Verge de la Cinta of Tortosa, members of the Catalan Institute of Pharmacology Foundation and of the Research Support Unit Terres de l'Ebre.

The main objectives of the CarPreTe are the primary and secondary prevention of cardiovascular diseases through the detection, treatment and control of modifiable cardiovascular risk factors: smoking, dyslipidemia (particularly hypercholesterolemia), high blood pressure, diabetes, overweight and obesity.

**Lines:** *Primary prevention of stroke and impact of early detection of atrial fibrillation (AF) in stroke prevention, Type 2 diabetes and the role of the Mediterranean diet in preventing the decline of renal function, LDL-C control in ischemic heart disease through the implementation of a clinical guideline.*

### Group Leader

Dalmau Llorca, Maria Rosa



### Researchers

Aguilar Martín, Carina  
Bofill Montoro, Domingo  
Boira Costa, Miriam  
Calduch Noll, Cristina  
Clua Espuny, Josep Lluís  
Diogène Fadini, Eduard  
Forcadell Drago, Emma  
Gentile Lorente, Delicia Inés  
Lechuga Durán, Iñigo  
López Pablo, Carlos  
Lucas Noll, Jorgina  
Marín Serral, Judit  
Panisello Tafalla, Anna  
Pepió Vilaubí, Josep M  
Ripollés Vicente, Maria Rosa  
Rocha Ramírez, Lizeth Mayid  
Rodríguez Cumplido, Dolores  
Rue Monne, Montserrat

### Research Projects

**IP:** Foguet Boreu, Quintí. *Identificación de los patrones de multimorbilidad y la polimedicación asociada, a una muestra poblacional de atención primaria.* Funding: Instituto de Salud Carlos III. Duration: 2013 - 2016

**IP:** Violan Fors, Concepció. *Dronedarone utilization study in Catalonia, Spain, using SIDIAP database.* Funding: Sanofi Aventis, S.A. Duration: 2013 - 2016

**IP:** Benítez Camps, Mènia. *Evaluación de la relación entre paracetamol efervescente y presión arterial. Ensayo clínico.* Funding: Ministerio de Sanidad y Política Social e Igualdad. Duration: 2011 - 2016

**IP:** Satue Vallve, Beatriz. *La despesa en farmàcia a l'Atenció Primària: existeix relació amb els resultats de qualitat valorats a l'Institut Català de la Salut?.* Funding: IDIAP Jordi Gol. Duration: 2014 - 2015

## Articles

Clua J, Bosch R, Roso A, López\_Pablo C, Gimenez E, González-Rojas N, Lucas J, Panisello A, Lechuga I, Gallofré I. Diagnosed, undiagnosed and overall atrial fibrillation research on population over 60 year-old. AFABE study. Cardiovascular System. 2014;2:2.

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Giménez-García E, Clua-Espuny JL, Bosch-Príncipe R, López-Pablo C, Lechuga-Durán I, Gallofré-López M, Panisello-Tafalla A, Lucas-Noll J, Queralt-Tomas ML. The management of atrial fibrillation and characteristics of its current care in outpatients. AFABE observational study. Atención primaria / Sociedad Española de Medicina de Familia y Comunitaria. 2014 Feb; 46(2):58-67. doi:10.1016/j.aprim.2013.06.003. pii:S0212-6567(13)00191-1. PMID:24042075. **FI: 0,894**

López C, Callau C, Bosch R, Korzynska A, Jaén J, García-Rojo M, Bueno G, Salvadó MT, Álvaro T, Oños M, Fernández-Carrobles Mdel M, Llobera M, Baucells J, Orero G, Lejeune M. Development of automated quantification methodologies of immunohistochemical markers to determine patterns of immune response in breast cancer: a retrospective cohort study. BMJ open. 2014; 4(8):e005643. doi:10.1136/bmjopen-2014-005643. pii:bmjopen-2014-005643. pmc:PMC4127922. PMID:25091015. **FI: 2,063**

Montesó-Curto P, Aguilar-Martín C. Depression according to age and gender: an analysis in a community. Atención primaria / Sociedad Española de Medicina de Familia y Comunitaria. 2014 Mar; 46(3):167-8. doi:10.1016/j.aprim.2013.07.009. pii:S0212-6567(13)00219-9. PMID:24126212. **FI: 0,894**

Roso-Llorach A, Forné C, Macia F, Galceran J, Marcos-Gragera R, Rue M. Assessing the impact of early detection biases on breast cancer survival of Catalan women. SORT (Statistics and Operations Research Transactions). 2014;38:139-160. **FI: 0,962**

## Indicators

|                                                                                   |              |
|-----------------------------------------------------------------------------------|--------------|
| Researchers with PhD                                                              | 5            |
| Total number of projects in which group members have participated                 | 4            |
| Total number of projects in which the PI of the project has belonged to the group |              |
| Total Funding                                                                     | 269.700,00 € |
| Scientific publications in indexed journals                                       | 6            |
| Total Impact factor                                                               | 8,16         |
| Nº of articles in Q1 journals                                                     | 0            |
| Q1 IF                                                                             |              |
| Nº of articles in Q2 journals                                                     | 2            |
| Q2 IF                                                                             | 5,405        |

## Research Area: Endocrine

### Research Group: DAP\_CAT (Epidemiologic Research Group in Diabetes from Primary Health Care DAP\_CAT)

The group is made up of family doctors from the Catalan Health Institute (ICS) with wide experience in the world of diabetes. All of them collaborate with other research groups or scientific societies such as the Spanish Diabetes Society, CAMFiC-SEMFyC, SEMERGEN, or CIBER-DM, and notably in coordination with the group GEDAPS Catalunya and the RedGEDAPS Espanya. It has also collaborated in drawing up the National Health System's diabetes strategy and the Diabetes mellitus type 2 Clinical Practice Guide for the Instituto de Salud Carlos III and the Ministry of Health. The Catalan Advisory Council on Diabetes systematically uses the group's data to prepare its recommendations.

The group's main objective is the study of Diabetes mellitus type 2 in primary health care through epidemiological studies based on the exhaustive analysis of the data obtained from e-CAP (electronic clinical records), which will provide demographic and epidemiological information as well as better knowledge of metabolic control, the coexistence of other risk factors, the presence of complications, treatment compliance and therapeutic inertia.

*Lines: Metabolic control of type 2 diabetes Chronic complications of type 2 diabetes Diseases associated with type 2 diabetes Mortality in diabetes patients.*

### Group Leader

Franch Nadal, Josep



### Researchers

Baena Díez, José Miguel  
Barrot de la Puente, Joan Francesc  
Coll de Tuero, Gabriel  
Cos Claramunt, Francesc Xavier  
Mata Cases, José Manuel  
Mauricio Puente, Dídac  
Molló Iniesta, M. Àngels  
Mundet Tudurí, Xavier  
Rodríguez Poncelas, Antonio

### Research Projects

**IP:** Molló Iniesta, M.Àngels. *Estudio INTEGRA: estrategia de INTERvención intEgral en pacientes con mal control Glucémico de la diabetes mellitus tipo 2 en el Ámbito de Atención PRIMARIA.* Funding: Sanofi Aventis, S.A. Duration: 2014 - 2017

**IP:** Bonet Monné, Sara. *Consumo de analgésicos y AINEs y Enfermedad Renal Crónica.* Funding: IDIAP Jordi Gol. Duration: 2014 - 2016

**IP:** Franch Nadal, Josep. *Estudio longitudinal del control multifactorial de la diabetes tipo 2 e intensidad del tratamiento en Atención Primaria.* Funding: AstraZeneca Farmacéutica Spain, S.A. Duration: 2014 - 2016

**IP:** Costa Pinel, Bernardo. *Early Prevention of Diabetes Complications in people with Hyperglycaemia in Europe.* Funding: IDIAP Jordi Gol. Duration: 2013 - 2016

**IP:** Boix de la Casa, Carme. *Ensayo clínico aleatorizado controlado sobre la efectividad del programa de paciente experto en atención primaria en el control de la diabetes mellitus tipo 2.* Funding: Col·legi Oficial d'Infermeria de Barcelona. Duration: 2013 - 2016

**IP:** Muñoz Pérez, Miguel Angel. *Eficacia de la prevención secundaria de la cardiopatía isquémica en atención primaria (Estudio ICAR: Intervención en la Comunidad de Alto Riesgo Coronario)*. Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2016

**IP:** Benítez Camps, Mènci. *Evaluación de la relación entre paracetamol efervescente y presión arterial. Ensayo clínico*. Funding: Ministerio de Sanidad y Política Social e Igualdad. Duration: 2011 - 2016

**IP:** Costa Pinel, Bernardo. *Early Prevention of Diabetes Complications in people with Hyperglycaemia in Europe*. Funding: European Commission. Duration: 2011 - 2016

**IP:** Mundet Tudurí, Xavier. *Estudi ISSYS: malaltia vascular cerebral silent en la població hipertensa a Catalunya*. Funding: Fundació Doctor Robert. Duration: 2014 - 2015

**IP:** Mundet Tudurí, Xavier. *Prevalença de la retinopatia diabètica. Factors clínics i metabòlics associats*. Funding: ICS - Institut Català de la Salut. Duration: 2014 - 2015

**IP:** Mata Cases, José Manuel. *Estudio de morbilidad y mortalidad cardiovascular en pacientes con diabetes tipo 2 en Catalunya*. Funding: ICS - Institut Català de la Salut. Duration: 2014 - 2015

**IP:** Franch Nadal, Josep. *Estudio descriptivo del control multifactorial de la diabetes tipo 2 e intensidad del tratamiento en Atención Primaria en mayores de 65 años*. Funding: Novartis Farmacéutica, S.A. Duration: 2013 - 2015

**IP:** Mundet Tudurí, Xavier. *Prevalença de la retinopatia diabètica. Factors clínics i metabòlics associats*. Funding: IDIAP Jordi Gol. Duration: 2013 - 2015

**IP:** Franch Nadal, Josep. *Estudio de morbilidad y mortalidad cardiovascular en pacientes con diabetes tipo 2 en Catalunya*. Funding: Merck Sharp & Dohme de España, S.A. Duration: 2013 - 2015

**IP:** Franch Nadal, Josep. *Estudio sobre el uso de antidiabéticos orales en la Atención Primaria de Catalunya: análisis de las contraindicaciones formales*. Funding: Boehringer Ingelheim España, S.A. Duration: 2013 - 2015

**IP:** Alzamora Sas, M<sup>a</sup> Teresa. *Incidencia de arteriopatía periférica y relación con factores de riesgo cardiovascular y morbimortalidad cardiovascular a los 5 años de seguimiento de la cohorte poblacional ARTPER*. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015

**IP:** Garcia Gil, M<sup>a</sup> del Mar. *El Rol de las Estatinas en Prevención Primaria de Eventos Cardiovasculares en población con Enfermedad Renal Crónica (ERC). Proyecto ECERC*. Funding: Ministerio de Sanidad y Política Social e Igualdad. Duration: 2012 - 2015

**IP:** Marsal Mora, Josep Ramon. *Presencia de diabetes mellitus tipo 2 desconocida, prediabetes e indicadores de arteriosclerosis subclínica en relación al patrón de ingesta alimentaria en población general*. Funding: ICS - Institut Català de la Salut. Duration: 2012 - 2015

**IP:** Grau Magaña, Maria. *Asociación entre la incidencia de enfermedad cardiovascular y las enfermedades crónicas inflamatorias*. Funding: Fundació IMIM. Duration: 2013 - 2014

**IP:** Franch Nadal, Josep. *Evaluación del control metabólico en personas con diabetes tipo 2 en tratamiento con insulina que a pesar de tener buenos niveles en la glucemia basal no alcanzan los objetivos de control de la HbA1c*. Funding: Sanofi Aventis, S.A. Duration: 2013 - 2014

**IP:** Molló Iniesta, M. Angels. *Variabilitat entre professionals en el maneig de pacients diagnosticats de diabetis*. Funding: IDIAP Jordi Gol. Duration: 2013 - 2014

**IP:** Mundet Tudurí, Xavier. *Estudi ISSYS: malaltia vascular cerebral silent en la població hipertensa a Catalunya*. Funding: Hosp. Vall Hebron. Fund. Institut de Recerca. Duration: 2013 - 2014

**IP:** Mundet Tudurí, Xavier. *Estudi ISSYS: malaltia vascular cerebral silent en la població hipertensa a Catalunya*. Funding: IDIAP Jordi Gol. Duration: 2013 - 2014

**IP:** Muñoz Pérez, Miguel Angel. *Valor pronóstico del criterio utilizado para el diagnóstico de los pacientes con insuficiencia cardíaca*. Funding: IDIAP Jordi Gol. Duration: 2013 - 2014

**IP:** Lacasta Tintorer, David. *Impacto de la implementación de una herramienta de colaboración clínica en red entre profesionales de atención primaria y especializada en la reducción del número de derivaciones (ECOPIH)*. Funding: Departament de Salut. Duration: 2012 - 2014

**IP:** Franch Nadal, Josep. *Estudio de costes de la atención al paciente diabético tipo 2 y factores relacionados (eCostesDM)*. Funding: Sanofi Aventis, S.A. Duration: 2012 - 2014

**IP:** Galindo Ortego, Gisela. *Incidència del risc de fractura osteoporòtica i relació amb l'exposició a bifosfonats. Estudi observacional amb base de dades clíniques poblacionals: OSTEOPAC*. Funding: ICS - Institut Català de la Salut. Duration: 2012 - 2014

**IP:** Juanós Lanuza, Meritxell. *Estudi d'adherència a la dieta mediterrània de la població infantil d'una àrea de salut rural*. Funding: ICS - Institut Català de la Salut. Duration: 2012 - 2014

**IP:** Guiriquet Capdevila, Carolina. *Efectividad de una alerta electrónica en la historia clínica informatizada para aumentar la participación desde Atención Primaria en un Programa de Cribado de Cáncer Colorrectal*. Funding: Instituto de Salud Carlos III. Duration: 2011 - 2014

## Articles

Baena-Díez JM, Grau M, Forés R, Fernández-Bergés D, Elosua R, Sorribes M, Félix-Redondo FJ, Segura A, Rigo F, Cabrera de León A, Sanz H, Marrugat J, Sala J. Prevalence of atrial fibrillation and its associated factors in Spain: An analysis of 6 population-based studies. DARIOS Study. *Revista clinica espanola*. 2014 Dec; 214(9):505-512. doi:10.1016/j.rce.2014.06.006. pii:S0014-2565(14)00262-8. PMID:25087090. **FI: 1,314**

Bodicoat DH, Mundet X, Gray LJ, Cos X, Davies MJ, Khunti K, Cano JF. Identifying effective pathways in a successful continuous quality improvement programme: the GEDAPS study. *Journal of evaluation in clinical practice*. 2014 Dec; 20(6):1137-43. doi:10.1111/jep.12253. PMID:25266778. **FI: 1,580**

Catalán A, Borrell F, Pons A, Amado E, Baena JM, Morales V. Patient safety in primary care: PREFASEG project. *Medicina clínica*. 2014 Jul; 143 Suppl 1:32-5. doi:10.1016/j.medcli.2014.07.008. pii:S0025-7753(14)00553-3. PMID:25128357. **FI: 1,252**

Coll-de-Tuero G, González-Vázquez S, Rodríguez-Poncelas A, Barceló MA, Barrot-de-la Puente J, Penedo MG, Pose-Reino A, Pena-Seijo M, Saez M. Retinal arteriole-to-venule ratio changes and target organ disease evolution in newly diagnosed hypertensive patients at 1-year follow-up. *Journal of the American Society of Hypertension: JASH*. 2014 Feb; 8(2):83-93. doi:10.1016/j.jash.2013.10.002. pii:S1933-1711(13)00172-1. PMID:24239162.

Delgado P, Riba-Llena I, Tovar JL, Jarca CI, Mundet X, López-Rueda A, Orfila F, Llussà J, Manresa JM, Alvarez-Sabín J, Nafria C, Fernández JL, Maisterra O, Montaner J. Prevalence and associated factors of silent brain infarcts in a Mediterranean cohort of hypertensives. *Hypertension*. 2014 Sep; 64(3):658-63. doi:10.1161/HYPERTENSIONA-HA.114.03563. pii:HYPERTENSIONA.114.03563. PMID:24958500. **FI: 7,632**

Ferriol C, Tremols S, Jimenez C, Tura A, Sanmartín M, Pagès N, Rodríguez-Poncelas A, Paz-Bermejo M, Saez M, Coll-de-Tuero G. Are there height-dependent differences in subclinical vascular disease in hypertensive patients?. *Journal of clinical hypertension (Greenwich, Conn.)*. 2014 Jan; 16(1):70-6. doi:10.1111/jch.12222. PMID:24188542.

Forés R, Alzamora MT, Pera G, Torán P, Urrea M, Heras A. Concordance between 3 methods of measurement the ankle-brachial index to diagnose peripheral artery disease. *Medicina clínica*. 2014 Oct; 143(8):335-40. doi:10.1016/j.medcli.2013.10.029. pii:S0025-7753(14)00081-5. PMID:24703416. **FI: 1,252**

Franch J, Mauricio D, Ferrer JC, Gírbés J, Gómez R, Gorgojo JJ, Marco A, Mata JM. Avanzando hacia el control glucémico en diabetes mellitus tipo 2. *Diabetes Práctica*. 2014;5(Suplement 3):1-12.

Franch Nadal J, Mauricio Puente D, Ferrer García JC, Gírbés Borrás J, Gómez Huelgas R, Gorgojo Martínez JJ, Marco Martínez A, Mata Cases M. Avanzando hacia el control glucémico en diabetes mellitus tipo 2. *Diabetes Práctica*. 2014;5:1-12.

Franch Nadal J. Individualized treatment of diabetic patients in special clinical situations. *Semergen / Sociedad Española de Medicina Rural y Generalista*. 2014 Jul; 40 Suppl 2:41-8. doi:10.1016/S1138-3593(14)74389-8. pii:S1138-3593(14)74389-8. PMID:25311719.

Franch-Nadal J, Mata-Cases M, Vinagre I, Patitucci F, Hermosilla E, Casellas A, Bolibar B, Mauricio D. Differences in the Cardiometabolic Control in Type 2 Diabetes according to Gender and the Presence of Cardiovascular Disease: Results from the eControl Study. *International journal of endocrinology*. 2014; 2014:131709. doi:10.1155/2014/131709. PMC4189942. PMID:25328520. **FI: 1,515**

Giraldez C, García FJ, Serrano R, Carrillo L, Sangros FJ, Franch J et al. Evolución de pacientes con prediabetes en Atención Primaria de Salud (PREDAPS): resultados del primer año de seguimiento. *Diabetes Práctica*. 2014; 5 (1): 3-17.

Gutiérrez-Repiso C, Soriguer F, Rojo-Martínez G, García-Fuentes E, Valdés S, Goday A, Calle-Pascual A, López-Alba A, Castell C, Menéndez E, Bordiú E, Delgado E, Ortega E, Pascual-Manich G, Urrutia I, Mora-Peces I, Vendrell J, Vázquez JA, Franch J, Gírbés J, Castaño L, Serrano-Ríos M, Martínez-Larrad MT, Catalá M, Carmena R, Gomis R, Casamitjana R, Gaztambide S. Variable patterns of obesity and cardiometabolic phenotypes and their association with lifestyle factors in the Di@bet.es study. *Nutrition, metabolism, and cardiovascular diseases: NMCD*. 2014 Sep; 24(9):947-55. doi:10.1016/j.numecd.2014.04.019. pii:S0939-4753(14)00192-6. PMID:24984822. **FI: 3,875**

Khunti K, Cos X, Rutten G. Insulin degludec—the impact of a new basal insulin on care in type 2 diabetes. Primary care diabetes. 2014 Jul; 8(2):119-25. doi:10.1016/j.pcd.2013.09.003. pii:S1751-9918(13)00114-9. PMID:24207030.

Márquez-Contreras E, Gil-Guillén VF, De La Figuera-Von Wichmann M, Franch-Nadal J, Llisterri-Caro JL, Martell-Claros N, Martín-De Pablos JL, Casado-Martínez JJ, Bertomeu-González V, Pertusa Martínez S, Carratalá-Munuera C, Orozco-Beltrán D, López-Pineda A. Non-compliance and inertia in hypertensive Spaniards at high cardiovascular risk: CUMPLE study. Current medical research and opinion. 2014 Jan; 30(1):11-7. doi:10.1185/03007995.2013.84923. PMID:24111509. **FI: 2,372**

Marrugat J, Subirana I, Ramos R, Vila J, Marín-Ibañez A, Guembe MJ, Rigo F, Tormo Díaz MJ, Moreno-Iribas C, Cabré JJ, Segura A, Baena-Díez JM, de la Cámara AG, Lapetra J, Grau M, Quesada M, Medrano MJ, González Diego P, Frontera G, Gavrila D, Aicua EA, Basora J, García JM, García-Lareo M, Gutierrez JA, Mayoral E, Sala J, D'Agostino R, Elosua R. Derivation and validation of a set of 10-year cardiovascular risk predictive functions in Spain: the FRESCO Study. Preventive medicine. 2014 Apr; 61:66-74. doi:10.1016/j.ypmed.2013.12.031. pii:S0091-7435(14)00016-4. PMID:24412897. **FI: 2,932**

Martín Lesende I, López-Torres Hidalgo JD, Gorroñogoitia Iturbe A, de-Hoyos Alonso MC, Baena Díez JM, Herreros Herreros Y. [In Process Citation]. Atención primaria / Sociedad Española de Medicina de Familia y Comunitaria. 2014 Jun; 46 Suppl 4:75-81. doi:10.1016/S0212-6567(14)70052-6. pii:S0212-6567(14)70052-6. PMID:24950632. **FI: 0,894**

Mata J, Artola S. Consensus on the detection and management of prediabetes .Consensus and Clinical Guidelines Working Group of the Spanish Diabetes Society. Rev Clin Esp. 2014 PMID:25553948. **FI: 1,314**

Mata JM, Mauricio D, Vinagre I, Morros R, Hermosilla E. Treatment of Hyperglycaemia in Type 2 Diabetic Patients in a Primary Care Population Database in a Mediterranean Area (Catalonia, Spain). International Journal of Diabetes & Metabolism. 2014;5:338.

Ponjoan A, García-Gil MM, Martí R, Comas-Cufí M, Alves-i-Cabratosa L, Sala J, Marrugat J, Elosua R, de Tuero GC, Grau M, Ramos R. Derivation and validation of BOREAS, a risk score identifying candidates to develop cold-induced hypertension. Environmental research. 2014 Jul; 132:190-6. doi:10.1016/j.envres.2014.03.039. pii:S0013-9351(14)00086-3. PMID:24792416. **FI: 3,951**

Rodríguez-Poncelas A, Coll-De Tuero G, Turrò-Garriga O, Barrot-de la Puente J, Franch-Nadal J, Mundet-Tuduri X. Impact of chronic kidney disease on the prevalence of cardiovascular disease in patients with type 2 diabetes in Spain: PERCEDIME2 study. BMC nephrology. 2014 ; 15:150. doi:10.1186/1471-2369-15-150. pii:1471-2369-15-150. pmc:PMC4181296. PMID:25227555.

Sánchez L, Barreira N, Penedo MG, Coll De Tuero G. Computer aided diagnosis system for retinal analysis: automatic assessment of the vascular tortuosity. Studies in health technology and informatics. 2014 ; 207:55-64. PMID:25488211.

Schröder H, Ramos R, Baena-Díez JM, Mendez MA, Canal DJ, Fito M, Sala J, Elosua R. Determinants of the transition from a cardiometabolic normal to abnormal overweight/obese phenotype in a Spanish population. European journal of nutrition. 2014 Sep; 53(6):1345-53. doi:10.1007/s00394-013-0635-2. PMID:24322835. **FI: 3,840**

Valdés S, Maldonado-Araque C, García-Torres F, Goday A, Bosch-Comas A, Bordiú E, Calle-Pascual A, Carmena R, Casamitjana R, Castaño L, Castell C, Catalá M, Delgado E, Franch J, Gaztambide S, Girbés J, Gomis R, Gutiérrez G, López-Alba A, Martínez-Larrad M, Menéndez E, Mora-Peces I, Ortega E, Pascual-Manich G, Serrano-Rios M, Urrutia I, Vázquez JA, Vendrell J, Soriguer F, Rojo-Martínez G. Ambient temperature and prevalence of obesity in the Spanish population: The Di@bet.es study. Obesity (Silver Spring, Md.). 2014 Nov; 22(11):2328-32. doi:10.1002/oby.20866. PMID:25124468. **FI: 4,389**

Zamora A, Carrión C, Cordon F, Galí B, Balló E, Quesada M, Grau A, Castro A, Torrent S, Vargas S, Vilert E, Subirats E, Coll G, Muñoz L, Cerezo C, Torán P. Skills in clinical communication: are we correctly assessing them at undergraduate level? Journal of Technology and Science Education. 2014;4(2):89-100.

## Indicators

|                                                                                   |                |
|-----------------------------------------------------------------------------------|----------------|
| Researchers with PhD                                                              | 4              |
| Total number of projects in which group members have participated                 | 29             |
| Total number of projects in which the PI of the project has belonged to the group | 14             |
| Total Funding                                                                     | 1.075.858,74 € |
| Scientific publications in indexed journals                                       | 16             |
| Total Impact factor                                                               | 38,11          |
| Nº of articles in Q1 journals                                                     | 7              |
| Q1 IF                                                                             | 28,991         |
| Nº of articles in Q2 journals                                                     | 5              |
| Q2 IF                                                                             | 4,208          |



## Research Group: Diabetes (Reus-Tarragona)

The group is made up of professionals and researchers dedicated to the study of diabetes-related topics. The line of diabetes research of Reus-Tarragona was originated by the primary health care services of Reus-Altebrat and later supported and promoted by the primary health care services of the larger Tarragona-Reus area. It collaborates with European diabetes study networks and the group's principal researcher is the coordinator of endocrine research in IDIAP Jordi Gol. The group forms part of the ISCIII-accredited redIAPP network. The group's objective is to promote research into the prevention, diagnosis, treatment, identification, therapeutic intervention and prognosis of diabetes in primary health care. As primary health care is the entrance to the health system, it must be the basis of diagnosis and care of the diabetic patient, and by extension, of the pre-diabetic, given its prevalence among the population.

*Lines: Prevention of diabetes and study of pre-diabetes. Therapeutic education applied to diabetes Clinical study of metabolic syndrome and its associations and complications. Clinical study of risk factors and complications associated with type 2 diabetes. Economic analysis of cost-effectiveness in the prevention of type 2 diabetes. Early prevention of complications of type 2 diabetes. Predictive value of the continuous monitoring of glucose for the incidence of type 2 diabetes. Indicators and predictors of the incidence of diabetes in individuals eating a Mediterranean diet.*

### Group Leader

Costa Pinel, Bernardo



### Researchers

Barrio Torrell, Francisco  
Basora Gallisà, Josep  
Cabrè Vila, Juan José  
Fuentes Bellido, Cruz Maria  
Sagarra Àlamo, Ramon  
Vizcaino Marín, Jesús

### Research Projects

**IP:** Sorlí Aguilar, Mar. ESTUDIO DIET: Ensayo clínico multicéntrico y aleatorizado para valorar la relación entre la función pulmonar y la adherencia a una dieta de tipo mediterránea. Funding: ICS - Institut Català de la Salut. Duration: 2014 - 2017

**IP:** Costa Pinel, Bernardo. Early Prevention of Diabetes Complications in people with Hyperglycaemia in Europe. Funding: IDIAP Jordi Gol. Duration: 2013 - 2016

**IP:** Costa Pinel, Bernardo. Early Prevention of Diabetes Complications in people with Hyperglycaemia in Europe. Funding: European Commission. Duration: 2011 - 2016

**IP:** Aragonès Benaiges, Enric. Avaluació del risc cardiovascular associat als diferents fenotips clínics de la síndrome metabòlica i dels risc addicional associat a la presència de depressió/ansietat. Funding: IDIAP Jordi Gol. Duration: 2014 - 2015

**IP:** Martín Lujan, Francisco. Ensayo clínico aleatorizado y multicéntrico para evaluar la eficacia de una intervención motivacional contra el tabaquismo basada en la información obtenida en una espirometría realizada en Atención Primaria. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015

**IP:** Marzo Castillejo, Maria Merce. The effect of consumption of kiwi fruit on constipation in adults. Duration: 2013 - 2014



## Articles

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Tresserra-Rimbau A, Rimm EB, Medina-Remón A, Martínez-González MA, de la Torre R, Corella D, Salas-Salvadó J, Gómez-Gracia E, Lapetra J, Arós F, Fiol M, Ros E, Serra-Majem L, Pintó X, Saez GT, Basora J, Sorlí JV, Martínez JA, Vinyoles E, Ruiz-Gutiérrez V, Estruch R, Lamuela-Raventós RM. Inverse association between habitual polyphenol intake and incidence of cardiovascular events in the PREDIMED study. *Nutrition, metabolism, and cardiovascular diseases: NMCD*. 2014 Jun; 24(6):639-47. doi:10.1016/j.numecd.2013.12.014. pii:S0939-4753(14)00008-8. PMID:24552647. **FI: 3,875**

Vicens C, Bejarano F, Sempere E, Mateu C, Fiol F, Socías I, Aragonès E, Palop V, Beltran JL, Piñol JL, Lera G, Folch S, Mengual M, Basora J, Esteve M, Llobera J, Roca M, Gili M, Leiva A. Comparative efficacy of two interventions to discontinue long-term benzodiazepine use: cluster randomised controlled trial in primary care. *The British journal of psychiatry: the journal of mental science*. 2014 Jun; 204(6):471-9. doi:10.1192/bjp.bp.113.134650. pii:bjp.bp.113.134650. PMID:24526745. **FI: 7,343**

## Prizes

Best published paper. *Revista Clínica Española*. Coste-efectividad de la intervención sobre el estilo de vida para prevenir la diabetes tipo 2. Sagarra R, Costa B, Cabré JJ, Solà-Morales O, Barrio F, Grupo de Investigación DE-PLAN-CAT / PREDICE

## Indicators

|                                                     |              |
|-----------------------------------------------------|--------------|
| Investigadors amb doctorat                          | 4            |
| Nº Projectes total (IP o col·laborador)             | 6            |
| Nº Projectes IP (IP pertany grup)                   | 3            |
| Finançament obtingut (tots: IP o no, convocat o no) | 205.521,55 € |
| Publicacions científiques en revistes indexades     | 13           |
| Factor d'impacte de la producció científica. Suma   | 57,92        |
| Nº Publicacions en revistes Q1                      | 10           |
| Q1 FI                                               | 51,659       |
| Nº Publicacions en revistes Q2                      | 1            |
| Q2 FI                                               | 3,342        |

## Research Area: Health Services Research

### **Research Group:** GRCS (Research Group in Nursing Care)

Health care is the cornerstone of nursing. The GRCS Group focuses on nursing care and treatments.

Nurses from the Hospital Vall d'Hebron and from the Nursing Department of the Universitat Autònoma of Barcelona collaborate with this Group, which is mainly constituted by primary care nurses, together with two family doctors and a health technician to achieve a comprehensive approach to the patient and excellence in methodological quality.

The research aims to define the services provided by nurses, both to the individual patient and to patient groups, and to find strategies to translate research results into clinical practice. The group wants to advance the discipline of nursing. With this purpose, they aim to become the meeting point for all the investigators and PhD students in Barcelona with an interest in the same research areas.

*Lines: Nursing care and treatment for patient groups; Nursing management of chronic diseases; Professional development.*

### **Group Leader**

Campo Osaba, Maria Antonia



### **Researchers**

Badia Royes, Rosa Maria  
Borràs Gallart, Enriqueta  
Fernández Vandellos, Patricia  
Galbany Estragués, Paola  
Garaikoetxea Iturriria, Ana  
Garcia Garcia, Eva  
Jodar Solà, Glòria  
Juanola Pages, Maria Dolores  
Laguna Fernández, Vicencia  
Lapena Estella, Carolina  
Llinas Vidal, Montserrat  
Lozano Randón, Olga  
Martín Royo, Jaume  
Orfila Pernas, Francesc  
Rosell Reig, Nuria  
Sevillano Lalinde, M<sup>a</sup> del Mar  
Vigo Oller, Olga

### **Research Projects**

**IP:** Segura Noguera, Josep M<sup>a</sup>. *Efectividad de una intervención multifactorial para la modificación de parámetros de fragilidad en población anciana: Estudio FRAGILITY*. Funding: Departament de Salut. Duration: 2014 - 2016

**IP:** Romera Liébana, Laura. *Efectivitat d'una intervenció multifactorial per a la modificació de paràmetres de fragilitat en la població gran*. Funding: Fundacio Privada Mutuam Conviure. Duration: 2013 - 2016

**IP:** Segura Noguera, Josep M<sup>a</sup>. *Efectividad de una intervención multifactorial para modificar la fragilidad en ancianos comunitarios*. Funding: Instituto de Salud Carlos III. Duration: 2013 - 2016

**IP:** Lapena Estella, Carolina. *Ensayo clínico para evaluar la efectividad de un protocolo de cuidados integrales de la Diabetes Mellitus 2 y sus comorbilidades asociadas*. Funding: ICS - Institut Català de la Salut. Duration: 2014 - 2015

**IP:** Berenguer Perez, Miriam. *Implementació d'un protocol d'actuació segons les guies de pràctica clínica en pacients amb úlceres d'etiologia venosa en Atenció Primària: trasllat de l'evidència a la pràctica*. Funding: ICS - Institut Català de la Salut. Duration: 2014 - 2015

**IP:** Fernández San Martín, María Isabel. *Efectividad de un programa de actividad física y dieta coordinado entre atención primaria y salud mental, para modificar factores de riesgo cardiovascular en pacientes esquizofrénicos o con trastorno bipolar*. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015

**IP:** Violan Fors, Concepció. *Tabaquismo y Atención Primaria: relación entre el nivel macro (política sanitaria) y micro (atención primaria). Consecuencias de la Ley 42/2010 en los centros de salud*. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015

**IP:** Segura Noguera, Josep M<sup>a</sup>. *Efectividad de una intervención multifactorial para modificar la fragilidad en ancianos comunitarios*. Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2014

**IP:** Casacuberta Monge, Jose-Maria. *Estudi de validació d'un instrument d'alerta de fragilitat en persones grans a l'Atenció Primària de Salut*. Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2014

**IP:** Rosell Reig, Nuria. *Ensayo clínico aleatorizado para evaluar la efectividad de un entrenamiento de Mindfulness (conciencia plena) en personas con patología crónica*. Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2014

**IP:** Campo Osaba, María Antonia. *Actividad comunitaria de promoción de la salud: resultados de un ensayo clínico*. Funding: Laboratorios Dr. Esteve, S.A. Duration: 2013 - 2014

**IP:** Segura Noguera, Josep M<sup>a</sup>. *Efectividad de una intervención multifactorial para la modificación de parámetros de fragilidad en población anciana: Estudio FRAGILITY*. Funding: Laboratorios Dr. Esteve, S.A. Duration: 2013 - 2014

**IP:** Cegri Lombardo, Francisco. *Seguiment als 7 anys d'una cohort de gent gran no institucionalitzada. Validació predictiva d'un instrument de detecció de fragilitat en l'Atenció Primària*. Funding: Col·legi Oficial d'Infermeria de Barcelona. Duration: 2012 - 2014

**IP:** Orfila Pernas, Francesc. *Seguiment als 7 anys d'una cohort de gent gran no institucionalitzada. Validació predictiva d'un instrument de detecció de fragilitat en l'atenció primària*. Funding: Departament de Salut. Duration: 2012 - 2014

## Articles

Brugués A, Jodar G. La prescripción enfermera: un beneficio para los pacientes y para las organizaciones sanitarias. *Revista de Innovación Sanitaria y Atención Integrada*. 2014;6:1-2.

Delgado P, Riba-Llena I, Tovar JL, Jarca CI, Mundet X, López-Rueda A, Orfila F, Llusa J, Manresa JM, Alvarez-Sabín J, Nafria C, Fernández JL, Maisterra O, Montaner J. Prevalence and associated factors of silent brain infarcts in a Mediterranean cohort of hypertensives. *Hypertension*. 2014 Sep; 64(3):658-63. doi:10.1161/HYPERTENSIONAHA.114.03563. pii:HYPERTENSIONAHA.114.03563. PMID:24958500. **FI: 7,632**

Fernández-San-Martín MI, Martín-López LM, Masa-Font R, Olona-Tabueña N, Roman Y, Martín-Royo J, Oller-Canet S, González-Tejón S, San-Emeterio L, Barroso-García A, Viñas-Cabrera L, Flores-Mateo G. The effectiveness of lifestyle interventions to reduce cardiovascular risk in patients with severe mental disorders: meta-analysis of intervention studies. *Community mental health journal*. 2014 Jan; 50(1):81-95. doi:10.1007/s10597-013-9614-6. PMID:23739948. **FI: 1,146**

Frigola-Capell E, van Lieshout J, Muñoz MA, Verdú-Rotellar J, Orfila F, Suñol R, Wensing M. Community programmes for coronary heart disease in Spanish primary care. *The International journal of health planning and management*. 2014 Jun; doi:10.1002/hpm.2262. PMID:24916106. **FI: 0,971**

Orfila F, Cegri F, Carrés L, Romera L, Segura JM. Detecció de fragilitat a la consulta d'atenció primària. *Annals de Medicina*. 2014;97:103-105.

Romera L, Orfila F, Segura JM, Ramirez A, Möller M, Fabra ML, Lancho S, Bastida N, Foz G, Fabregat MA, Martí N, Cullerell M, Martinez D, Giné M, Bistuer A, Cendrós P, Pérez E. Effectiveness of a primary care based multifactorial intervention to improve frailty parameters in the elderly: a randomised clinical trial: rationale and study design. *BMC geriatrics*. 2014; 14:125. doi:10.1186/1471-2318-14-125. pii:1471-2318-14-125. pmc:PMC4258273. PMID:25427568.

## Indicators

|                                                                                   |              |
|-----------------------------------------------------------------------------------|--------------|
| Researchers with PhD                                                              | 2            |
| Total number of projects in which group members have participated                 | 14           |
| Total number of projects in which the PI of the project has belonged to the group | 4            |
| Total Funding                                                                     | 227.153,17 € |
| Scientific publications in indexed journals                                       | 3            |
| Total Impact factor                                                               | 9,75         |
| Nº of articles in Q1 journals                                                     | 1            |
| Q1 IF                                                                             | 7,632        |
| Nº of articles in Q2 journals                                                     | 0            |
| Q2 IF                                                                             |              |

## Research Group: GRenSSAP Catalunya (Research in Primary Health Services in Catalonia)

This group for research into primary health care services in Catalonia is made up of a team of researchers from IDIAP Jordi Gol who have been working on various lines of health service research for several years, and participate in important processes of evaluation and innovation in primary health care in Catalonia (evaluation of the objectives of the Catalan Health Service, the impact of electronic guidelines, the role of nurses in the care of acute problems, evaluation of a new model for emergency services, validation of Adjusted Clinical Groups®, etc.) Many of its members participated in the redIAPP network between 2003 and 2006 or in the IRYSS network (Investigation of Results and Health Services: G03/2020). In 2006 it again joined the redIAPP network. In 2009 it was accredited as an emergent group by the Department of Innovation, Universities and Business of the Catalan Generalitat.

The general aim of the group is research into and systematic evaluation of general and specific aspects of the development and function of health services and their relationship with factors affecting health.

*Lines: Patient classification systems Variability and effectiveness of preventive activities in primary health care. Analysis of multimorbidity Evaluation of organisational innovation.*

### Group Leader

Bolíbar Ribas, Bonaventura



### Researchers

Violan Fors, Concepció Berenguera Ossó, Anna Casajuana Closas, Marc Catalan Ramos, Arantxa Foguet Boreu, Quintí Giner Soriano, Maria Hermosilla Pérez, Eduardo Martin Cantera, Carlos Monteagudo Zaragoza, Mònica Morros Pedrós, Rosa Pons Vigués, Mariona Puente Baliarda, Diana Pujol Ribera, Enriqueta Rodríguez Blanco, M Teresa Sicras Mainar, Antoni Valderas Martínez, José Maria Zabaleta del Olmo, Edurne

### Research Projects

**IP:** Prieto Alhambra, Daniel. *European Program of Post-Authorisation Safety Studies for Protelos®/Osseor® through EU-ADR Alliance*. Funding: Synapse Research Management Partners, S.L. Duration: 2014 - 2017

**IP:** Molló Iniesta, M. Angels. *Estudio INTEGRA: estrategia de INTERvención intEgral en pacientes con mal control Glucémico de la diabetes mellitus tipo 2 en el Ámbito de Atención PRIMaria*. Funding: Sanofi Aventis, S.A. Duration: 2014 - 2017

**IP:** Martin Cantera, Carlos. *Evaluación de la eficacia de una intervención basada en la disminución de las horas de sedestación en pacientes con sobrepeso u obesidad moderada (proyecto SEDESTACTIV). Ensayo clínico aleatorio controlado*. Funding: Universidad Europea de Madrid S.L.U. Duration: 2014 - 2016

**IP:** Giner Soriano, Maria. *Systematic ObservationsI Method for Narcolepsy and Influenza Immunization Assessment*. Funding: Brighton Collaboration Foundation. Duration: 2014 - 2016



**IP:** Monteagudo Zaragoza, Mònica. *Real life evidence of Eklira®/Bretaris® Genuair® in Catalonia*. Funding: IMS Health, S.A. Duration: 2014 - 2016

**IP:** Morros Pedrós, Rosa. *Aplicación tópica de hidróxido potásico en el tratamiento del molusco contagioso*. Funding: Laboratorio Reig Jofré, S.A. Duration: 2014 - 2016

**IP:** Monteagudo Zaragoza, Mònica. *Trends in prevalence and burden of non-cystic fibrosis bronchiectasis in Catalonia*. Funding: Bayer Pharma AG. Duration: 2014 - 2016

**IP:** Costa Pinel, Bernardo. *Early Prevention of Diabetes Complications in people with Hyperglycaemia in Europe*. Funding: IDIAP Jordi Gol. Duration: 2013 - 2016

**IP:** García Gil, M<sup>a</sup> del Mar. *Efectividad del Inicio del Tratamiento Antihipertensivo en la Prevención Primaria de Eventos Cardiovasculares. Proyecto EITEC*. Funding: Instituto de Salud Carlos III. Duration: 2013 - 2016

**IP:** Foguet Boreu, Quintí. *Identificación de los patrones de multimorbilidad y la polimedicación asociada, a una muestra poblacional de atención primaria*. Funding: Instituto de Salud Carlos III. Duration: 2013 - 2016

**IP:** Campins Martí, Magdalena. *Cobertura de vacunación antigripal y morbilidad asociada a gripe en gestantes*. Funding: Hosp. Vall Hebron. Fund. Institut de Recerca. Duration: 2013 - 2016

**IP:** Martín Cantera, Carlos. *Efectividad del uso de una herramienta móvil añadida a una intervención estándar en la mejora de estilos de vida saludables. Ensayo clínico aleatorizado. Estudio EVIDENT II*. Funding: Instituto de Salud Carlos III. Duration: 2013 - 2016

**IP:** Bolívar Ribas, Bonaventura. *Diseño de una intervención compleja multiriesgo en Atención Primaria para fomentar conductas promotoras de salud en la población de 45 a 75 años: ensayo clínico exploratorio multicéntrico*. Funding: Instituto de Salud Carlos III. Duration: 2013 - 2016

**IP:** Morros Pedrós, Rosa. *Riesgo cardiovascular en pacientes con osteoartritis: estudio de casos y controles*. Funding: Bioiberica, S.A. Duration: 2013 - 2016

**IP:** Violan Fors, Concepció. *Dronedrone utilization study in Catalonia, Spain, using SIDIAP database*. Funding: Sanofi Aventis, S.A. Duration: 2013 - 2016

**IP:** Capellà Hereu, Dolors. *Los fármacos como factores de riesgo de muerte súbita cardíaca no explicada. Estudio de casos y controles*. Funding: Instituto de Salud Carlos III. Duration: 2013 - 2016

**IP:** Benítez Camps, Mènci. *Evaluación de la relación entre paracetamol efervescente y presión arterial. Ensayo clínico*. Funding: Ministerio de Sanidad y Política Social e Igualdad. Duration: 2011 - 2016

**IP:** Costa Pinel, Bernardo. *Early Prevention of Diabetes Complications in people with Hyperglycaemia in Europe*. Funding: European Commission. Duration: 2011 - 2016

**IP:** Bolívar Ribas, Bonaventura. *The appropriateness of prescribing antibiotics in primary health care in Europe with respect to antibiotic resistance*. Funding: IDIAP Jordi Gol. Duration: 2014 - 2015

**IP:** Martín Cantera, Carlos. *Efectividad del uso de una herramienta móvil añadida a una intervención estándar en la mejora de estilos de vida saludables. Ensayo clínico aleatorizado. Estudio EVIDENT II*. Funding: Fundació Acadèmia de les Ciències Mèdiques. Duration: 2014 - 2015

**IP:** Violan Fors, Concepció. *Innovating care for people with multiple chronic conditions in Europe*. Funding: European Commission. Duration: 2014 - 2015

**IP:** Rodríguez Álvarez, María del Mar. *Impacto del síndrome de apnea del sueño en la morbilidad cardiovascular: estudio de cohortes de base poblacional*. Funding: IDIAP Jordi Gol. Duration: 2014 - 2015

**IP:** González Tejon, Susana. *Fracturas de cadera en pacientes tratados con fármacos antipsicóticos. Estudio de cohortes retrospectivo en Cataluña*. Funding: IDIAP Jordi Gol. Duration: 2014 - 2015

**IP:** Perapoch López, Josep. *Relación entre los antecedentes de prematuridad y el consumo de fármacos para el tratamiento del TDAH en la infancia. Estudio observacional retrospectivo*. Funding: Hosp. Vall Hebron. Fund. Institut de Recerca. Duration: 2013 - 2015

**IP:** Miravittles Fernández, Marc. *Evolución de los patrones de tratamiento inicial en los pacientes con EPOC de nuevo diagnóstico de 2007-2012*. Funding: Novartis Farmacèutica, S.A. Duration: 2013 - 2015

**IP:** Miravittles Fernández, Marc. *Déficit de alfa-1antitripsina. Identificación de carencias en el diagnóstico y seguimiento en Cataluña*. Funding: Grifols Inc. Duration: 2013 - 2015

**IP:** Giner Soriano, María. *Cilostazol drug utilization study*. Funding: Research Triangle Institute. Duration: 2013 - 2015

**IP:** Cordoní Saborit, Sílvia. *Proyecto de telemonitorización en pacientes crónicos*. Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2015

**IP:** Díaz Gete, Laura. *Efectividad de una intervención con seguimiento por correo electrónico del abandono sostenido del tabaquismo (Estudio TABATIC). Ensayo clínico aleatorizado controlado multicéntrico*. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015

**IP:** Violan Fors, Concepció. *Tabaquismo y Atención Primaria: relación entre el nivel macro (política sanitaria) y micro (atención primaria). Consecuencias de la Ley 42/2010 en los centros de salud*. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015

**IP:** Vinyoles Bargalló, Ernest. *Efectividad de la Temporización de la administración de Aspirina en pacientes Hipertensos en tratamiento con bajas dosis de AAS como Prevención Secundaria*. - TAHPs. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015

**IP:** García Gil, M<sup>a</sup> del Mar. *El Rol de las Estatinas en Prevención Primaria de Eventos Cardiovasculares en población con Enfermedad Renal Crónica (ERC). Proyecto ECERC*. Funding: Ministerio de Sanidad y Política Social e Igualdad. Duration: 2012 - 2015

**IP:** Bolívar Ribas, Bonaventura. *Efectividad de una intervención para mejorar la adecuación de la indicación de hipolipemiantes en prevención primaria: ensayo clínico aleatorizado*. Funding: Ministerio de Sanidad y Política Social e Igualdad. Duration: 2012 - 2015

**IP:** Ramos Blanes, Rafael. *Patrones del uso de Estatinas en el Tratamiento del Riesgo cardiovascular elevado y Efectividad Asociada*. Funding: AstraZeneca Farmacéutica Spain, S.A. Duration: 2012 - 2015

**IP:** Aymerich, Marta. *Elaboración de un Modelo de TRAslación de los resultados de investigación hacia la toma de decisiones en Salud (TRAM-S)*. Funding: Universitat de Girona. Duration: 2012 - 2015

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## Prizes

Josep Trueta Medal of Health Merit. Martin C.

Best oral communication. XXX Jornades ACMCIB Vallesos. Un estilo de vida saludable, un estilo de vida mediterráneo. Estudio Evident. Colominas R, Romaguera M, Martin C, García L, Cid A.

Best oral communication. XXXVIII Jornades Solidàries del Vallès. Un estilo de vida saludable, un estilo de vida mediterráneo. Descriptiva basal estudio Evident. Colominas R, Puigdomenech E, Romaguera M, Martin C, Cid A.

## Indicators

|                                                                                   |                |
|-----------------------------------------------------------------------------------|----------------|
| Researchers with PhD                                                              | 10             |
| Total number of projects in which group members have participated                 | 45             |
| Total number of projects in which the PI of the project has belonged to the group | 18             |
| Total Funding                                                                     | 1.953.708,40 € |
| Scientific publications in indexed journals                                       | 50             |
| Total Impact factor                                                               | 140,78         |
| Nº of articles in Q1 journals                                                     | 14             |
| Q1 IF                                                                             | 58,834         |
| Nº of articles in Q2 journals                                                     | 23             |
| Q2 IF                                                                             | 52,327         |

## Research Group: GRETAP (Research Group in Therapies in Primary Care)

Multidisciplinary group constituted by primary care professionals, pharmacists, statisticians and members of the Catalan Institute of Physical Education. The GRETAP Group has studied pharmacological and non-pharmacological therapies in the general population since 2007. Professionals from the University of Lleida, the Institute of Biomedical Research of Lleida and the Epidemiology Unit of the Catalan Health Department also collaborate with the GRETAP Group. The main areas of research are prevalence, efficiency, cost and adherence to pharmacological and non-pharmacological therapies.

*Lines: Applicability of the study of exposure to drugs in a population; Treatment adherence; Changes of diseases over time; Health Inequality; Efficiency and cost-effectiveness of new therapies; Drug monitoring; Efficiency and cost-effectiveness of various non-pharmacological therapeutic interventions.*

### Group Leader

Cruz Esteve, Inés



### Researchers

Galindo Ortego, Gisela  
Galvan Santiago, Leonardo  
Marsal Mora, Josep Ramon  
Real Gatus, Jordi  
Ribes Murillo, Esther Noemí  
Serna Arnaiz, Maria Catalina  
Serra Paya, Noemi  
Soler González, Jorge  
Teixidó Armengol, Conxita  
Yuguero Torres, Oriol

### Research Projects

**IP:** Real Gatus, Jordi. *Estrategias de emparejamiento de muestras (matching) para eliminar la confusión en los estudios observacionales: Aplicación en farmacoepidemiología con grandes bases de datos de registros clínicos.* Duration: 2014 - 2017

**IP:** Yuguero Torres, Oriol. *Estudio de la empatía de los médicos y enfermeras de Atención Primaria de la Región Sanitaria de Lleida y su relación con las variables clínicas.* Funding: Fundació Privada Semfyc. Duration: 2014 - 2017

**IP:** Foguet Boreu, Quintí. *Identificación de los patrones de multimorbilidad y la polimedicación asociada, a una muestra poblacional de atención primaria.* Funding: Instituto de Salud Carlos III. Duration: 2013 - 2016

**IP:** Teixidó Armengol, Conxita. *Evaluación de un programa de intervención familiar en población infantil con sobrepeso u obesidad en relación a la mejora de resultados antropométricos a largo plazo: Ensayo clínico aleatorio controlado.* Funding: Instituto de Salud Carlos III. Duration: 2013 - 2016

**IP:** Muñoz Pérez, Miguel Angel. *Eficacia de la prevención secundaria de la cardiopatía isquémica en atención primaria (Estudio ICAR: Intervención en la Comunidad de Alto Riesgo Coronario).* Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2016

**IP:** Lloret Capdevila, Alba. *Belluga't de cap a peus; promoció de l'activitat física saludable en pacients sedentaris i amb risc metabòlic.* Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2016

**IP:** Cruz Esteve, Inés. *Prescripció potencialment inadequada en ancians: utilitat dels criteris START/STOPP per a la seva detecció a nivell poblacional.* Funding: IDIAP Jordi Gol. Duration: 2014 - 2015

**IP:** Martínez Ramos, Elena. *Evaluación de la efectividad de una intervención basada en la disminución de las horas de sedestación en pacientes con sobrepeso u obesidad moderada (proyecto SEDESTATIV). Ensayo clínico aleatorio controlado.* Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015

**IP:** Marsal Mora, Josep Ramon. *Presencia de diabetes mellitus tipo 2 desconocida, prediabetes e indicadores de arteriosclerosis subclínica en relación al patrón de ingesta alimentaria en población general.* Funding: ICS - Institut Català de la Salut. Duration: 2012 - 2015

**IP:** Violan Fors, Concepció. *Multimorbilidad, Polimedicación y Consumo de recursos en una muestra poblacional de personas mayores de 65 años en atención primaria.* Funding: Fundació Agrupació Mútua. Duration: 2012 - 2014

**IP:** Galindo Ortego, Gisela. *Incidència del risc de fractura osteoporòtica i relació amb l'exposició a bifosfonats. Estudi observacional amb base de dades clíniques poblacionals: OSTEOPFRAC.* Funding: ICS - Institut Català de la Salut. Duration: 2012 - 2014

**IP:** Juanós Lanuza, Meritxell. *Estudi d'adherència a la dieta mediterrània de la població infantil d'una àrea de salut rural.* Funding: ICS - Institut Català de la Salut. Duration: 2012 - 2014

**IP:** Serna Arnaiz, Maria Catalina. *La mejora del control de los factores de riesgo vascular a nivel de Atención Primaria se relacionan con la mortalidad, el número de ingresos y procedimientos hospitalarios específicos.* Funding: ICS - Institut Català de la Salut. Duration: 2012 - 2014

**IP:** Yuguero Torres, Oriol. *Estudio de valoración de la calidad de vida en pacientes con Cardiopatía Isquémica.* Funding: ICS - Institut Català de la Salut. Duration: 2012 - 2014

## Articles

Martín-Borràs C, Giné-Garriga M, Martínez E, Martín-Cantera C, Puigdoménech E, Solà M, Castillo E, Beltrán AM, Puig-Ribera A, Trujillo JM, Pueyo O, Pueyo J, Rodríguez B, Serra-Paya N. Effectiveness of a primary care-based intervention to reduce sitting time in overweight and obese patients (SEDESTATIV): a randomized controlled trial; rationale and study design. *BMC public health.* 2014 ;14:228. doi:10.1186/1471-2458-14-228. pii:1471-2458-14-228. pmc:PMC3973868. PMID:24597534. **FI: 2,321**

Montserrat-Capdevila J, Godoy P, Marsal JR, Cruz I, Solanes M. Effectiveness of influenza vaccination in preventing hospital admission due to exacerbations of chronic obstructive pulmonary disease. *Enfermedades infecciosas y microbiología clínica.* 2014 Feb; 32(2):70-5. doi:10.1016/j.eimc.2013.02.009. pii:S0213-005X(13)00054-2. PMID:23582192. **FI: 1,881**

Soler J, Rodríguez A, Marsal JR. Competencia del estudiante de medicina para respetar las creencias y la cultura del paciente. *FEM: Revista de la Fundación Educación Médica.* 2014;17(2):69-74.

## Indicators

|                                                                                   |              |
|-----------------------------------------------------------------------------------|--------------|
| Researchers with PhD                                                              | 4            |
| Total number of projects in which group members have participated                 | 14           |
| Total number of projects in which the PI of the project has belonged to the group | 8            |
| Total Funding                                                                     | 164.324,89 € |
| Scientific publications in indexed journals                                       | 3            |
| Total Impact factor                                                               | 4,2          |
| Nº of articles in Q1 journals                                                     | 0            |
| Q1 IF                                                                             |              |
| Nº of articles in Q2 journals                                                     | 1            |
| Q2 IF                                                                             | 2,321        |



## Research Group: Laboratory Group for the Research in QUALITY INDICATORS

This group consists in physicians, pharmacists and chemists of the Catalan Health Institute that specialise in clinical chemistry and laboratory medicine. In addition, seven members of this group belong to the Laboratory Tests Quality Commission of the Spanish Society of Clinical Biochemistry and Molecular Pathology (SEQC) and have over 15 years of experience on quality of laboratory tests. Another four members belong to the Preanalytical Phase Quality Commission of the Spanish Society of Clinical Biochemistry and Molecular Pathology, which aims to determine the preanalytical phase errors. Quality indicators are essential to monitor quality management systems. They must be designed to detect errors as early as possible to guarantee the reliability of laboratory processes. Monitoring the results of quality indicators prevents errors that can affect the management of the patient.

*Lines: Lines: Quality indicators in the clinical laboratory; Adequacy of requests for laboratory tests from primary care; Agreement on critical values; Warning values in the e-CAP.*

### Group Leader

Llovet Lombarte, M<sup>a</sup> Isabel



### Researchers

Alsina Kirchner, Maria Jesús  
Álvarez Funes, Virtudes  
Biosca Adzet, Carmen  
Blanco Font, Aurora  
Busquets Soria, Glòria  
Domènech Clar, M<sup>a</sup> Vicenta  
Ibarz Escuer, Mercè  
Llopis Díaz, M<sup>a</sup> Antonia  
Minchinela Girona, Joana  
Montesinos Costa, Mercè  
Perich Alsina, Carme  
Ruiz Morer, M<sup>a</sup> Rosa  
Serrat Orús, Núria  
Simon Palmada, Margarida

### Research Projects

**IP:** Salvador Gonzalez, Betlem. *Riesgo cardiovascular asociado a la disminución del filtrado glomerular en mayores de 60 años en Atención Primaria*. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015

### Articles

Fernandez P, Llopis MA, Perich C, Alsina MJ, Alvarez V, Biosca C, Busquets G, Domenech MV, Gómez R, Llovet I, Minchinela J, Pastor R, Ruiz R, Tarrés E, Ibarz M, Simón M, Montesinos M. Harmonization in hemolysis detection and prevention. A working group of the Catalanian Health Institute (ICS) experience. Clinical chemistry and laboratory medicine: CCLM / FESCC. 2014 Nov; 52(11):1557-68. doi:10.1515/cclm-2013-0935. pii:/j/cclm.ahead-of-print/cclm-2013-0935/cclm-2013-0935.xml. PMID:24897397. **FI: 2,955**

Minchinela J, Ricós C, Perich C, Fernández-Calle P, Alvarez V, Domenech MV, Simón M, Biosca C, Boned B, Cava F, García-Lario JC, Fernández-Fernández P. Base de datos de los componentes de Variación Biológica, con las especificaciones de la calidad analítica (deseable, mínima y óptima). Actualización del año 2014. <http://seqc.es/Comisiones/18/9/102>. 2014;18:9-102.



Perich C, Alvarez A, Blázquez R, Calafell R, Cobo MJ, Cuadrado, MA, Gutierrez G, Jou JM, Morancho J, Prada E, Prieto S, Ramón F, Ricós C, Salas A en colaboración con la comisión de calidad analítica de la SEQC. Aplicación práctica del control interno de la calidad en los procedimientos de medida cuantitativos. *Revista del Laboratorio Clínico*. 2014;7(1):25-32.

Perich C, Ricós C, Alvarez V, Biosca C, Boned B, Cava F, Domenech MV, Fernández Calle P, Fernández Fernández P, García JV, Minchinela J, Simon M, Jansen R. External quality assurance programs as a tool for verifying standardization of measurement procedures: Pilot collaboration in Europe. *Clinica chimica acta; international journal of clinical chemistry*. 2014;432:82-89. PMID:24291706. **FI: 2,764**

Prada E, Blázquez R, Perich C, Gutierrez G, Pineda D, Álvarez A, Salas A, Jou JM, Cuadrado MA, Morancho J, Ricós C, Cobo MJ, Calafell R, Ramón F en colaboración con la comisión de calidad analítica de la SEQC. Verificación de la intercambiabilidad de resultados entre equipos duplicados. *Revista del Laboratorio Clínico*. 2014;7(1):17-24.

Ramón F, Alsina MJ, Alvarez V, Boned B, Biosca C, Bullich S, Cortés M, Domenech MV, Fernández P, Fernández P, García JV, Martínez C, Minchinela J, Perich C, Ricós C, Salas A, Simon M, Ventura E, Ventura M. VIII Programa de Garantía Externa de la Calidad de Bioquímica (componentes monoclonales) de la Sociedad Española de Bioquímica Clínica y Patología Molecular (2013). <http://www.contcal.org/qcweb/Documents/90%20Avaluacio%20anual/60%20Programes%202013/130.%20Programa%20Monoclonals.pdf>. 2014;1:247-266.

Ramón F, Alsina MJ, Alvarez V, Boned B, Biosca C, Bullich S, Cortés M, Domenech MV, Fernández P, Fernández P, García JV, Martínez C, Minchinela J, Perich C, Ricós C, Salas A, Simon M, Ventura E, Ventura M. XIII Programa de Garantía Externa de la Calidad de Bioquímica (marcadores cardíacos) de la Sociedad Española de Bioquímica Clínica y Patología Molecular (2013). <http://www.contcal.org/qcweb/Documents/90%20Avaluacio%20anual/60%20Programes%202013/110.%20Programa%20Card%C3%ADacos.pdf>. 2014;1:225-237.

Ramón F, Alsina MJ, Alvarez V, Boned B, Biosca C, Bullich S, Cortés M, Domenech MV, Fernández P, Fernández P, García JV, Martínez C, Minchinela J, Perich C, Ricós C, Salas A, Simon M, Ventura E, Ventura M. XXII Programa de Garantía Externa de la Calidad de Bioquímica (hormonas/inmunoanálisis) de la Sociedad Española de Bioquímica Clínica y Patología Molecular (2013). <http://www.contcal.org/qcweb/Documents/90%20Avaluacio%20anual/60%20Programes%202013/60.%20Programa%20Hormonas.pdf>. 2014;1(1):106-143.

Ramón F, Alsina MJ, Alvarez V, Boned B, Biosca C, Bullich S, Cortés M, Domenech MV, Fernández P, Fernández P, García JV, Martínez C, Minchinela J, Perich C, Ricós C, Salas A, Simon M, Ventura E, Ventura M. XXXIV Programa de Garantía Externa de la Calidad de Bioquímica (suero) de la Sociedad Española de Bioquímica Clínica y Patología Molecular (2013). <http://www.contcal.org/qcweb/Documents/90%20Avaluacio%20anual/60%20Programes%202013/40.%20Programa%20Suero.pdf>. 2014;1:8-75.

Ramón F, Alsina MJ, Alvarez V, Boned B, Biosca C, Bullich S, Cortés M, Domenech MV, Fernández P, Fernández P, García JV, Martínez C, Minchinela J, Perich C, Ricós C, Salas A, Simon M, Ventura E, Ventura M. XIII Programa de Garantía Externa de la Calidad de Bioquímica (marcadores tumorales) de la Sociedad Española de Bioquímica Clínica y Patología Molecular (2013). <http://www.contcal.org/qcweb/Documents/90%20Avaluacio%20anual/60%20Programes%202013/100.%20Programa%20Tumoral.pdf>. 2014;1:204-224.

Ramón F, Alsina MJ, Alvarez V, Boned B, Biosca C, Bullich S, Cortés M, Domenech MV, Fernández P, Fernández P, García JV, Martínez C, Minchinela J, Perich C, Ricós C, Salas A, Simon M, Ventura E, Ventura M. XXIII Programa de Garantía Externa de la Calidad de Bioquímica (orina) de la Sociedad Española de Bioquímica Clínica y Patología Molecular (2013). <http://www.contcal.org/qcweb/Documents/90%20Avaluacio%20anual/60%20Programes%202013/50.%20Programa%20Orina.pdf>. 2014;1(1):76-104.

Ramón F, Alsina MJ, Alvarez V, Boned B, Biosca C, Bullich S, Domenech MV, Fernández P, Fernández P, García JV, Martínez C, Minchinela J, Perich C, Ricós C, Salas A, Simon M, Ventura E, Ventura M. XX Programa de Garantía Externa de la Calidad de Bioquímica (proteínas) de la Sociedad Española de Bioquímica Clínica y Patología Molecular (2013). <http://www.contcal.org/qcweb/Documents/90%20Avaluacio%20anual/60%20Programes%202013/70.%20Programa%20Prote%C3%ADnas.pdf>. 2014;1:144-180.

Ramón F, Alsina MJ, Alvarez V, Boned B, Biosca C, Bullich S, Cortés M, Domenech MV, Fernández P, Fernández P, García JV, Martínez C, Minchinela J, Perich C, Ricós C, Salas A, Simon M, Ventura E, Ventura M. VI Programa de Garantía Externa de la Calidad de Bioquímica (drogas de abuso en orina) de la Sociedad Española de Bioquímica Clínica y Patología Molecular (2013). <http://www.contcal.org/qcweb/Documents/90%20Avaluacio%20anual/60%20Programes%202013/120.%20Programa%20Drogues.pdf>. 2014;1:238-246.

Ramon F, Alsina MJ, Alvarez V, Boned B, Biosca C, Bullich S, Cortés M, Domenech MV, Fernández P, Fernández P, García JV, Martínez C, Minchinela J, Perich C, Ricós C, Salas A, Simon M, Ventura E, Ventura M. XVII Programa de Garantía Externa de la Calidad de Bioquímica (Hemoglobina A1c) de la Sociedad Española de Bioquímica Clínica y Patología Molecular (2013). <http://www.contcal.org/qcweb/Documents/90%20Avaluacio%20anual/60%20Programes%202013/90.%20Programa%20hemoglobina.pdf>. 2014;1:199-203.

Ramon F, Alsina MJ, Alvarez V, Boned B, Biosca C, Bullich S, Cortés M, Domenech MV, Fernández P, Fernández P, García JV, Martínez C, Minchinela J, Perich C, Ricós C, Salas A, Simon M, Ventura E, Ventura M. XIX Programa de Garantía Externa de la Calidad de Bioquímica (gases en sangre-POCT) de la Sociedad Española de Bioquímica Clínica y Patología Molecular (2013). <http://www.contcal.org/qcweb/Documents/90%20Avaluacio%20anual/60%20Programes%202013/80.%20Programa%20Gases.pdf>. 2014;1:181-198.

## Indicators

|                                                                                   |             |
|-----------------------------------------------------------------------------------|-------------|
| Researchers with PhD                                                              | 2           |
| Total number of projects in which group members have participated                 | 1           |
| Total number of projects in which the PI of the project has belonged to the group |             |
| Total Funding                                                                     | 11.916,08 € |
| Scientific publications in indexed journals                                       | 2           |
| Total Impact factor                                                               | 5,72        |
| Nº of articles in Q1 journals                                                     | 2           |
| Q1 IF                                                                             | 5,719       |
| Nº of articles in Q2 journals                                                     | 0           |
| Q2 IF                                                                             |             |

## Research Group: TICS-AP (Information and Communications Technology in Primary Care Group. TICS-AP)

Description: The group TICS-AP is a multidisciplinary group which includes nurses, IT engineers and doctors, all professionals of different areas of primary care that encompass management, research and clinical care. The group is based at the RSU-Tarragona and one of the team members is an IDIAP Jordi Gol research technician. In addition, they work closely with the Health Agency of Catalonia and with the University Rovira i Virgili. The general objective of the group is to design and develop interventions that integrate Web 2.0 tools and IT and to evaluate the efficacy of these interventions to improve the health of patients that attend primary care services.

*Lines: Application of Web 2.0 tools in primary care; Telemetry in primary care; Use of Electronic Medical Records in epidemiological research.*

### Group Leader

Flores Mateo, Gemma



### Researchers

Barrera Uriarte, M<sup>a</sup> Luisa  
Granado Font, Ester  
Molina Gómez, Juan Domingo  
Montaña Carreras, Francisco Javier  
Rey Reñones, Cristina

### Research Projects

**IP:** Sorlí Aguilar, Mar. *ESTUDIO DIET: Ensayo clínico multicéntrico y aleatorizado para valorar la relación entre la función pulmonar y la adherencia a una dieta de tipo mediterránea.* Funding: ICS - Institut Català de la Salut. Durantion: 2014 - 2017

**IP:** Satué Gracia, Eva María. *Eficacia de una aplicación para dispositivos móviles para mejorar la adherencia a dieta y ejercicio en adultos con sobrepeso y obesidad. Ensayo clínico aleatorizado.* Funding: IDIAP Jordi Gol. Durantion: 2014 - 2016

**IP:** Rey Reñones, Cristina. *Eficacia de una aplicación para dispositivos móviles en la deshabituación de tabaco en jóvenes (Smart\_Smoke): Ensayo clínico aleatorizado por conglomerados.* Funding: Instituto de Salud Carlos III. Durantion: 2013 - 2016

**IP:** Díaz Gete, Laura. *Efectividad de una intervención con seguimiento por correo electrónico del abandono sostenido del tabaquismo (Estudio TABATIC). Ensayo clínico aleatorizado controlado multicéntrico.* Funding: Instituto de Salud Carlos III. Durantion: 2012 - 2015

**IP:** Díaz Gete, Laura. *Efectividad de una intervención con seguimiento por correo electrónico del abandono sostenido del tabaquismo (Estudio TABATIC). Ensayo clínico aleatorizado controlado multicéntrico.* Funding: ICS - Institut Català de la Salut. Durantion: 2013 - 2014

## Articles

Abril-Ulloa V, Flores-Mateo G, Solà-Alberich R, Manuel-y-Keenoy B, Ariba V. Ferritin levels and risk of metabolic syndrome: meta-analysis of observational studies. *BMC public health*. 2014 ; 14:483. doi:10.1186/1471-2458-14-483. pii:1471-2458-14-483. pmc:PMC4042131. PMID:24884526. **FI: 2,321**

Fernández-San-Martín MI, Martín-López LM, Masa-Font R, Olona-Tabueña N, Roman Y, Martín-Royo J, Oller-Canet S, González-Tejón S, San-Emeterio L, Barroso-García A, Viñas-Cabrera L, Flores-Mateo G. The effectiveness of lifestyle interventions to reduce cardiovascular risk in patients with severe mental disorders: meta-analysis of intervention studies. *Community mental health journal*. 2014 Jan; 50(1):81-95. doi:10.1007/s10597-013-9614-6. PMID:23739948. **FI: 1,146**

Flores-Mateo G, Elosua R, Rodríguez-Blanco T, Basora-Gallissà J, Bulló M, Salas-Salvadó J, Martínez-González MÁ, Estruch R, Corella D, Fitó M, Fiol M, Arós F, Gómez-Gracia E, Subirana I, Lapetra J, Ruiz-Gutiérrez V, Sáez GT, Covas MI. Oxidative stress is associated with an increased antioxidant defense in elderly subjects: a multilevel approach. *PloS One*. 2014 ; 9(9):e105881. doi:10.1371/journal.pone.0105881. pii:PONE-D-13-49621. pmc:PMC4182040. PMID:25269026. **FI: 3,534**

Ortega-Azorín C, Sorlí JV, Estruch R, Asensio EM, Coltell O, González JI, Martínez-González MÁ, Ros E, Salas-Salvadó J, Fitó M, Arós F, Lapetra J, Serra-Majem L, Ruiz-Gutiérrez V, Gómez-Gracia E, Fiol M, Flores G, Pintó X, Saiz C, Ordovás JM, Corella D. Amino acid change in the carbohydrate response element binding protein is associated with lower triglycerides and myocardial infarction incidence depending on level of adherence to the Mediterranean diet in the PREDIMED trial. *Circulation. Cardiovascular genetics*. 2014 Feb; 7(1):49-58. doi:10.1161/CIRCGENETICS.113.000301. pii:CIRCGENETICS.113.000301. PMID:24448738. **FI: 6,105**

Violan C, Foguet-Boreu Q, Flores-Mateo G, Salisbury C, Blom J, Freitag M, Glynn L, Muth C, Valderas JM. Prevalence, determinants and patterns of multimorbidity in primary care: a systematic review of observational studies. *PloS one*. 2014 ; 9(7):e102149. doi:10.1371/journal.pone.0102149. pii:PONE-D-14-06227. pmc:PMC4105594. PMID:25048354. **FI: 3,534**

## Indicators

|                                                                                   |              |
|-----------------------------------------------------------------------------------|--------------|
| Researchers with PhD                                                              | 3            |
| Total number of projects in which group members have participated                 | 5            |
| Total number of projects in which the PI of the project has belonged to the group | 1            |
| Total Funding                                                                     | 218.052,11 € |
| Scientific publications in indexed journals                                       | 5            |
| Total Impact factor                                                               | 16,64        |
| Nº of articles in Q1 journals                                                     | 2            |
| Q1 IF                                                                             | 7,068        |
| Nº of articles in Q2 journals                                                     | 1            |
| Q2 IF                                                                             | 2,321        |

## Research Area: Life Style

### Research Group: Life Style

The outstanding characteristics of this group are its multidisciplinary, with professionals from family medicine, nursing, physical education and physiotherapy, and its territorial diversity, with professionals from three different areas of the Catalan Health Service (ICS) and three Catalan universities. It participates in the ISCIII-accredited redIAPP network through the CARDIOCAT group.

Its principal objective, as the name indicates, is lifestyle research, particularly its various research projects investigating assistance for smokers, the promotion of physical activity and the effects of lifestyle on health, and above all cardiovascular pathology. It has also initiated a line of research into traffic injury prevention and the influence of lifestyle (consumption of alcohol and psychoactive substances) and other health factors (chronic pathologies and use of medicines)..

*Lines: Smoking: epidemiology, health effects and therapeutic approach Physical activity: aspects related to cardiovascular disease, ageing and fragility and bone and joint health Prevention of road-accident injuries: preventive measures and Health promotion Other health-related lifestyle factors, especially diet and an integrated health and social services approach.*

### Group Leader

Martin Cantera, Carlos



### Researchers

Ballvé Moreno, José Luis  
Díaz Gete, Laura  
Giné Garriga, Maria  
Granollers Mercade, Silvia  
Martin Borràs, Carme  
Martínez Ramos, Elena  
Pérez Tortosa, Santiago  
Puig Ribera, Anna  
Puigdomènech Puig, Elisa  
Roig Remon, Lydia  
Romaguera Bosch, Montserrat  
Solà Gonfaus, Mercè

### Research Projects

**IP:** Carrillo Muñoz, Ricard. *Eficacia de la maniobra de Epley realizada en atención primaria para tratar el vértigo posicional paroxístico benigno.* Funding: Instituto de Salud Carlos III. Duration: 2014 - 2017

**IP:** Segura Noguera, Josep M<sup>a</sup>. *Efectividad de una intervención multifactorial para la modificación de parámetros de fragilidad en población anciana: Estudio FRAGILITY.* Funding: Departament de Salut. Duration: 2014 - 2016

**IP:** Roig Remon, Lydia. *Nou punt de tall del quocient FEV1/FEV6 mesurat amb el Vitalograph COPD6 pel cribatge de la MPOC en atenció primària.* Funding: Fundació d'Atenció Primària (CAMFiC). Duration: 2014 - 2016

**IP:** Martin Cantera, Carlos. *Evaluación de la eficacia de una intervención basada en la disminución de las horas de sedestación en pacientes con sobrepeso u obesidad moderada (proyecto SEDESTATIV). Ensayo clínico aleatorio controlado.* Funding: Universidad Europea de Madrid S.L.U. Duration: 2014 - 2016

**IP:** Romera Liébana, Laura. *Efectivitat d'una intervenció multifactorial per a la modificació de paràmetres de fragilitat en la població gran.* Funding: Fundacio Privada Mutuam Conviure. Duration: 2013 - 2016

**IP:** Martin Cantera, Carlos. *Efectividad del uso de una herramienta móvil añadida a una intervención estándar en la mejora de estilos de vida saludables. Ensayo clínico aleatorizado. Estudio EVIDENT II.* Funding: Instituto de Salud Carlos III. Duration: 2013 - 2016

- IP:** Violan Fors, Concepció. Dronedarone utilization study in Catalonia, Spain, using SIDIAP database. Funding: Sanofi Aventis, S.A. Duration: 2013 - 2016
- IP:** Ballvé Moreno, José Luis. Ensayo clínico sobre la eficacia de la maniobra de Epley combinada con betahistina en el tratamiento del vértigo posicional benigno del canal posterior. Funding: Red Española de Atención Primaria (REAP). Duration: 2013 - 2016
- IP:** Tamayo Ojeda, Carmen. Adherència a les recomanacions de les guies de pràctica clínica en la prevenció secundària de la malaltia cerebrovascular: factors relacionats amb els pacients i amb els professionals. Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2016
- IP:** Martin Cantera, Carlos. Efectividad del uso de una herramienta móvil añadida a una intervención estándar en la mejora de estilos de vida saludables. Ensayo clínico aleatorizado. Estudio EVIDENT II. Funding: Fundació Acadèmia de les Ciències Mèdiques. Duration: 2014 - 2015
- IP:** Martínez Ramos, Elena. Evaluación de la efectividad de una intervención basada en la disminución de las horas de sedestación en pacientes con sobrepeso u obesidad moderada (proyecto SEDESTACTIV). Ensayo clínico aleatorio controlado. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015
- IP:** Díaz Gete, Laura. Efectividad de una intervención con seguimiento por correo electrónico del abandono sostenido del tabaquismo (Estudio TABATIC). Ensayo clínico aleatorizado controlado multicéntrico. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015
- IP:** Violan Fors, Concepció. Tabaquismo y Atención Primaria: relación entre el nivel macro (política sanitaria) y micro (atención primaria). Consecuencias de la Ley 42/2010 en los centros de salud. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015
- IP:** Díaz Gete, Laura. Efectividad de una intervención con seguimiento por correo electrónico del abandono sostenido del tabaquismo (Estudio TABATIC). Ensayo clínico aleatorizado controlado multicéntrico. Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2014
- IP:** Martin Cantera, Carlos. Efectivitat d'una intervenció per reduir la conducció sota els efectes de l'alcohol entre conductors. Prova pilot. Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2014
- IP:** Segura Noguera, Josep M<sup>a</sup>. Efectividad de una intervención multifactorial para la modificación de parámetros de fragilidad en población anciana: Estudio FRAGILITY. Funding: Laboratorios Dr. Esteve, S.A. Duration: 2013 - 2014

## Articles

- Ballvé Moreno JL, Carrillo Muñoz R, Villar Balboa I, Rando Matos Y, Arias Agudelo OL, Vasudeva A, Bigas Aguilera O, Almeda Ortega J, Capella Guillén A, Buitrago Olaya CJ, Monteverde Curto X, Rodero Perez E, Rubio Ripollès C, Sepulveda Palacios PC, Moreno Farres N, Hernández Sánchez AM, Martin Cantera C, Azagra Ledesma R. Effectiveness of the Epley's maneuver performed in primary care to treat posterior canal benign paroxysmal positional vertigo: study protocol for a randomized controlled trial. *Trials*. 2014; 15:179. doi:10.1186/1745-6215-15-179. pii:1745-6215-15-179. pmc:PMC4043960. PMID:24886338. **FI: 2,117**
- Bort-Roig J, Martin M, Puig-Ribera A, González-Suárez ÁM, Martínez-Lemos I, Martori JC, Gilson ND. Uptake and factors that influence the use of 'sit less, move more' occupational intervention strategies in Spanish office employees. *The international journal of behavioral nutrition and physical activity*. 2014; 11:152. doi:10.1186/s12966-014-0152-6. pii:s12966-014-0152-6. pmc:PMC4266209. PMID:25490857. **FI: 3,675**
- Codern-Bové N, Pujol-Ribera E, Pla M, González-Bonilla J, Granollers S, Ballvé JL, Fanlo G, Cabezas C. Motivational interviewing interactions and the primary health care challenges presented by smokers with low motivation to stop smoking: a conversation analysis. *BMC public health*. 2014; 14:1225. doi:10.1186/1471-2458-14-1225. pii:1471-2458-14-1225. pmc:PMC4289187. PMID:25427643. **FI: 2,321**
- Cuesta-Vargas A, Giné-Garriga M. Development of a new index of balance in adults with intellectual and developmental disabilities. *PloS One*. 2014; 9(5):e96529. doi:10.1371/journal.pone.0096529. pii:PONE-D-13-55069. pmc:PMC4008604. PMID:24789336. **FI: 3,534**
- García-Ortiz L, Recio-Rodríguez JI, Puig-Ribera A, Lema-Bartolomé J, Ibáñez-Jalón E, González-Viejo N, Guenaga-Saenz N, Agudo-Conde C, Patino-Alonso MC, Gomez-Marcos MA. Blood pressure circadian pattern and physical exercise assessment by accelerometer and 7-day physical activity recall scale. *American journal of hypertension*. 2014 May; 27(5):665-73. doi:10.1093/ajh/hpt159. pii:hpt159. PMID:23975330. **FI: 3,402**

García-Ortiz L, Recio-Rodríguez JI, Schmidt-Trucksäss A, Puigdomenech-Puig E, Martínez-Vizcaino V, Fernández-Alonso C, Rubio-Galan J, Agudo-Conde C, Patino-Alonso MC, Rodríguez-Sánchez E, Gómez-Marcos MA. Relationship between objectively measured physical activity and cardiovascular aging in the general population-the EVIDENT trial. *Atherosclerosis*. 2014 Apr; 233(2):434-40. doi:10.1016/j.atherosclerosis.2014.01.021. pii:S0021-9150(14)00046-X. PMID:24530775. **FI: 3,971**

Giné-Garriga M, Roqué-Fíguls M, Coll-Planas L, Sitjà-Rabert M, Salvà A. Physical exercise interventions for improving performance-based measures of physical function in community-dwelling, frail older adults: a systematic review and meta-analysis. *Archives of physical medicine and rehabilitation*. 2014 Apr; 95(4):753-769.e3. doi:10.1016/j.apmr.2013.11.007. pii:S0003-9993(13)01213-6. PMID:24291597. **FI: 2,441**

Gómez MA, Recio JI, Patino C, Agudo C, Fernández C, Martínez V, Martín C, García L. Electrocardiographic left ventricular hypertrophy criteria and ambulatory blood pressure monitoring parameters in adults. *Iberoamerican J Hypertension*. 2014;27(3):355-362.

Gómez-Marcos MA, Recio-Rodríguez JI, Patino-Alonso MC, Agudo-Conde C, Fernandez-Alonso C, Martinez Vizcaino V, Cantera CM, Guenaga-Saenz N, González-Viejo N, García-Ortiz L. Electrocardiographic left ventricular hypertrophy criteria and ambulatory blood pressure monitoring parameters in adults. *American journal of hypertension*. 2014 Mar; 27(3):355-62. doi:10.1093/ajh/hpt198. pii:hpt198. PMID:24190901. **FI: 3,402**

Gomez-Marcos MA, Recio-Rodríguez JI, Patino-Alonso MC, Martinez-Vizcaino V, Martin-Borras C, de-la-Cal-Dela-Fuente A, Sauras-Llera I, Sanchez-Perez A, Agudo-Conde C, García-Ortiz L. Relationship between physical activity and plasma fibrinogen concentrations in adults without chronic diseases. *PloS one*. 2014 ; 9(2):e87954. doi:10.1371/journal.pone.0087954. pii:PONE-D-13-39860. pmc:PMC3912191. PMID:24498413. **FI: 3,534**

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Pérez K, Seguí-Gómez M, Arrufat V, Barberia E, Cabeza E, Cirera E, Gil M, Martín C, Novoa AM, Olabarria M, Lardelli P, Suelves JM, Santamariña-Rubio E. Definition of hospital discharge, serious injury and death from traffic injuries. *Gaceta sanitaria / S.E.S.P.A.S.* 2014 May-Jun; 28(3):242-5. doi:10.1016/j.gaceta.2013.10.006. pii:S0213-9111(13)00195-7. PMID:24365522. **FI: 1,250**

## Indicators

|                                                                                   |              |
|-----------------------------------------------------------------------------------|--------------|
| Researchers with PhD                                                              | 4            |
| Total number of projects in which group members have participated                 | 16           |
| Total number of projects in which the PI of the project has belonged to the group | 9            |
| Total Funding                                                                     | 497.144,31 € |
| Scientific publications in indexed journals                                       | 11           |
| Total Impact factor                                                               | 31,97        |
| Nº of articles in Q1 journals                                                     | 5            |
| Q1 IF                                                                             | 17,155       |
| Nº of articles in Q2 journals                                                     | 4            |
| Q2 IF                                                                             | 11,446       |



## Research Group: NUSCO (Community Nutrition and Health)

The group is made up of various professionals and researchers from Tarragona-Reus Research Support Unit who work in collaboration with the Pere Virgili Health Institute, participate in the ISCIII-accredited PREDIMED network and carry out different activities prioritised by the Public Health Agency of Baix Camp.

Their main objective is research related with nutrition and other lifestyles.

*Lines: Community intervention programs in health education about eating and other lifestyles. Nutritional condition and physical health: validation of instruments for measuring food intake. Strategies for participative research in multi-cultural population nuclei with socio-economic difficulties. Prevalence of risk factors among teenage school children. Nutritional deficiencies and the risk it represents among certain vulnerable groups.*

### Group Leader

Arija Val, Victoria



### Researchers

Basora Gallisà, Josep  
Flores Mateo, Gemma  
Pedret Llaberia, Maria Roser  
Poblet Calaf, Carmina

### Research Projects

**IP:** Sorlí Aguilar, Mar. *ESTUDIO DIET: Ensayo clínico multicéntrico y aleatorizado para valorar la relación entre la función pulmonar y la adherencia a una dieta de tipo mediterránea.* Funding: ICS - Institut Català de la Salut. Duration: 2014 - 2017

**IP:** Satué Gracia, Eva María. *Eficacia de una aplicación para dispositivos móviles para mejorar la adherencia a dieta y ejercicio en adultos con sobrepeso y obesidad. Ensayo clínico aleatorizado.* Funding: IDIAP Jordi Gol. Duration: 2014 - 2016

**IP:** Rey Reñones, Cristina. *Eficacia de una aplicación para dispositivos móviles en la deshabituación de tabaco en jóvenes (Smart\_Smoke): Ensayo clínico aleatorizado por conglomerados.* Funding: Instituto de Salud Carlos III. Duration: 2013 - 2016

**IP:** Aragonès Benaiges, Enric. *Avaluació del risc cardiovascular associat als diferents fenotips clínics de la síndrome metabòlica i dels risc addicional associat a la presència de depressió/ansietat.* Funding: IDIAP Jordi Gol. Duration: 2014 - 2015

**IP:** Martín Luján, Francisco. *Ensayo clínico aleatorizado y multicéntrico para evaluar la eficacia de una intervención motivacional contra el tabaquismo basada en la información obtenida en una espirometría realizada en Atención Primaria.* Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015

**IP:** Arija Val, Victoria. *Efectividad de la adaptación de la dosis de suplementación con hierro en el embarazo sobre la salud materno-filial. Ensayo Clínico Aleatorizado.* Funding: Universitat Rovira i Virgili. Duration: 2013 - 2014

**IP:** Marzo Castillejo, Maria Merce. *The effect of consumption of kiwi fruit on constipation in adults.* Funding: SEMFyC. Duration: 2013 - 2014

## Articles

Abril-Ulloa V, Flores-Mateo G, Solà-Alberich R, Manuel-y-Keenoy B, Aija V. Ferritin levels and risk of metabolic syndrome: meta-analysis of observational studies. *BMC public health*. 2014 ; 14:483. doi:10.1186/1471-2458-14-483. pii:1471-2458-14-483. pmc:PMC4042131. PMID:24884526. **FI: 2,321**

Aparicio-Llopis E, Canals J, Aija V. Dietary intake according to the course of symptoms of eating disorders in a school-based follow-up study of adolescents. *European eating disorders review: the journal of the Eating Disorders Association*. 2014 Nov; 22(6):412-22. doi:10.1002/erv.2316. PMID:25154496. **FI: 2,252**

Aragonès E, López-Muntaner J, Ceruelo S, Basora J. Reinforcing stigmatization: coverage of mental illness in Spanish newspapers. *Journal of health communication*. 2014 ; 19(11):1248-58. doi:10.1080/10810730.2013.872726. PMID:24708534. **FI: 1,869**

Aija V, Fargas F, March G, Abajo S, Basora J, Canals J, Ribot B, Aparicio E, Serrat N, Hernández-Martínez C, Aranda N. Adapting iron dose supplementation in pregnancy for greater effectiveness on mother and child health: protocol of the ECLIPSES randomized clinical trial. *BMC pregnancy and childbirth*. 2014 ; 14:33. doi:10.1186/1471-2393-14-33. pii:1471-2393-14-33. pmc:PMC3898489. PMID:24438754.

Aija V, Fernández-Cao JC, Basora J, Bulló M, Aranda N, Estruch R, Martínez-González MA, Salas-Salvadó J. Excess body iron and the risk of type 2 diabetes mellitus: a nested case-control in the PREDIMED (PREvention with ME-Diterranean Diet) study. *The British journal of nutrition*. 2014 Dec; 112(11):1896-904. doi:10.1017/S0007114514002852. pii:S0007114514002852. PMID:25322842. **FI: 3,342**

Babio N, Toledo E, Estruch R, Ros E, Martínez-González MA, Castañer O, Bulló M, Corella D, Arós F, Gómez-Gracia E, Ruiz-Gutiérrez V, Fiol M, Lapetra J, Lamuela-Raventós RM, Serra-Majem L, Pintó X, Basora J, Sorlí JV, Salas-Salvadó J. Mediterranean diets and metabolic syndrome status in the PREDIMED randomized trial. *CMAJ: Canadian Medical Association journal = journal de l'Association medicale canadienne*. 2014 Nov; 186(17):E649-57. doi:10.1503/cmaj.140764. pii:cmaj.140764. pmc:PMC4234734. PMID:25316904. **FI: 5,808**

Becerra-Tomás N, Estruch R, Bulló M, Casas R, Díaz-López A, Basora J, Fitó M, Serra-Majem L, Salas-Salvadó J. Increased serum calcium levels and risk of type 2 diabetes in individuals at high cardiovascular risk. *Diabetes care*. 2014 Nov; 37(11):3084-91. doi:10.2337/dc14-0898. pii:dc14-0898. PMID:25139884. **FI: 8,570**

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Fernández-San-Martín MI, Martín-López LM, Masa-Font R, Olona-Tabueña N, Roman Y, Martín-Royo J, Oller-Canet S, González-Tejón S, San-Emeterio L, Barroso-García A, Viñas-Cabrera L, Flores-Mateo G. The effectiveness of lifestyle interventions to reduce cardiovascular risk in patients with severe mental disorders: meta-analysis of intervention studies. *Community mental health journal*. 2014 Jan; 50(1):81-95. doi:10.1007/s10597-013-9614-6. PMID:23739948. **FI: 1,146**

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Guasch-Ferré M, Hu FB, Martínez-González MA, Fitó M, Bulló M, Estruch R, Ros E, Corella D, Recondo J, Gómez-Gracia E, Fiol M, Lapetra J, Serra-Majem L, Muñoz MA, Pintó X, Lamuela-Raventós RM, Basora J, Buil-Cosiales P, Sorlí JV, Ruiz-Gutiérrez V, Martínez JA, Salas-Salvadó J. Olive oil intake and risk of cardiovascular disease and mortality in the PREDIMED Study. *BMC medicine*. 2014 ; 12:78. doi:10.1186/1741-7015-12-78. pii:1741-7015-12-78. pmc:PMC4030221. PMID:24886626. **FI: 7,276**

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Marrugat J, Subirana I, Ramos R, Vila J, Marín-Ibañez A, Guembe MJ, Rigo F, Tormo Díaz MJ, Moreno-Iribas C, Cabré JJ, Segura A, Baena-Díez JM, de la Cámara AG, Lapetra J, Grau M, Quesada M, Medrano MJ, González Diego P, Frontera G, Gavrila D, Aicua EA, Basora J, García JM, García-Lareo M, Gutierrez JA, Mayoral E, Sala J, D'Agostino R, Elosua R. Derivation and validation of a set of 10-year cardiovascular risk predictive functions in Spain: the FRESCO Study. *Preventive medicine*. 2014 Apr; 61:66-74. doi:10.1016/j.ypmed.2013.12.031. pii:S0091-7435(14)00016-4. PMID:24412897. **FI: 2,932**

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Mejía-Lancheros C, Estruch R, Martínez-González MA, Salas-Salvadó J, Castañer O, Corella D, Arós F, Gómez-Gracia E, Fiol M, Lapetra J, Serra-Majem L, Pintó X, Ros E, Díez-Espino J, Basora J, Sorlí JV, Lamuela-Raventós RM, Ruiz-Gutiérrez V, Muñoz MÁ. Impact of psychosocial factors on cardiovascular morbimortality: a prospective cohort study. *BMC cardiovascular disorders*. 2014 ; 14:135. doi:10.1186/1471-2261-14-135. pii:1471-2261-14-135. pmc:PMC4195872. PMID:25280390. **FI: 2,021**

Ortega-Azorín C, Sorlí JV, Estruch R, Asensio EM, Coltell O, González JI, Martínez-González MÁ, Ros E, Salas-Salvadó J, Fitó M, Arós F, Lapetra J, Serra-Majem L, Ruiz-Gutiérrez V, Gómez-Gracia E, Fiol M, Flores G, Pintó X, Saiz C, Ordovás JM, Corella D. Amino acid change in the carbohydrate response element binding protein is associated with lower triglycerides and myocardial infarction incidence depending on level of adherence to the Mediterranean diet in the PREDIMED trial. *Circulation. Cardiovascular genetics*. 2014 Feb; 7(1):49-58. doi:10.1161/CIRCGENETICS.113.000301. pii:CIRCGENETICS.113.000301. PMID:24448738. **FI: 6,105**

Ribot B, Isern R, Hernández-Martínez C, Canals J, Aranda N, Arijá V. Effects of tobacco habit, second-hand smoking and smoking cessation during pregnancy on newborn's health. *Medicina clínica*. 2014 Jul; 143(2):57-63. doi:10.1016/j.medcli.2013.09.040. pii:S0025-7753(13)00788-4. PMID:24361155. **FI: 1,252**

Tarro L, Llauradó E, Albaladejo R, Moriña D, Arijá V, Solà R, Giral M. A primary-school-based study to reduce the prevalence of childhood obesity--the EdAl (Educació en Alimentació) study: a randomized controlled trial. *Trials*. 2014; 15:58. doi:10.1186/1745-6215-15-58. pii:1745-6215-15-58. pmc:PMC3926975. PMID:24529258. **FI: 2,117**

Tresserra-Rimbau A, Rimm EB, Medina-Remón A, Martínez-González MA, de la Torre R, Corella D, Salas-Salvadó J, Gómez-Gracia E, Lapetra J, Arós F, Fiol M, Ros E, Serra-Majem L, Pintó X, Saez GT, Basora J, Sorlí JV, Martínez JA, Vinyoles E, Ruiz-Gutiérrez V, Estruch R, Lamuela-Raventós RM. Inverse association between habitual polyphenol intake and incidence of cardiovascular events in the PREDIMED study. *Nutrition, metabolism, and cardiovascular diseases: NMCD*. 2014 Jun; 24(6):639-47. doi:10.1016/j.numecd.2013.12.014. pii:S0939-4753(14)00008-8. PMID:24552647. **FI: 3,875**

Vicens C, Bejarano F, Sempere E, Mateu C, Fiol F, Socías I, Aragonès E, Palop V, Beltran JL, Piñol JL, Lera G, Folch S, Mengual M, Basora J, Esteva M, Llobera J, Roca M, Gili M, Leiva A. Comparative efficacy of two interventions to discontinue long-term benzodiazepine use: cluster randomised controlled trial in primary care. *The British journal of psychiatry: the journal of mental science*. 2014 Jun; 204(6):471-9. doi:10.1192/bjp.bp.113.134650. pii:bjp.bp.113.134650. PMID:24526745. **FI: 7,343**

Violan C, Foguet-Boreu Q, Flores-Mateo G, Salisbury C, Blom J, Freitag M, Glynn L, Muth C, Valderas JM. Prevalence, determinants and patterns of multimorbidity in primary care: a systematic review of observational studies. *PloS one*. 2014 ; 9(7):e102149. doi:10.1371/journal.pone.0102149. pii:PONE-D-14-06227. pmc:PMC4105594. PMID:25048354. **FI: 3,534**

Voltas N, Hernández-Martínez C, Arijá V, Aparicio E, Canals J. A prospective study of paediatric obsessive-compulsive symptomatology in a Spanish community sample. *Child psychiatry and human development*. 2014 Aug; 45(4):377-87. doi:10.1007/s10578-013-0408-4. PMID:24077908. **FI: 1,633**

## Indicators

|                                                                                   |              |
|-----------------------------------------------------------------------------------|--------------|
| Researchers with PhD                                                              | 2            |
| Total number of projects in which group members have participated                 | 7            |
| Total number of projects in which the PI of the project has belonged to the group | 1            |
| Total Funding                                                                     | 154.891,55 € |
| Scientific publications in indexed journals                                       | 20           |
| Total Impact factor                                                               | 78,28        |
| Nº of articles in Q1 journals                                                     | 11           |
| Q1 IF                                                                             | 55,193       |
| Nº of articles in Q2 journals                                                     | 4            |
| Q2 IF                                                                             | 9,548        |

## Research Area: Mental Health

### **Research Group: GRAPISAM (Primary Care and Mental health Research Group)**

This research group is made up of professionals and researchers from primary health care in south metropolitan Barcelona and the Parc Sanitari Joan de Deu and it participates in the mental Health area of the ISCIII-accredited redIAPP network.

Its main focus is research related to mental pathologies in primary health care, and it participates in projects related to epidemiology (determination of prevalence, incapacity and needs of patients with mental disorders in primary health care), the analysis of the effectiveness of treatment (evaluation of the effectiveness of anti-depressants and the description of the patterns of treatment in primary health care), and finally the evaluation of the suitability of these treatments and the improvement of the quality of life of patients with mental disorders.

*Lines: Most beneficial treatments (reduction of symptoms, improvement of quality of life) Prevalence of mental disorders in primary health care. Evaluation of the economic costs of mental illness in different areas.*

### **Group Leader**

Peñarrubia María, M<sup>a</sup> Teresa



### **Researchers**

Blancafort Sanso, Xavier  
Blanco García, M. Elena  
Cardenosa Valera, Eugenia  
Fernández Sánchez, Ana  
Fernández Vergel, Rita  
Jové Massó, Ana Maria  
Louro Fraga, Tamara  
Luciano Devis, Juan Vicente  
Mendive Arbeloa, Juan Manuel  
Rubio Valera, Maria  
Serrano Blanco, Antoni  
Torres Rodríguez, Annabell Cristina  
Verduras Rubio, M<sup>a</sup> del Camino

### **Research Projects**

**IP:** Bellon Saameño, Juan Angel. *Factores del profesional, paciente, genéticos y su interacción asociados al éxito terapéutico de una intervención para prevenir la depresión mayor en atención primaria: estudio cuali-cuantitativo (predictD-EVAL).* Funding: Instituto de Salud Carlos III. Duration: 2013 - 2017

**IP:** Flor Escriche, Xavier. *PAquete Mínimo para el Asma (PAMA). Abordaje desde Atención Primaria.* Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2017

**IP:** Bellon Saameño, Juan Angel. *Factores del profesional, paciente, genéticos y su interacción asociados al éxito terapéutico de una intervención para prevenir la depresión mayor en atención primaria: estudio cuali-cuantitativo (predictD-EVAL).* Funding: Junta de Andalucía. Duration: 2013 - 2016

**IP:** Bolívar Ribas, Bonaventura. *Diseño de una intervención compleja multiriesgo en Atención Primaria para fomentar conductas promotoras de salud en la población de 45 a 75 años: ensayo clínico exploratorio multicéntrico.* Funding: Instituto de Salud Carlos III. Duration: 2013 - 2016

**IP:** Serrano Blanco, Antoni. *Necesidades insatisfechas en ancianos que ingresan por primera vez en una Unidad de Agudos de Psiquiatría: Relación con calidad de vida y uso de recursos sanitarios y sociales*. Funding: Duration: 2013 - 2015

**IP:** Serrano Blanco, Antoni. *Coste-efectividad de una intervención no farmacológica vs farmacológica (Fluoxetina, Escitalopram o Venlafaxina) en depresión mayor en Atención Primaria Española. (Estudio INFAP)*. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015

**IP:** Blancafort Sanso, Xavier. *Prova pilot per mesurar l'efectivitat d'un programa de formació específic per millorar el maneig de malestar psicològic*. Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2014

**IP:** Mendive Arbeloa, Juan Manuel. *Suport social i el seu impacte a la salut en el barri de la Mina: creació d'una cohort poblacional*. Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2014

**IP:** Luciano Devis, Juan Vicente. *Subtipos clínicos en fibromialgia y estrategias cognitivas de regulación emocional: Un estudio multicéntrico implementado en Atención Primaria*. Duration: 2012 - 2014

**IP:** Serrano Blanco, Antoni. *A Computational Distributed System to Support the Treatment of Patients with Major Depression*. Funding: European Commission. Duration: 2011 - 2014

**IP:** García Campayo, Javier. *Eficacia y coste-efectividad de un programa de psicoterapia asistida por ordenador en el tratamiento de la depresión mayor en atención primaria: estudio controlado randomizado*. Funding: Instituto de Salud Carlos III. Duration: 2011 - 2014

## Articles

Bellón JA, Moreno-Peral P, Moreno-Küstner B, Motrico E, Aiarzagüena JM, Fernández A, Fernández-Alonso C, Montón-Franco C, Rodríguez-Bayón A, Ballesta-Rodríguez MI, Runte-Geidel A, Rüntel-Geidel A, Payo-Gordón J, Serrano-Blanco A, Oliván-Blázquez B, Araujo L, Muñoz-García Mdel M, King M, Nazareth I, Amezcua M. Patients' opinions about knowing their risk for depression and what to do about it. The predictD-qualitative study. *PloS one*. 2014 ; 9(3):e92008. doi:10.1371/journal.pone.0092008. pii:PONE-D-13-37297. pmc:PMC3960156. PMID:24646951.

**FI: 3,534**

Bellón JA, Moreno-Peral P, Motrico E, Rodríguez-Morejón A, Fernández A, Serrano-Blanco A, Zabaleta-Del-Olmo E, Conejo-Cerón S. Effectiveness of psychological and/or educational interventions to prevent the onset of episodes of depression: A systematic review of systematic reviews and meta-analyses. *Preventive medicine*. 2014 Nov; doi:10.1016/j.ypmed.2014.11.003. pii:S0091-7435(14)00414-9. PMID:25445331. **FI: 2,932**

Cardeñoso E, Peñarribia MT, Fernández R. Quadre confusional agut secundari a intoxicació digitalica. *Butlletí de la CAMFIC*. 2014;32(1):5.

Cuesta-Vargas A, Farasyn A, Gabel CP, Luciano JV. The mechanical and inflammatory low back pain (MIL) index: development and validation. *BMC Musculoskelet Disord*. 2014;15:12. PMID:24405779. **FI: 1,898**

Fernandez A, Moreno-Peral P, Zabaleta-Del-Olmo E, Bellon JA, Aranda-Regules JM, Luciano JV, Serrano-Blanco A, Rubio-Valera M. Is there a case for mental health promotion in the primary care setting? A systematic review. *Preventive medicine*. 2014 Dec; doi:10.1016/j.ypmed.2014.11.019. pii:S0091-7435(14)00462-9. PMID:25475684. **FI: 2,932**

Fernandez A, Salinas-Perez JA, Gutierrez-Colosia MR, Prat-Pubill B, Serrano-Blanco A, Molina C, Jorda E, Garcia-Alonso CR, Salvador-Carulla L. Use of an integrated Atlas of Mental Health Care for evidence informed policy in Catalonia (Spain). *Epidemiology and psychiatric sciences*. 2014 Sep; doi:10.1017/S2045796014000511. pii:S2045796014000511. PMID:25226091. **FI: 3,362**

Huerta-Ramos E, Iniesta R, Ochoa S, Cobo J, Miquel E, Roca M, Serrano-Blanco A, Teba F, Usall J. Effects of raloxifene on cognition in postmenopausal women with schizophrenia: a double-blind, randomized, placebo-controlled trial. *European neuropsychopharmacology: the journal of the European College of Neuropsychopharmacology*. 2014 Feb; 24(2):223-31. doi:10.1016/j.euroneuro.2013.11.012. pii:S0924-977X(13)00343-X. PMID:24342775. **FI: 5,395**

Jové AM, Fernández A, Hughes C, Guillén-Solà M, Rovira M, Rubio-Valera M. Perceptions of collaboration between general practitioners and community pharmacists: findings from a qualitative study based in Spain. *Journal of interprofessional care*. 2014 Jul; 28(4):352-7. doi:10.3109/13561820.2014.898621. PMID:24625196. **FI: 1,399**

Luciano JV, Barrada JR, Aguado J, Osma J, García-Campayo J. Bifactor analysis and construct validity of the HADS: a cross-sectional and longitudinal study in fibromyalgia patients. *Psychological assessment*. 2014 Jun; 26(2):395-406. doi:10.1037/a0035284. pii:2013-42121-001. PMID:24295235. **FI: 2,840**

Luciano JV, D Amico F, Cerdà-Lafont M, Peñarrubia-María MT, Knapp M, Cuesta-Vargas AI, Serrano-Blanco A, García-Campayo J. Cost-utility of cognitive behavioural therapy versus U.S. food and drug administration recommended drugs and usual care in the treatment of patients with fibromyalgia: an economic evaluation alongside a 6-month randomised controlled trial. *Arthritis Res Ther*. 2014;16(5):451. PMID:25270426. **FI: 4,271**

Luciano JV, Guallar JA, Aguado J, López-Del-Hoyo Y, Olivan B, Magallón R, Alda M, Serrano-Blanco A, Gili M, Garcia-Campayo J. Effectiveness of group acceptance and commitment therapy for fibromyalgia: a 6-month randomized controlled trial (EFFIGACT study). *Pain*. 2014 Apr; 155(4):693-702. doi:10.1016/j.pain.2013.12.029. pii:S0304-3959(13)00692-1. PMID:24378880. **FI: 5,836**

Moreno-Peral P, Conejo-Cerón S, Motrico E, Rodríguez-Morejón A, Fernández A, García-Campayo J, Roca M, Serrano-Blanco A, Rubio-Valera M, Bellón JÁ. Risk factors for the onset of panic and generalised anxiety disorders in the general adult population: a systematic review of cohort studies. *Journal of affective disorders*. 2014 Oct; 168:337-48. doi:10.1016/j.jad.2014.06.021. pii:S0165-0327(14)00382-6. PMID:25089514. **FI: 3,705**

Rubio-Valera M, Chen TF, O'Reilly CL. New roles for pharmacists in community mental health care: a narrative review. *Int J Environ Res Public Health*. 2014 Oct 21;11(10):10967-90. doi: 10.3390/ijerph111010967. Review. PubMed PMID: 25337943; PubMed Central PMCID: PMC4211017.

Rubio-Valera M, Pons-Vigués M, Martínez-Andrés M, Moreno-Peral P, Berenguera A, Fernández A. Barriers and facilitators for the implementation of primary prevention and health promotion activities in primary care: a synthesis through meta-ethnography. *PloS one*. 2014 ; 9(2):e89554. doi:10.1371/journal.pone.0089554. pii:PONE-D-13-37139. pmc:PMC3938494. PMID:24586867. **FI: 3,534**

Salvador-Carulla L, Fernandez A, Madden R, Lukersmith S, Colagiuri R, Torkfar G, Sturmberg J. Framing of scientific knowledge as a new category of health care research. *Journal of evaluation in clinical practice*. 2014 Dec; 20(6):1045-55. doi:10.1111/jep.12286. PMID:25421111. **FI: 1,580**

## Indicators

|                                                                                   |              |
|-----------------------------------------------------------------------------------|--------------|
| Researchers with PhD                                                              | 4            |
| Total number of projects in which group members have participated                 | 11           |
| Total number of projects in which the PI of the project has belonged to the group | 6            |
| Total Funding                                                                     | 471.388,78 € |
| Scientific publications in indexed journals                                       | 12           |
| Total Impact factor                                                               | 43,22        |
| Nº of articles in Q1 journals                                                     | 9            |
| Q1 IF                                                                             | 34,07        |
| Nº of articles in Q2 journals                                                     | 2            |
| Q2 IF                                                                             | 3,478        |



## Research Group: Mental Health Tarragona

This group is made up of various professionals and researchers from the Tarragona-Reus Research Support Unit, from primary health care in the Tarragona area and the Pere Mata Institute.

Its main focus is research into the handling of mental disorders in primary health care and, above all, the most frequent problem in mental health: depression.

*Lines: Depression: prevention, improvement and optimisation of diagnosis, therapeutic intervention.*

*Somatisation: improvement and optimisation of diagnosis and approach.*

### Group Leader

Aragonès Benaiges, Enric



### Researchers

Badia Rafecas, Walesca  
Bejarano Romero, Ferran  
Caballero Alías, Antonia  
Casaús Samatan, Pilar  
Folch Pujol, Sílvia  
Hernández Anguera, Josep M<sup>a</sup>  
Labad Alquezar, Antonio  
López Cortacans, Germán  
Mengual Miralles, Marta  
Piñol Moreso, Josep Lluís

### Research Projects

**IP:** Sorlí Aguilar, Mar. ESTUDIO DIET: *Ensayo clínico multicéntrico y aleatorizado para valorar la relación entre la función pulmonar y la adherencia a una dieta de tipo mediterránea.* Entitat finançadora: ICS - Institut Català de la Salut. Durada: 2014 - 2017

**IP:** Costa Pinel, Bernardo. *Early Prevention of Diabetes Complications in people with Hyperglycaemia in Europe.* Entitat finançadora: IDIAP Jordi Gol. Durada: 2013 - 2016

**IP:** Costa Pinel, Bernardo. *Early Prevention of Diabetes Complications in people with Hyperglycaemia in Europe.* Entitat finançadora: European Commission. Durada: 2011 - 2016

**IP:** Aragonès Benaiges, Enric. *Avaluació del risc cardiovascular associat als diferents fenotips clínics de la síndrome metabòlica i dels risc addicional associat a la presència de depressió/ansietat.* Entitat finançadora: IDIAP Jordi Gol. Durada: 2014 - 2015

**IP:** Martín Luján, Francisco. *Ensayo clínico aleatorizado y multicéntrico para evaluar la eficacia de una intervención motivacional contra el tabaquismo basada en la información obtenida en una espirometría realizada en Atención Primaria.* Entitat finançadora: Instituto de Salud Carlos III. Durada: 2012 - 2015

### Articles

Aragonès E, Caballero A, Piñol JL, López-Cortacans G. Persistence in the long term of the effects of a collaborative care programme for depression in primary care. *Journal of affective disorders.* 2014 Sep; 166:36-40. doi:10.1016/j.jad.2014.05.003. pii:S0165-0327(14)00275-4. PMID:25012408. **FI: 3,705**

Aragonès E, López-Cortacans G, Sánchez-Irso E, Piñol JL, Caballero A, Salvador-Carulla L, Cabaes J. Cost-effectiveness analysis of a collaborative care programme for depression in primary care. *Journal of affective disorders.* 2014 Apr; 159:85-93. doi:10.1016/j.jad.2014.01.021. pii:S0165-0327(14)00049-4. PMID:24679395. **FI: 3,705**

Aragonès E, López-Muntaner J, Ceruelo S, Basora J. Reinforcing stigmatization: coverage of mental illness in Spanish newspapers. *Journal of health communication.* 2014; 19(11):1248-58. doi:10.1080/10810730.2013.872726.

PMID:24708534. **FI: 1,869**

López G. Dolor de larga evolución en 5º dedo mano izquierda. Med Fam Andal. 2014;15(1):103.

Perez R, Gens M, Hernández N, Anglès T, Pagès A, López G. Valoración ética de los contenidos de la videograba-  
ción: Una experiencia docente. SoMaMFyC. 2014;16(1):17-20.

Piñol JL. [SemFYC preparing for Horizon 2020]. Atención primaria / Sociedad Española de Medicina de Familia y Co-  
munitaria. 2014 Dec; 46(10):527-8. doi:10.1016/j.aprim.2014.10.002. pii:S0212-6567(14)00349-7. PMID:25458922. **FI: 0,894**

Salvador-Carulla L, Bendeck M, Ferrer M, Andión O, Aragonès E, Casas M. Cost of borderline personality disorder  
in Catalonia (Spain). European psychiatry: the journal of the Association of European Psychiatrists. 2014 Oct;  
29(8):490-7. doi:10.1016/j.eurpsy.2014.07.001. pii:S0924-9338(14)00138-2. PMID:25174269. **FI: 3,210**

Vicens C, Bejarano F, Sempere E, Mateu C, Fiol F, Socías I, Aragonès E, Palop V, Beltran JL, Piñol JL, Lera G, Folch  
S, Mengual M, Basora J, Esteve M, Llobera J, Roca M, Gili M, Leiva A. Comparative efficacy of two interventions  
to discontinue long-term benzodiazepine use: cluster randomised controlled trial in primary care. The British  
journal of psychiatry: the journal of mental science. 2014 Jun; 204(6):471-9. doi:10.1192/bjp.bp.113.134650. pii:bjp.  
bp.113.134650. PMID:24526745. **FI: 7,343**

## Indicators

|                                                                                   |              |
|-----------------------------------------------------------------------------------|--------------|
| Researchers with PhD                                                              | 4            |
| Total number of projects in which group members have participated                 | 5            |
| Total number of projects in which the PI of the project has belonged to the group | 1            |
| Total Funding                                                                     | 205.521,55 € |
| Scientific publications in indexed journals                                       | 7            |
| Total Impact factor                                                               | 20,73        |
| Nº of articles in Q1 journals                                                     | 5            |
| Q1 IF                                                                             | 19,832       |
| Nº of articles in Q2 journals                                                     | 0            |
| Q2 IF                                                                             |              |

## Research Group: TMS (Severe Mental Diseases Group)

Multidisciplinary team constituted by general practitioners, specialists in community and public health, psychiatrists and nurses. This group encompasses two levels of care: primary care teams and mental health referral centres from the Catalan Health Institute and the Institute for Neuropsychiatry and Addictions at the Hospital del Mar.

The main aim of the SMD Group is the study of patients suffering from severe mental disorders, which include: schizophrenia, bipolar, schizoaffective, obsessive compulsive, delusional and schizotypal disorders and other non-organic psychotic disorders, severe depressive episodes with psychotic symptoms and severe cases of recurrent depressive disorders. The definition of severe mental disorder is based on the diagnosis, duration and disability involved.

*Lines: Patients with Coordination between different levels of care in patients with severe mental disorders mental disorders. Coordination between different levels of care in patients with severe mental disorders.*

### Group Leader

Fernández Sanmartín, María Isabel



### Researchers

Barroso García, Alberto  
Casañas Sánchez, Rocío  
Díaz Mújica, Belen  
González Tejón, Susana  
Ibarra Jato, Montserrat  
Martín López, Luis Miguel  
Martín Royo, Jaume  
Masa Font, Roser  
Oller Canet, Silvia  
Olona Tabueña, Noemí  
Sanemeterio Echevarria, Luisa  
Tajada Vitales, Celia  
Viñas Cabrera, Lidia

### Research Projects

**IP:** Carrera Alfonso, Elisabet. Seguiment dels pacients amb oxigenoteràpia crònica domiciliària pels professionals d'Atenció Primària. Estudi ATDOM-O2. Funding: ICS - Institut Català de la Salut. Duration: 2014 - 2015

**IP:** Fuentes Camps, Eva Maria. Revisió Sistemàtica dels algoritmes diagnòstics de la Trombosi Venosa Profunda i la seva aplicabilitat a l'Atenció Primària de Salut. Funding: ICS - Institut Català de la Salut. Duration: 2014 - 2015

**IP:** Gonzalez Tejon, Susana. Fracturas de cadera en pacientes tratados con fármacos antipsicóticos. Estudio de cohortes retrospectivo en Cataluña. Funding: IDIAP Jordi Gol. Duration: 2014 - 2015

**IP:** Fernández San Martin, Maria Isabel. Efectividad de un programa de actividad física y dieta coordinado entre atención primaria y salud mental, para modificar factores de riesgo cardiovascular en pacientes esquizofrénicos o con trastorno bipolar. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015

**IP:** Orfila Pernas, Francesc. Seguiment als 7 anys d'una cohort de gent gran no institucionalitzada. Validació predictiva d'un instrument de detecció de fragilitat en l'atenció primària. Funding: Departament de Salut. Duration: 2012 - 2014

## Articles

Castro-Rodríguez JI, Olariu E, Garnier-Lacueva C, Martín-López LM, Pérez-Solà V, Alonso J, Forero CG. Diagnostic accuracy and adequacy of treatment of depressive and anxiety disorders: A comparison of primary care and specialized care patients. *Journal of affective disorders*. 2014 Oct; 172C:462-471. doi:10.1016/j.jad.2014.10.020. pii:S0165-0327(14)00642-9. PMID:25451451. **FI: 3,705**

Fernández-San-Martín MI, Martín-López LM, Masa-Font R, Olona-Tabueña N, Roman Y, Martín-Royo J, Oller-Canet S, González-Tejón S, San-Emeterio L, Barroso-García A, Viñas-Cabrera L, Flores-Mateo G. The effectiveness of lifestyle interventions to reduce cardiovascular risk in patients with severe mental disorders: meta-analysis of intervention studies. *Community mental health journal*. 2014 Jan; 50(1):81-95. doi:10.1007/s10597-013-9614-6. PMID:23739948. **FI: 1,146**

Senan Sanz MR, Gilaberte Calzada Y, Olona Tabueña N, Magallón Botaya R. Knowledge and prevention management of vitamin D deficiency in primary care. *Semergen / Sociedad Española de Medicina Rural y Generalista*. 2014 Jan-Feb; 40(1):18-26. doi:10.1016/j.semerg.2013.04.001. pii:S1138-3593(13)00094-4. PMID:23769706.

Senan Sanz MR, Olona Tabueña N, Magallón Botaya R, Gilaberte Calzada Y. Prevention of skin cancer: a task still to be addressed in primary care. *Atencion primaria / Sociedad Española de Medicina de Familia y Comunitaria*. 2014 Apr; 46(4):223-4. doi:10.1016/j.aprim.2013.08.006. pii:S0212-6567(13)00271-0. PMID:24246744. **FI: 0,894**

Vinyoles E, Cecilia M, García-Alfaro M, Vera M, Fernández-San Martín MI. To wait or not to wait 1 min between office blood pressure readings. *Blood pressure monitoring*. 2014 Aug; 19(4):203-7. doi:10.1097/MBP.0000000000000050. PMID:24847723. **FI: 1,179**

## Indicators

|                                                                                   |              |
|-----------------------------------------------------------------------------------|--------------|
| Researchers with PhD                                                              | 1            |
| Total number of projects in which group members have participated                 | 5            |
| Total number of projects in which the PI of the project has belonged to the group | 2            |
| Total Funding                                                                     | 101.722,06 € |
| Scientific publications in indexed journals                                       | 5            |
| Total Impact factor                                                               | 6,92         |
| Nº of articles in Q1 journals                                                     | 1            |
| Q1 IF                                                                             | 3,705        |
| Nº of articles in Q2 journals                                                     | 0            |
| Q2 IF                                                                             |              |

## Research Area: Musculoskeletal Diseases

### **Research Group:** GEPALAP (Study Group of Musculoskeletal Diseases in Primary Care)

This group is constituted mainly by primary care professionals of the National Health Service from the Baix Llobregat Primary Care Service of the Catalan Institute of Health (CHI). Since 2004, the GEPALAP Group has conducted research projects with the aim to improve the treatment of musculoskeletal diseases with physiotherapy and rehabilitation. In addition, three investigators of the Physiotherapy Research Unit of the Health Sciences University of Zaragoza and lecturers at the International University of Catalonia are also members of the GEPALAP research team. The main goal of this group is to advance the efficacy and effectiveness of physiotherapy and rehabilitation techniques in the treatment of musculoskeletal diseases and to evaluate and validate measurement instruments of the clinical variables.

*Lines: To evaluate the effectiveness of physiotherapy and rehabilitation in musculoskeletal diseases;  
To evaluate and validate measurement instruments of the clinical variables in musculoskeletal diseases.*

### **Group Leader**

Barra López, Martín Eusebio



### **Researchers**

Domene Guinart, Núria  
Fernández Jentsch, Gabriela  
González Rueda, Vanessa  
Gutiérrez Jurado, María Teresa  
Lapeira Viñeta, Mercè  
López de Celis, Carlos  
Raya de Càrdenas, Laura  
Villar Mateo, Edurne

### **Research Projects**

**IP:** Barra ME, Tricás JM, López C, Lucha MO, Estébanez E, González V, Villar E. La posición de sedestación. Una revisión de la bibliografía. Cuestiones de Fisioterapia. 2014;43(2):136-148.

## Research Group: GREMPAL (Primary Care Research Group in Common Disorders of the Musculoskeletal System)

The CDMSRG resulted from the initiative of general practitioners from the primary care region Barcelona Litoral and Dreta de l'Eixample, in collaboration with the Bone and Joint Pathophysiology Research Unit of the IMIM-Parc de Salut Mar. From 2009 the group collaborates with the Epidemiology Unit of the Orthopaedics, Rheumatology and Musculoskeletal Sciences at the University of Oxford. The group aims to study the risk factors of the most common musculoskeletal disorders (osteoporosis and osteoarthritis) from a primary care perspective and the effectiveness of the treatments currently available.

*Lines: Epidemiology of the most frequent diseases of the musculoskeletal system in primary care: osteoarthritis and osteoporosis, Epidemiology of the adherence to the most common treatments for musculoskeletal disorders, Pharmaco-epidemiology and potential new uses for these treatments, Patient-reported outcomes of hip and knee arthroplasty as a treatment for osteoarthritis, Epidemiology of other disorders of the musculoskeletal system from a primary care perspective.*

### Group Leader

Prieto Alhambra, Daniel



### Researchers

Carbonell Abellà, Cristina  
Martínez Laguna, Daniel  
Nogués Solan, Xavier  
Pagès Castella, Aina  
Soria Castro, Alberto

### Research Projects

**IP:** Prieto Alhambra, Daniel. Multinational database cohort study to assess RMP specified safety outcomes in association with indacaterol/glycopyrronium bromide in Europe. Funding: Synapse Research Management Partners, S.L. Duration: 2014 - 2019

**IP:** Prieto Alhambra, Daniel. Multinational, multi-database cohort study to assess adverse cardiovascular and cerebrovascular outcomes and mortality in association with inhaled NVA237 in Europe. Funding: Synapse Research Management Partners, S.L. Duration: 2013 - 2019

**IP:** Prieto Alhambra, Daniel. Multinational, multi-database drug utilization study of indacaterol/glycopyrronium bromide in Europe. Funding: Synapse Research Management Partners, S.L. Duration: 2014 - 2017

**IP:** Prieto Alhambra, Daniel. European Program of Post-Authorisation Safety Studies for Protelos®/Osseor® through EU-ADR Alliance. Funding: Synapse Research Management Partners, S.L. Duration: 2014 - 2017

**IP:** Prieto Alhambra, Daniel. Multinational, multi-database drug utilization study of inhaled NVA237 in Europe. Funding: Synapse Research Management Partners, S.L. Duration: 2013 - 2017

**IP:** Prieto Alhambra, Daniel. Treatment patterns and resource use of type 2 Diabetes Mellitus patients in 5 countries in Europe (Phase II and III). Funding: Pharmo Institute N.V. Duration: 2014 - 2016

- IP:** Prieto Alhambra, Daniel. Multi-database, cohort, post-authorization safety study on indacaterol prescribing and safety in Europe. Funding: Pharmo Institute N.V. Duration: 2014 - 2016
- IP:** Prieto Alhambra, Daniel. Multinational, multi-database cohort study to assess the incidence rate of severe asthma exacerbation and asthma related mortality rates. Funding: Synapse Research Management Partners, S.L. Duration: 2014 - 2016
- IP:** Prieto Alhambra, Daniel. Treatment patterns and resource use of type 2 Diabetes Mellitus patients in 5 countries In Europe (Phase I). Funding: Pharmo Institute N.V. Duration: 2013 - 2015
- IP:** Prieto Alhambra, Daniel. Evaluación de Servicios de Salud en Artroplastias de Rodilla y Cadera: predictores pre-quirúrgicos de supervivencia de prótesis. Estudio coordinado PRESS-UP y ESSARC. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015
- IP:** Violan Fors, Concepció. Tabaquismo y Atención Primaria: relación entre el nivel macro (política sanitaria) y micro (atención primaria). Consecuencias de la Ley 42/2010 en los centros de salud. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015
- IP:** Martínez Laguna, Daniel. Estudi d'incidència de fractures per fragilitat registrada en pacients atesos a l'atenció primària de salut i factors de risc associats. Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2014
- IP:** Grau Magaña, Maria. Efecto de los marcadores de inflamación y oxidación lipídica en la asociación entre la osteoporosis y la enfermedad cardiovascular: un estudio poblacional. Funding: Fundació IMIM. Duration: 2013 - 2014
- IP:** Otero Romero, Susana. Comorbilidad y utilización de los servicios de Atención Primaria en pacientes con esclerosis múltiple. Funding: IDIAP Jordi Gol. Duration: 2013 - 2014
- IP:** Prieto Alhambra, Daniel. Effect of Chondroitin Sulphate on progression of knee osteoarthritis to Total Knee Arthroplasty: a propensity-score matched cohort study. Funding: Bioiberica, S.A. Duration: 2012 - 2014

## Articles

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- Fina-Aviles F, Medina-Peralta M, Mendez-Boo L, Hermosilla E, Elorza JM, Garcia-Gil M, Ramos R, Bolibar B, Javaid MK, Edwards CJ, Cooper C, Arden NK, Prieto-Alhambra D. The descriptive epidemiology of rheumatoid arthritis in Catalonia: a retrospective study using routinely collected data. *Clinical rheumatology*. 2014 Oct; doi:10.1007/s10067-014-2801-1. PMID:25344777. **FI: 1,774**
- Garcia-Gil M, Elorza JM, Banque M, Comas-Cufí M, Blanch J, Ramos R, Méndez-Boo L, Hermosilla E, Bolibar B, Prieto-Alhambra D. Linking of primary care records to census data to study the association between socioeconomic status and cancer incidence in Southern Europe: a nation-wide ecological study. *PLoS one*. 2014; 9(10):e109706. doi:10.1371/journal.pone.0109706. pii:PONE-D-14-18648. pmc:PMC4203762. PMID:25329578. **FI: 3,534**
- Güerri-Fernández R, Villar-García J, Díez-Pérez A, Prieto-Alhambra D. HIV infection, bone metabolism, and fractures. *Arquivos brasileiros de endocrinologia e metabologia*. 2014 Jul; 58(5):478-83. pii:S0004-27302014000500478. PMID:25166038. **FI: 0,682**
- Muñoz-Ortego J, Vestergaard P, Rubio JB, Wordsworth P, Judge A, Javaid MK, Arden NK, Cooper C, Díez-Pérez A, Prieto-Alhambra D. Ankylosing spondylitis is associated with an increased risk of vertebral and nonvertebral clinical fractures: a population-based cohort study. *Journal of bone and mineral research: the official journal of the American Society for Bone and Mineral Research*. 2014 Aug; 29(8):1770-6. doi:10.1002/jbmr.2217. PMID:24619796. **FI: 6,589**
- Prieto D, Román E, Correia I, Pla J. The HOG pathway is critical for the colonization of the mouse gastrointestinal tract by *Candida albicans*. *PLoS one*. 2014 ; 9(1):e87128. doi:10.1371/journal.pone.0087128. pii:PONE-D-13-47318. pmc:PMC3903619. PMID:24475243. **FI: 3,534**
- Prieto-Alhambra D, Güerri-Fernández R, De Vries F, Lalmohamed A, Bazelier M, Starup-Linde J, Díez-Pérez A, Cooper C, Vestergaard P. HIV infection and its association with an excess risk of clinical fractures: a nationwide case-control study. *Journal of acquired immune deficiency syndromes (1999)*. 2014 May; 66(1):90-5. doi:10.1097/QAI.0000000000000112. PMID:24457634. **FI: 4,394**
- Prieto-Alhambra D, Judge A, Arden NK, Cooper C, Lyles KW, Javaid MK. Fracture prevention in patients with cognitive impairment presenting with a hip fracture: secondary analysis of data from the HORIZON Recurrent



Fracture Trial. Osteoporosis international: a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA. 2014 Jan; 25(1):77-83. doi:10.1007/s00198-013-2420-8. pmc:PMC3867338. PMID:23812596. **FI: 4,165**

Prieto-Alhambra D, Judge A, Javaid MK, Cooper C, Diez-Perez A, Arden NK. Incidence and risk factors for clinically diagnosed knee, hip and hand osteoarthritis: influences of age, gender and osteoarthritis affecting other joints. Annals of the rheumatic diseases. 2014 Sep; 73(9):1659-64. doi:10.1136/annrheumdis-2013-203355. pii:annrheumdis-2013-203355. pmc:PMC3875433. PMID:23744977. **FI: 9,270**

Prieto-Alhambra D, Lalmohamed A, Abrahamsen B, Arden NK, de Boer A, Vestergaard P, de Vries F. Oral bisphosphonate use and total knee/hip implant survival: validation of results in an external population-based cohort. Arthritis & rheumatology (Hoboken, N.J.). 2014 Nov; 66(11):3233-40. doi:10.1002/art.38789. PMID:25047677. **FI: 7,871**

Prieto-Alhambra D, Pagès-Castellà A, Wallace G, Javaid MK, Judge A, Nogués X, Arden NK, Cooper C, Diez-Perez A. Predictors of fracture while on treatment with oral bisphosphonates: a population-based cohort study. Journal of bone and mineral research: the official journal of the American Society for Bone and Mineral Research. 2014 Jan; 29(1):268-74. doi:10.1002/jbmr.2011. pmc:PMC3867340. PMID:23761350. **FI: 6,589**

Prieto-Alhambra D, Petri H, Goldenberg JS, Khong TP, Klungel OH, Robinson NJ, de Vries F. Excess risk of hip fractures attributable to the use of antidepressants in five European countries and the USA. Osteoporosis international: a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA. 2014 Mar; 25(3):847-55. doi:10.1007/s00198-013-2612-2. PMID:24448776. **FI: 4,165**

Prieto-Alhambra D, Premaor MO, Avilés FF, Castro AS, Javaid MK, Nogués X, Arden NK, Cooper C, Compston JE, Diez-Perez A. Relationship between mortality and BMI after fracture: a population-based study of men and women aged ≥40 years. Journal of bone and mineral research: the official journal of the American Society for Bone and Mineral Research. 2014 Aug; 29(8):1737-44. doi:10.1002/jbmr.2209. PMID:24615695. **FI: 6,589**

Reyes C, Estrada P, Nogués X, Orozco P, Cooper C, Díez-Pérez A, Formiga F, Mácias JG, Prieto-Alhambra D. The impact of common co-morbidities (as measured using the Charlson index) on hip fracture risk in elderly men: a population-based cohort study. Osteoporosis international: a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA. 2014 Jun; 25(6):1751-8. doi:10.1007/s00198-014-2682-9. PMID:24676845. **FI: 4,165**

## Indicators

|                                                                                   |              |
|-----------------------------------------------------------------------------------|--------------|
| Researchers with PhD                                                              | 1            |
| Total number of projects in which group members have participated                 | 15           |
| Total number of projects in which the PI of the project has belonged to the group | 12           |
| Total Funding                                                                     | 732.274,00 € |
| Scientific publications in indexed journals                                       | 14           |
| Total Impact factor                                                               | 68,52        |
| Nº of articles in Q1 journals                                                     | 11           |
| Q1 IF                                                                             | 58,19        |
| Nº of articles in Q2 journals                                                     | 0            |
| Q2 IF                                                                             |              |

## Research Group: GROIMAP (Osteoporosis and Musculoskeletal Diseases in Primary Care Research Group)

The group is made up of a multidisciplinary team of researchers from Vallès Occidental that includes family doctors, nurses, rheumatologists and pharmacists, among others. The majority of the group's members also belong to the Osteoporosis Work Group of CAMFiC (the Catalan Society of Family and Community Medicine). Through various research projects they collaborate with the Research Unit for Bone and Joint Physiopathology (URFOA) of The Mar Institute of Medical Research (IMIM) and with the British universities of Southampton and Oxford.

The group's objective is epidemiological research and analysis of the influence of known risk factors on the development of musculoskeletal diseases (basically osteoporosis and arthrosis) and the treatment of these pathologies in primary health care.

*Lines: Osteoporosis in primary health care: validation of the FRAX scale in Spain. Genetic and clinical risk factors associated with the risk of fracture. Electronic registers and the treatment of osteoporosis. Variability of clinical practice Osteoarthritis or arthrosis in primary health care: Epidemiology of osteoarthritis in primary health care. Classic risk factors (age, obesity, etc.) and emerging risk factors (synovitis, comorbidity, vitamin D level, etc.) associated with the development of the disease. Quality of Life Related to Health (QLRH) in patients with musculoskeletal or other problems resulting in pain and/or loss of function which require physical exercise for their genesis and or recovery in primary health care.*

### Group Leader

Azagra Ledesma, Rafael



### Researchers

Aguyé Batista, Amada  
Casado Burgos, Enrique  
Díaz Herrera, Miguel Ángel  
Encabo Duró, Gloria  
Gené Tous, Emili  
Güell Parnau, Sílvia  
Iglesias Martinez, Milagros  
Lopez Exposito, Francesc  
Martín Sánchez, Juan Carlos  
Ortiz Alinque, Sergi  
Puchol Ruiz, Nuria  
Pujol Salud, Jesús  
Roca Figueras, Genís  
Sancho Campos, Pilar  
Vilaseca i Ribas, Anna  
Zwart Salmeron, Marta

### Research Projects

**IP:** Bolívar Ribas, Bonaventura. Diseño de una intervención compleja multiriesgo en Atención Primaria para fomentar conductas promotoras de salud en la población de 45 a 75 años: ensayo clínico exploratorio multicéntrico. Funding: Instituto de Salud Carlos III. Duration: 2013 - 2016

**IP:** Tamayo Ojeda, Carmen. Adherència a les recomanacions de les guies de pràctica clínica en la prevenció secundària de la malaltia cerebrovascular: factors relacionats amb els pacients i amb els professionals. Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2016

**IP:** Galindo Ortego, Gisela. Incidència del risc de fractura osteoporòtica i relació amb l'exposició a bifosfonats. Estudi observacional amb base de dades clíniques poblacionals: OSTEOFRACT. Funding: ICS - Institut Català de la Salut. Duration: 2012 - 2014

## Articles

Azagra R, López-Expósito F, Martín-Sánchez JC, Aguyé A, Moreno N, Cooper C, Díez-Pérez A, Dennison EM. Changing trends in the epidemiology of hip fracture in Spain. *Osteoporosis international: a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA*. 2014 Apr; 25(4):1267-74. doi:10.1007/s00198-013-2586-0. PMID:24322478. **FI: 4,165**

Azagra R, Zwart M, Martín-Sánchez JC, Aguyé A. The FRAX(®) tool in the prevention of fractures associated with androgenic deprivation therapy for prostate cancer. *Medicina clínica*. 2014 Mar; 142(5):231-2. doi:10.1016/j.med-cli.2013.06.008. pii:S0025-7753(13)00462-4. PMID:24018248. **FI: 1,252**

Ballve Moreno JL, Carrillo Muñoz R, Villar Balboa I, Rando Matos Y, Arias Agudelo OL, Vasudeva A, Bigas Aguilera O, Almeda Ortega J, Capella Guillén A, Buitrago Olaya CJ, Monteverde Curto X, Rodero Perez E, Rubio Ripollès C, Sepulveda Palacios PC, Moreno Farres N, Hernández Sánchez AM, Martín Cantera C, Azagra Ledesma R. Effectiveness of the Epley's maneuver performed in primary care to treat posterior canal benign paroxysmal positional vertigo: study protocol for a randomized controlled trial. *Trials*. 2014 ; 15:179. doi:10.1186/1745-6215-15-179. pii:1745-6215-15-179. pmc:PMC4043960. PMID:24886338. **FI: 2,117**

## Indicators

|                                                                                   |             |
|-----------------------------------------------------------------------------------|-------------|
| Researchers with PhD                                                              | 3           |
| Total number of projects in which group members have participated                 | 3           |
| Total number of projects in which the PI of the project has belonged to the group |             |
| Total Funding                                                                     | 43.076,00 € |
| Scientific publications in indexed journals                                       | 3           |
| Total Impact factor                                                               | 7,53        |
| Nº of articles in Q1 journals                                                     | 1           |
| Q1 IF                                                                             | 4,165       |
| Nº of articles in Q2 journals                                                     | 0           |
| Q2 IF                                                                             |             |

## Research Area: Others

### **Research Group: Càncer-AP**

The Cancer-AP (Cancer-PC) Research Group is constituted by a multidisciplinary, multicentre team of professionals with different levels of experience in research. In addition, other professionals such as lecturers, primary care physicians, oncologists, clinical geneticists and other specialists from the Catalan Programme of Oncology and the Genetic Counselling Unit participate in specific aspects of the studies as advisors. The goal is to establish research networks between primary care professionals within Catalonia (North Metropolitan Area, Central Catalonia and South Metropolitan Area).

The research programme aims to prevent risk factors, achieve early detection (screening and early detection based on clinical signs and symptoms) of any cancer in healthy people and in people at risk, as well as to follow-up cancer patients. The main objective is to improve interventions aimed at cancer control from Primary Care.

*Lines: Cancer of Colon and Rectum (CCR); Interventions to increase the participation in the CCR screening programme; Knowledge, attitude and practice of primary care patients in relation to the European Code Against Cancer; Use of the Cancer Worry Scale to analyse the concern about cancer in the general population; Diagnosis and follow up in primary care of the following cancers: colon and rectum, ovary, endometrial, cervical, bladder and lung; Prevention and early diagnosis of hereditary cancer; Follow-up of long-term cancer survivors in primary care.*

### **Group Leader**

Marzo Castillejo, Maria Mercè

### **Researchers**

Almeda Ortega, Jesús  
Belmonte Garrido, Montse  
Bueno Jiménez, David  
Cantero Gómez, Francesc Xavier  
Guiriquet Capdevila, Carolina  
Llagostera Español, Maria  
Mascort Roca, Juanjo  
Navarro Márquez, Ana Isabel  
Nieto Marina, Raquel  
Ollé Mitjans, Maria  
Rivero Franco, Irene  
Saladich Puig, Rosa  
Segarra Valls, Manel  
Vela Vallespín, Carmen  
Vilarrubí Estrella, Mercedes

### **Research Projects**

**IP:** Ballvé Moreno, José Luis. Ensayo clínico sobre la eficacia de la maniobra de Epley combinada con betahistina en el tratamiento del vértigo posicional benigno del canal posterior. Funding: Red Española de Atención Primaria (REAP). Duration: 2013 - 2016

**IP:** Bolívar Ribas, Bonaventura. The appropriateness of prescribing antibiotics in primary health care in Europe with respect to antibiotic resistance. Funding: IDIAP Jordi Gol. Duration: 2014 - 2015

**IP:** Allepuz Palau, Alejandro. Estudio de cohortes prospectivo de recién nacidos para analizar la relación entre la presencia de anquiloglosia y la duración de la lactancia materna. Funding: IDIAP Jordi Gol. Duration: 2013 - 2015

- IP:** Salvador Gonzalez, Betlem. Riesgo cardiovascular asociado a la disminución del filtrado glomerular en mayores de 60 años en Atención Primaria. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015
- IP:** Alzamora Sas, M<sup>a</sup> Teresa. Incidencia de arteriopatía periférica y relación con factores de riesgo cardiovascular y morbimortalidad cardiovascular a los 5 años de seguimiento de la cohorte poblacional ARTPER. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015
- IP:** Garcia Cerdan, M<sup>a</sup> Rosa. Actituds, coneixements i pràctiques en l'autocura en pacients amb insuficiència cardíaca atesos a l'atenció primària. Funding: Col·legi Oficial d'Infermeria de Barcelona. Duration: 2012 - 2015
- IP:** Salvadó Hernandez, Cristina. Adaptación de la familia ante el diagnóstico de diabetes mellitus tipo 1 de uno de sus miembros en edad infantil. Funding: Col·legi Oficial d'Infermeria de Barcelona. Duration: 2012 - 2015
- IP:** Rodriguez Cristobal, Juan José. Impacto de una intervención en los estilos de vida en los factores de riesgo cardiovascular y la ateromatosis subclínica en pacientes con hiperfibrinogenemia en la atención primaria de salud (Estudio IMENCAR). Funding: ICS - Institut Català de la Salut. Duration: 2012 - 2015
- IP:** Casabona Barberà, Jordi. Estudi de Prevalença de realització de la prova del VIH en pacients que presenten una malaltia definitiva de sida o una malaltia relacionada amb la infecció de VIH en Atenció Primària a Catalunya. Funding: Fund.biomèdica Germans Trias i Pujol - CEEISCAT. Duration: 2013 - 2014
- IP:** Marzo Castillejo, Maria Merce. The effect of consumption of kiwi fruit on constipation in adults. Funding: . Duration: 2013 - 2014
- IP:** Guiriguet Capdevila, Carolina. Efectividad de una alerta electrónica en la historia clínica informatizada para aumentar la participación desde Atención Primaria en un Programa de Cribado de Cáncer Colorrectal. Funding: Instituto de Salud Carlos III. Duration: 2011 - 2014
- IP:** Bolívar Ribas, Bonaventura. The appropriateness of prescribing antibiotics in primary health care in Europe with respect to antibiotic resistance. Funding: European Commission. Duration: 2009 - 2014

## Articles

- Ballve Moreno JL, Carrillo Muñoz R, Villar Balboa I, Rando Matos Y, Arias Agudelo OL, Vasudeva A, Bigas Aguilera O, Almeda Ortega J, Capella Guillén A, Buitrago Olaya CJ, Monteverde Curto X, Rodero Perez E, Rubio Ripollès C, Sepulveda Palacios PC, Moreno Farres N, Hernández Sánchez AM, Martín Cantera C, Azagra Ledesma R. Effectiveness of the Epley's maneuver performed in primary care to treat posterior canal benign paroxysmal positional vertigo: study protocol for a randomized controlled trial. *Trials*. 2014 ; 15:179. doi:10.1186/1745-6215-15-179. pii:1745-6215-15-179. pmc:PMC4043960. PMID:24886338. **FI: 2,117**
- Farre TB, Formiga F, Ferrer A, Plana-Ripoll O, Almeda J, Pujol R. Risk of being undernourished in a cohort of community-dwelling 85-year-olds: the Octabaix study. *Geriatrics & gerontology international*. 2014 Jul; 14(3):702-9. doi:10.1111/ggi.12142. PMID:23998431. **FI: 1,575**
- Ferrer A, Formiga F, Sanz H, de Vries OJ, Badia T, Pujol R. Multifactorial assessment and targeted intervention to reduce falls among the oldest-old: a randomized controlled trial. *Clinical interventions in aging*. 2014 ; 9:383-93. doi:10.2147/CIA.S57580. pii:cia-9-383. pmc:PMC3940644. PMID:24596458.
- Ferrer A, Formiga F, Sanz H, Monserrate E, Verges D. Successful aging and indicators of frailty in the elderly. *Octabaix Study. Atencion primaria / Sociedad Española de Medicina de Familia y Comunitaria*. 2014 Nov; 46(9):475-82. doi:10.1016/j.aprim.2014.01.004. pii:S0212-6567(14)00067-5. PMID:24792420. **FI: 0,894**
- Formiga F, Ferrer A, Megido MJ, Boix L, Contra A, Pujol R. Low serum vitamin D is not associated with an increase in mortality in oldest old subjects: the Octabaix three-year follow-up study. *Gerontology*. 2014 ; 60(1):10-5. doi:10.1159/000351024. pii:000351024. PMID:23689215. **FI: 2,681**
- Formiga F, Ferrer A, Padros G, Contra A, Corbella X, Pujol R. Thyroid status and functional and cognitive status at baseline and survival after 3 years of follow-up: the OCTABAIX study. *European journal of endocrinology / European Federation of Endocrine Societies*. 2014 Jan; 170(1):69-75. doi:10.1530/EJE-13-0722. pii:EJE-13-0722. PMID:24144964. **FI: 3,686**
- Guiriguet-Capdevila C, Muñoz-Ortiz L, Rivero-Franco I, Vela-Vallespín C, Vilarrubí-Estrella M, Torres-Salinas M, Grau-Cano J, Burón-Pust A, Hernández-Rodríguez C, Fuentes-Peláez A, Reina-Rodríguez D, De León-Gallo R, Mendez-Boo L, Torán-Monserrat P. Can an alert in primary care electronic medical records increase participation in a population-based screening programme for colorectal cancer? COLO-ALERT, a randomised clinical trial. *BMC cancer*. 2014 ; 14:232. doi:10.1186/1471-2407-14-232. pii:1471-2407-14-232. pmc:PMC3976172. PMID:24685117. **FI: 3,319**

Marzo-Castillejo M, Bellas-Beceiro B, Vela-Vallespín C, Nuin-Villanueva M, Bartolomé-Moreno C, Vilarrubí-Estrella M, Melús-Palazón E. [In Process Citation]. *Atencion primaria / Sociedad Española de Medicina de Familia y Comunitaria*. 2014 Jun; 46 Suppl 4:24-41. doi:10.1016/S0212-6567(14)70049-6. pii:S0212-6567(14)70049-6. PMID:24950629. **FI: 0,894**

Marzo-Castillejo M. The breast cancer screening. do you need to change?. *Atencion primaria / Sociedad Española de Medicina de Familia y Comunitaria*. 2014 Jun-Jul; 46(6):273-5. doi:10.1016/j.aprim.2014.04.005. pii:S0212-6567(14)00154-1. PMID:24947846. **FI: 0,894**

Salvadó C, Hernandez E, Roca M, Almeda J, Méndez MC, Garcia MR. Vivencias y proceso de adaptación a la enfermedad, del padre y los hermanos de un niño con diabetes tipo 1: revisión bibliográfica descriptiva. *Nure Investigación*. 2014;11(71):1-9.

Simonet PJ, Marzo MM. Evidências de los nuevos medicamentos para la enfermedad pulmonar obstructiva crónica. [Article revisió]. *Form Med Cont Atenc Prim*. 2014;21 (6):347-354.

Vela-Vallespin C, López-Grado J. Marzo-Castillejo MM. El cáncer de ovario. [Article revisió]. *Form Med Cont Atenc Prim*. 2014;4:201-210.

Villar Balboa I, Carrillo Muñoz R, Regí Bosque M, Marzo Castillejo M, Arcusa Villacampa N, Segundo Yagüe M. Factors associated with the quality of life in patients with chronic obstructive pulmonary disease. *Atencion primaria / Sociedad Española de Medicina de Familia y Comunitaria*. 2014 Apr; 46(4):179-87. doi:10.1016/j.aprim.2013.09.004. pii:S0212-6567(13)00273-4. PMID:24262284. **FI: 0,894**

## Indicators

|                                                                                   |              |
|-----------------------------------------------------------------------------------|--------------|
| Researchers with PhD                                                              | 2            |
| Total number of projects in which group members have participated                 | 12           |
| Total number of projects in which the PI of the project has belonged to the group | 2            |
| Total Funding                                                                     | 341.340,07 € |
| Scientific publications in indexed journals                                       | 9            |
| Total Impact factor                                                               | 16,95        |
| Nº of articles in Q1 journals                                                     | 0            |
| Q1 IF                                                                             |              |
| Nº of articles in Q2 journals                                                     | 4            |
| Q2 IF                                                                             | 11,261       |

## Research Group: GRASSIR (Research Group in Sexual and Reproductive Health)

A team of three midwives, four gynaecologists, a clinical biologist and a health technician of the North Metropolitan Area Research Support Unit (RSU) of the CHI constitute this team. During the past four years, they have collaborated to promote sexual and reproductive health in young people and to improve women's and maternal and child health.

External collaborators from other sexual health services, from the Hospital Mútua de Terrassa, the Consorci Sanitari of Terrassa, the Hospital de Vic, the Hospital Clínic of Barcelona, the Catalan Institute of Oncology and from the University of Barcelona contribute also to this Group. The three main research fields are maternal and child health, women's health and sexual health in young people. In addition, the GRASSIR Group aims to establish a research network among the 7 Sexual Health Services of the North Metropolitan Area and to consolidate the group and the research fields.

*Lines: Cervical cancer and HPV screening; Urinary incontinence; Antenatal care; Prenatal diagnosis and Nuchal translucency; Maternal care: postpartum/ breastfeeding; Sexual and reproductive health in young people.*

### Group Leader

Falguera Puig, Gemma



### Researchers

Acera Pérez, Amèlia  
Gol Gomez, Roser  
Grau Galtés, Josep  
Lecumberri Estruch, Carla  
Manresa Domínguez, Josep Maria  
Torrent Español, Anna M<sup>a</sup>  
Torres Costa, Maria Teresa

### Research Projects

**IP:** Martín Cantera, Carlos. *Característiques diferencials dels diabètics fumadors respecte els no fumadors a Atenció Primària*. Funding: ICS - Institut Català de la Salut. Duration: 2015 - 2016

**IP:** Díaz Docon, Mireia. *Eficàcia i beneficis del massatge infantil en nadons de 15 dies a 6 mesos en la regulació de la motilitat gàstrica del nen sà en les consultes d'atenció primària*. Funding: Col·legi Oficial d'Infermeria de Barcelona. Duration: 2014 - 2016

**IP:** Acera Pérez, Amèlia. *Evaluación de la efectividad de tres estrategias para aumentar la participación de mujeres en un programa de cribado de cáncer de CERVIX en la comarca del VALLÈS Oriental (Estudio CRICERVA)*. Funding: Sanofi Pasteur MSD S.A. Duration: 2014 - 2015

**IP:** Casabona Barberà, Jordi. *Proyecto HIDES 2 Atención Primaria en España*. Funding: Fund.biomédica Germans Trias i Pujol - CEEISCAT. Duration: 2013 - 2015

**IP:** Caballería Rovira, Llorenç. *Detección precoz de enfermedades crónicas del hígado en población adulta aparentemente sana*. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015

**IP:** Torán Monserrat, Pere. *RETINAL, Sistema de análisis y procesamiento de imagen de Retinografía, como herramienta de apoyo a la detección de infarto cerebral silencioso*. Funding: ULMA Innovacion, s.l. Duration: 2012 - 2015



## Articles

de Sanjosé S, Ibáñez R, Rodríguez-Salés V, Peris M, Roura E, Díaz M, Torné A, Costa D, Canet Y, Falguera G, Alejo M, Espinàs JA, Bosch FX. Screening of cervical cancer in Catalonia 2006-2012. *Ecancermedicalscience*. 2015 ; 9:532. doi:10.3332/ecancer.2015.532. pii:can-9-532. pmc:PMC4431403. PMID:25987901.

Martí-Margarit A, Manresa JM, Herdman M, Pujol R, Serra C, Flyvholm MA, Giménez-Arnau AM. Valid screening questions useful to diagnose hand and forearm eczema are available in the Spanish language, a new tool for global research. *European journal of dermatology: EJD*. 2015 Apr; 25(2):145-55. doi:10.1684/ejd.2014.2485. pii:ejd.2014.2485. PMID:25961465. **FI: 1,953**

Pérez-Tortosa S, Roig L, Manresa JM, Martín-Cantera C, Puigdomènech E, Roura P, Armengol A, Advani M. Continued smoking abstinence in diabetic patients in primary care: a cluster randomized controlled multi-center study. *Diabetes research and clinical practice*. 2015 Jan; 107(1):94-103. doi:10.1016/j.diabres.2014.09.009. pii:S0168-8227(14)00409-4. PMID:25444354. **FI: 2,536**

## Indicators

|                                                                                   |              |
|-----------------------------------------------------------------------------------|--------------|
| Researchers with PhD                                                              | 2            |
| Total number of projects in which group members have participated                 | 6            |
| Total number of projects in which the PI of the project has belonged to the group | 1            |
| Total Funding                                                                     | 230.308,01 € |
| Scientific publications in indexed journals                                       | 2            |
| Total Impact factor                                                               | 4,49         |
| Nº of articles in Q1 journals                                                     | 0            |
| Q1 IF                                                                             |              |
| Nº of articles in Q2 journals                                                     | 1            |
| Q2 IF                                                                             | 1,953        |

## Research Group: GREmHAP (Hepatic Diseases in Primary Care Research Group)

This group is made up of various professionals and researchers from the Primary Health Care Area of North Metropolitan Barcelona and Maresme and from Research Support Unit of the same area and counts on the support, collaboration and guidance of members of the Hepatology Service of the Hospital Clínic and the August Pi i Sunyer Biomedical Research Institute (IDIBAPS).

The group's objective is research related with liver diseases, both alcohol-related and non-alcohol-related and it is developing various lines of research: the study of behaviour changes deriving from social changes produced by migratory movements in order to detect drinkers at risk and offer opportunities for treatment; to improve knowledge of the etiology, the use of health resources and diagnostic tests, the diagnostic performance of the tests and the therapeutic handling of this situation by health professionals in their normal practice.

*Lines: Non-alcoholic liver steatosis: effectiveness of an intervention to slow progression to more serious forms  
Transmissible hepatitis: effectiveness of prevention and detection of the population at risk Alcohol as an etiological hepatopathy risk factor.*

### Group Leader

Caballería Rovira, Llorenç



### Researchers

Aizpurua Pérez, Miren Maite Eurne  
Alumà Trullas, Alba  
Aubà Llambrich, Josep  
Auladell Llorens, Maria Antònia  
Bernad Suárez, Jesús  
Canut Caveró, Santiago  
Casas Curto, Jose Darío  
Miranda Badia, M<sup>a</sup> Dolores  
Rodríguez González, Luis  
Tibau Catalan, Albert

### Research Projects

**IP:** Sánchez Tapias, José M<sup>a</sup>. *Estudio de prevalencia real actual de hepatitis B y C en la región de Cataluña. Impacto del cambio poblacional derivado de la inmigración.* Funding: Instituto de Salud Carlos III. Duration: 2014 - 2017

**IP:** Caballería Rovira, Llorenç. *Esteatosis hepática no alcohólica con a factor de risc de malaltia cardiovascular i renal.* Funding: IDIAP Jordi Gol. Duration: 2014 - 2016

**IP:** Rodríguez Gonzalez, Luis. *Detecció precoç de malalties cròniques del fetge en població adulta aparentment sana.* Funding: Fundació Acadèmia de les Ciències Mèdiques. Duration: 2013 - 2015

**IP:** Alzamora Sas, M<sup>a</sup> Teresa. *Incidencia de arteriopatía periférica y relación con factores de riesgo cardiovascular y morbimortalidad cardiovascular a los 5 años de seguimiento de la cohorte poblacional ARTPER.* Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015

**IP:** Caballería Rovira, Llorenç. *Detección precoz de enfermedades crónicas del hígado en población adulta aparentemente sana.* Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015

## Articles

Arteaga I, Buezo I, Expósito C, Pera G, Rodríguez L, Alumà A, Auladell MA, Torán P, Caballería L. Non-invasive markers of fibrosis in the diagnosis of non-alcoholic fatty liver disease. *Gastroenterología y hepatología*. 2014 Nov; 37(9):503-10. doi:10.1016/j.gastrohep.2014.03.009. pii:S0210-5705(14)00086-7. PMID:24746708. **FI: 0,832**

Caballería L, Pera G, Bernad J, Canut S, Navarro E, Bruguera M. Strategies for the detection of hepatitis C viral infection in the general population. *Revista clínica española*. 2014 Jun-Jul; 214(5):242-6. doi:10.1016/j.rce.2014.01.024. pii:S0014-2565(14)00059-9. PMID:24598246.

Caballería L, Saló J, Berzigotti A, Planas R, Vila C, Huertas C, Torres M, Torán P, Caballería J. Non-alcoholic fatty liver: position document of the Catalan Society of Gastroenterology. *Gastroenterología y hepatología*. 2014 Jun-Jul; 37(6):372-83. doi:10.1016/j.gastrohep.2014.03.005. pii:S0210-5705(14)00082-X. PMID:24746904. **FI: 0,832**

Caballería L. Study Group. Levels of Alkaline Phosphatase and Bilirubin Are Surrogate End Points of Outcomes of Patients With Primary Biliary Cirrhosis: An International Follow-up Study. *Gastroenterology*. [Article Original]. *J Gastroenterol*. 2014;147:1338-1349. PMID:25160979. **FI: 4,020**

## Indicators

|                                                                                   |              |
|-----------------------------------------------------------------------------------|--------------|
| Researchers with PhD                                                              | 3            |
| Total number of projects in which group members have participated                 | 5            |
| Total number of projects in which the PI of the project has belonged to the group | 3            |
| Total Funding                                                                     | 266.150,00 € |
| Scientific publications in indexed journals                                       | 4            |
| Total Impact factor                                                               | 5,68         |
| Nº of articles in Q1 journals                                                     | 1            |
| Q1 IF                                                                             | 4,02         |
| Nº of articles in Q2 journals                                                     | 0            |
| Q2 IF                                                                             |              |

## Research Group: OCTABAIX (Oldest' Characteristic and Assesments-Baix Llobregat study's group)

The OCTABAIX study group developed around a group of professionals in nursing and clinical laboratories, epidemiologists, family doctors and geriatricians from different districts of primary Health care (Baix Llobregat Nord, Baix Llobregat Centre and Hospitalet de Llobregat) and from the Bellvitge Hospital, and collaborates with IDIAP Jordi Gol (metropolitan south Research Support unit) and the University of Barcelona (Nursing School).

The group's main objective is research related to ageing, and in particular with the oldest section of the population (over 80) it is developing various lines of research such as hypertension and type 2 diabetes in the over 90s, functional and cognitive deterioration, falls and malnutrition, sarcopenia and nutritional deficits and studies of the quality of life among people over 89.

*Lines: Observational studies of chronic pathology in the over 80s. Interventions to improve the quality of life of the over 80s.*

### Group Leader

Ferrer Feliu, Assumpta



### Researchers

Badia Farré, Teresa  
Fernández Solana, Coral  
Formiga Pérez, Francesc  
Gil Nieves, Aurora  
Llopart Catasús, Carme  
Megido Badia, M<sup>a</sup> Jesús  
Padrós Soler, Gloria  
Sarró Maluquer, Marta  
Tobella Príncep, M<sup>a</sup> Àngels

### Research Projects

**IP:** Rodriguez Cristobal, Juan Jose. *Impacto de una intervención en los estilos de vida en los factores de riesgo cardiovascular y la ateromatosis subclínica en pacientes con hiperfibrinemia en la atención primaria de salud (Estudio IMENCAR)*. Funding: ICS - Institut Català de la Salut. Duration: 2012 - 2015

**IP:** Megido Badia, M<sup>a</sup> Jesús. *Com viuen els néts la malaltia d'Alzheimer del seu avi/a? Estudi qualitatiu a l'atenció primària*. Funding: Col·legi Oficial d'Infermeria de Barcelona. Duration: 2011 - 2014

### Articles

Farre TB, Formiga F, Ferrer A, Plana-Ripoll O, Almeda J, Pujol R. Risk of being undernourished in a cohort of community-dwelling 85-year-olds: the Octabaix study. *Geriatrics & gerontology international*. 2014 Jul; 14(3):702-9. doi:10.1111/ggi.12142. PMID:23998431. **FI: 1,575**

Ferrer A, Formiga F, Sanz H, de Vries OJ, Badia T, Pujol R. Multifactorial assessment and targeted intervention to reduce falls among the oldest-old: a randomized controlled trial. *Clinical interventions in aging*. 2014 ; 9:383-93. doi:10.2147/CIA.S57580. pii:cia-9-383. pmc:PMC3940644. PMID:24596458.

Ferrer A, Formiga F, Sanz H, Monserrate E, Verges D. Successful aging and indicators of frailty in the elderly. *Octabaix Study. Atención primaria / Sociedad Española de Medicina de Familia y Comunitaria*. 2014 Nov; 46(9):475-82. doi:10.1016/j.aprim.2014.01.004. pii:S0212-6567(14)00067-5. PMID:24792420. **FI: 0,894**

Formiga F, Ferrer A, Megido MJ, Boix L, Contra A, Pujol R. Low serum vitamin D is not associated with an increase in mortality in oldest old subjects: the Octabaix three-year follow-up study. *Gerontology*. 2014 ; 60(1):10-5. doi:10.1159/000351024. pii:000351024. PMID:23689215. **FI: 2,681**

Formiga F, Ferrer A, Padrós G, Cintra A, Pujol R. Inverted CD4:CD8 ratio is not associated with three-year mortality in a sample of community-dwelling oldest old: the OCTABAIX immune study. *J Nutr Health Aging*. 2014;18(4):425-428. PMID:24676325. **FI: 2,659**

Formiga F, Ferrer A, Padros G, Contra A, Corbella X, Pujol R. Thyroid status and functional and cognitive status at baseline and survival after 3 years of follow-up: the OCTABAIX study. *European journal of endocrinology / European Federation of Endocrine Societies*. 2014 Jan; 170(1):69-75. doi:10.1530/EJE-13-0722. pii:EJE-13-0722. PMID:24144964. **FI: 3,686**

Formiga F, Ferrer A, Padrós G, Corbella X, Cos L, Sinclair AJ, Rodríguez-Mañas L. Diabetes mellitus as a risk factor for functional and cognitive decline in very old people: the Octabaix study. *Journal of the American Medical Directors Association*. 2014 Dec; 15(12):924-8. doi:10.1016/j.jamda.2014.07.019. pii:S1525-8610(14)00478-2. PMID:25271193. **FI: 4,781**

Formiga F, Ferrer Feliu A, Corbella X. The difficult way to become a centenarian. the NonaSantfeliu Study: ten years of follow-up. *Journal of the American Geriatrics Society*. 2014 Sep; 62(9):1792-3. doi:10.1111/jgs.13006. PMID:25243683. **FI: 4,216**

Reyes C, Estrada P, Nogués X, Orozco P, Cooper C, Díez-Pérez A, Formiga F, Mácias JG, Prieto-Alhambra D. The impact of common co-morbidities (as measured using the Charlson index) on hip fracture risk in elderly men: a population-based cohort study. *Osteoporosis international: a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA*. 2014 Jun; 25(6):1751-8. doi:10.1007/s00198-014-2682-9. PMID:24676845. **FI: 4,165**

## Indicators

|                                                                                   |            |
|-----------------------------------------------------------------------------------|------------|
| Researchers with PhD                                                              | 3          |
| Total number of projects in which group members have participated                 | 2          |
| Total number of projects in which the PI of the project has belonged to the group | 1          |
| Total Funding                                                                     | 5.446,00 € |
| Scientific publications in indexed journals                                       | 8          |
| Total Impact factor                                                               | 24,66      |
| Nº of articles in Q1 journals                                                     | 3          |
| Q1 IF                                                                             | 13,162     |
| Nº of articles in Q2 journals                                                     | 4          |
| Q2 IF                                                                             | 10,601     |

## Research Area: Respiratory

### Research Group: EPIVAC (Effectiveness of pneumococcal and influenza vaccines)

The EPIVAC group was formed within the primary health care services of Tarragona-Valls and comprises a multidisciplinary group of researchers and primary health care professionals. It is a well consolidated group accredited by IDIAP Jordi Gol and by AGAUR (agency for the management of university and research grants of the Catalan Generalitat).

Basically the group carries out population-based clinical and epidemiological research into infectious respiratory diseases which are preventable by vaccination.

*Lines: Epidemiology of Community-Acquired Pneumonia (CAP) in the general population. Epidemiology of pneumococcal diseases in the general population, but especially among infants and old people. Evaluation of the effectiveness of the 23-valent pneumococcal polysaccharide vaccine in people over 50 and the heptavalent conjugate vaccine in infants. Evaluation of the effectiveness of the anti-flu vaccine in the general population and in specific high-risk subgroups.*

### Group Leader

Vila Corcoles, Àngel



### Researchers

De Diego Cabanes, Cinta  
Hospital Guardiola, Immaculada  
Ochoa Gondar, Olga  
Salsench Serrano, Elisabet

### Research Projects

**IP:** Ochoa Gondar, Olga. *Efectividad clínica de las vacunas antineumocócicas conjugada 13-valente y polisacárida 23-valente para prevenir enfermedad neumocócica invasiva y neumonía en personas mayores de 50 años.* Funding: IDIAP Jordi Gol. Duration: 2013 - 2014

### Articles

Almirall J, Serra-Prat M, Bolívar I, Palomera E, Roig J, Hospital I, Carandell E, Agustí M, Ayuso P, Estela A, Torres A. Passive smoking at home is a risk factor for community-acquired pneumonia in older adults: a population-based case-control study. *BMJ open*. 2014 ; 4(6):e005133. doi:10.1136/bmjopen-2014-005133. pii:bmjopen-2014-005133. pmc:PMC4067857. PMID:24928592. **FI: 2,063**

Forcadell MJ, de Diego C. Rhabdomyolysis secundaria a simvastatina y fenofibrato. *Semergen*. 2014;40:e91-e94.  
Forcadell-Peris MJ, de Diego-Cabanes C. Rhabdomyolysis secondary to simvastatin and phenofibrate. *Semergen*. 2014 May-Jun;40(4):e91-4. doi:10.1016/j.semerg.2014.01.007. Epub 2014 Apr 24. Spanish. PubMed PMID: 24768027.  
Ochoa-Gondar O, Vila-Corcoles A, Rodriguez-Blanco T, de Diego-Cabanes C, Hospital-Guardiola I, Jarrod-Pamies M. Evaluating the clinical effectiveness of pneumococcal vaccination in preventing myocardial infarction: The CAPAMIS study, three-year follow-up. *Vaccine*. 2014 Jan; 32(2):252-7. doi:10.1016/j.vaccine.2013.11.017. pii:S0264-410X(13)01534-X. PMID:24262314. **FI: 3,485.**

Ochoa-Gondar O, Vila-Corcoles A, Rodriguez-Blanco T, Gomez-Bertomeu F, Figuerola-Massana E, Raga-Luria X, Hospital-Guardiola I. Effectiveness of the 23-valent pneumococcal polysaccharide vaccine against community-acquired pneumonia in the general population aged ≥ 60 years: 3 years of follow-up in the CAPAMIS study. *Clinical infectious diseases: an official publication of the Infectious Diseases Society of America*. 2014 Apr; 58(7):909-17. doi:10.1093/cid/ciu002. pii:ciu002. PMID:24532544. **FI: 9,416**

Ochoa-Gondar O, Vila-Corcoles A, Rodriguez-Blanco T, Hospital I, Salsench E, Ansa X, Saun N. Validation of the CORB75 (confusion, oxygen saturation, respiratory rate, blood pressure, and age ≥ 75 years) as a simpler pneumonia severity rule. *Infection*. 2014 Apr; 42(2):371-8. doi:10.1007/s15010-013-0565-1. PMID:24293055. **FI: 2,864**

Vila-Corcoles A, Ochoa-Gondar O, Rodriguez-Blanco T, de Diego-Cabanes C, Satue-Gracia E, Vila-Rovira A, Torrente Fraga C. Evaluating clinical effectiveness of pneumococcal vaccination in preventing stroke: the CAPAMIS Study, 3-year follow-up. *Journal of stroke and cerebrovascular diseases: the official journal of National Stroke Association*. 2014 Jul; 23(6):1577-84. doi:10.1016/j.jstrokecerebrovasdis.2013.12.047. pii:S1052-3057(13)00564-8. PMID:24656243.

Vila-Corcoles A, Ochoa-Gondar O. Pneumococcal conjugate vaccination: correlates of protection. *The Lancet. Infectious diseases*. 2014 Sep; 14(9):784-6. doi:10.1016/S1473-3099(14)70849-7. pii:S1473-3099(14)70849-7. PMID:25042757. **FI: 19,446**

Vila-Corcoles Á, Satue-Gracia E, Ochoa-Gondar O, de Diego-Cabanes C, Vila-Rovira Á, Blade J, Bobé F, Casanova R, Jarrod M, Reig R. Incidence and lethality of ischaemic stroke among people 60 years or older in the region of Tarragona (Spain), 2008-2011. *Revista de neurologia*. 2014 Dec; 59(11):490-6. pii:rn2014264. PMID:25418143. **FI: 0,926**

## Indicators

|                                                                                   |        |
|-----------------------------------------------------------------------------------|--------|
| Researchers with PhD                                                              | 3      |
| Total number of projects in which group members have participated                 | 1      |
| Total number of projects in which the PI of the project has belonged to the group | 1      |
| Total Funding                                                                     | 0,00 € |
| Scientific publications in indexed journals                                       | 8      |
| Total Impact factor                                                               | 38,2   |
| Nº of articles in Q1 journals                                                     | 2      |
| Q1 IF                                                                             | 28,862 |
| Nº of articles in Q2 journals                                                     | 3      |
| Q2 IF                                                                             | 8,412  |



## Research Group: GEPAR-AP (Respiratory System Pathology in Primary Care Study Group)

This group is made up of primary health care professionals from the area of Tarragona and includes doctors, nurses and physiotherapists. Some its members are also university teachers from the Rovira i Virgili University and active members of research groups in their respective scientific societies. It is also supported by the Research Unit of Primary Health Care Management in the Camp de Tarragona area.

The group's principal objective is the study of risk factors and approach strategies for respiratory diseases in primary health care. Primary Health care is the ideal setting in which to develop prospective multicentric studies which will generate quality data with which to answer some of these questions while at the same time favouring a better use of available resources.

*Lines: Acute pathology and respiratory infections. Rapid diagnostic techniques, use and abuse of the prescription of antibiotics. Chronic respiratory pathology and smoking. Early diagnosis and infra diagnosis and treatment of chronic obstructive pulmonary disease (COPD).*

### Group Leader

Martin Luján, Francisco



### Researchers

Alfaro Ormaolea, Aitor Carlos  
Basora Gallisà, M<sup>a</sup> Teresa  
Blade Creixenti, Jordi  
Calviño Domínguez, Olga  
Crispi Cifuentes, Silvia  
Fernández Pagés, Yvone  
Martín Vergara, Núria  
Pascual Palacios, Irene  
Santigosa Ayala, Antoni  
Sierra Montalbán, Nuria  
Sorlí Aguilar, Mar

### Research Projects

**IP:** Sorlí Aguilar, Mar. ESTUDIO DIET: Ensayo clínico multicéntrico y aleatorizado para valorar la relación entre la función pulmonar y la adherencia a una dieta de tipo mediterránea. Funding: ICS - Institut Català de la Salut. Duration: 2014 - 2017

**IP:** Satué Gracia, Eva María. Eficacia de una aplicación para dispositivos móviles para mejorar la adherencia a dieta y ejercicio en adultos con sobrepeso y obesidad. Ensayo clínico aleatorizado. Funding: IDIAP Jordi Gol. Duration: 2014 - 2016

**IP:** Aragonès Benaiges, Enric. Avaluació del risc cardiovascular associat als diferents fenotips clínics de la síndrome metabòlica i dels risc adicional associat a la presència de depressió/ansietat. Funding: IDIAP Jordi Gol. Duration: 2014 - 2015

**IP:** Martín Luján, Francisco. Ensayo clínico aleatorizado y multicéntrico para evaluar la eficacia de una intervención motivacional contra el tabaquismo basada en la información obtenida en una espirometría realizada en Atención Primaria. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015

**IP:** Llor Vilà, Carles. Eficacia de dosis altas de penicilina v oral frente a amoxicilina a dosis altas en el tratamiento de la neumonía no grave atendida en la comunidad en adultos. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015

## Articles

Calviño O, Llor C, Gómez F, González E, Sarvisé C, Hernández S. Association between C-reactive protein rapid test and group A streptococcus infection in acute pharyngitis. *Journal of the American Board of Family Medicine: JABFM*. 2014 May-Jun; 27(3):424-6. doi:10.3122/jabfm.2014.03.130315. pii:27/3/424. PMID:24808122. **FI: 1,848**

Vila-Corcoles Á, Satue-Gracia E, Ochoa-Gondar O, de Diego-Cabanes C, Vila-Rovira Á, Blade J, Bobé F, Casanova R, Jarrod M, Reig R. Incidence and lethality of ischaemic stroke among people 60 years or older in the region of Tarragona (Spain), 2008-2011. *Revista de neurologia*. 2014 Dec; 59(11):490-6. pii:rn2014264. PMID:25418143. **FI: 0,926**

## Indicators

|                                                                                   |              |
|-----------------------------------------------------------------------------------|--------------|
| Researchers with PhD                                                              | 4            |
| Total number of projects in which group members have participated                 | 5            |
| Total number of projects in which the PI of the project has belonged to the group | 3            |
| Total Funding                                                                     | 162.700,66 € |
| Scientific publications in indexed journals                                       | 2            |
| Total Impact factor                                                               | 2,77         |
| Nº of articles in Q1 journals                                                     | 1            |
| Q1 IF                                                                             | 1,848        |
| Nº of articles in Q2 journals                                                     | 0            |
| Q2 IF                                                                             |              |

## Research Group: GReCMaR (Research Group in Chronic Respiratory Diseases)

The research group consists of various primary care professionals from several primary care centres in the area of Barcelonès Nord and Maresme, in collaboration with the Research Support Unit (RSU) Metropolitana Nord. Some of its members participate also in the Maresme Community Acquired Pneumonia Study Group (GEMPAC).

The main objective is to promote and consolidate the understanding of the chronicity of respiratory conditions to improve patient care and to optimize the use of resources in primary care. The group focuses its research on Prevention (smoking cessation, tertiary prevention, screening strategies and early diagnosis); Health Services Evaluation (causes of underdiagnosis of COPD and study of the diagnostic value of symptoms, signs and diagnostic tests); and Comorbidities, follow-up and the management of patients with respiratory diseases.

*Lines: Prevention and study of risk factors associated with Chronic Obstructive Pulmonary Disease (COPD); Detection and underdiagnosis of COPD; Educational Intervention in COPD; Lower respiratory tract infections; Tertiary Prevention; Study of exacerbations in COPD.*

### Group Leader

Torán Monserrat, Pere

### Researchers

Borrell Thió, Eulàlia  
Garriga Bacardí, M. Roser  
Maneus Quintela, Sandra  
Mezquiriz Ferrero, Francisco Javier  
Monteagudo Zaragoza, Mònica  
Montellà Jordana, Núria  
Morales Requena, Daniela Raquel  
Muñoz Ortiz, Laura  
Negrete Palma, Antonio  
Ocaña Padilla, Antonia  
Rodríguez Álvarez, Maria del Mar  
Rotllant Estelrich, Guida  
Simonet Aineto, Pere Josep  
Urrea Vegas, Magali  
Vallejo Domingo, Antonio

### Research Projects

**IP:** Simonet Aineto, Pere Josep. *Factores predictivos de ingreso hospitalario en las exacerbaciones de EPOC tratadas inicialmente en Atención Primaria.* Funding: ICS - Institut Català de la Salut. Duration: 2014 - 2017

**IP:** Medrano Jiménez, Rafael. *Termometría plantar y pie de riesgo en Atención Primaria. Estudio Termopiedi.* Funding: Fundació d'Atenció Primària (CAMFiC). Duration: 2014 - 2016

**IP:** Roig Remon, Lydia. *Nou punt de tall del quocient FEV1/FEV6 mesurat amb el Vitalograph COPD6 pel cribatge de la MPOC en atenció primària.* Funding: Fundació d'Atenció Primària (CAMFiC). Duration: 2014 - 2016

**IP:** Martín Cantera, Carlos. *Evaluación de la eficacia de una intervención basada en la disminución de las horas de sedestación en pacientes con sobrepeso u obesidad moderada (proyecto SEDESTACTIV). Ensayo clínico aleatorio controlado.* Funding: Universidad Europea de Madrid S.L.U. Duration: 2014 - 2016

**IP:** Caballería Rovira, Llorenç. *Esteatosis hepática no alcohólica con a factor de risc de malaltia cardiovascular i renal.* Funding: IDIAP Jordi Gol. Duration: 2014 - 2016

- IP:** Monteagudo Zaragoza, Mònica. *Real life evidence of Eklira®/Bretaris® Genuair® in Catalonia*. Funding: IMS Health, S.A. Duration: 2014 - 2016
- IP:** Monteagudo Zaragoza, Mònica. *Trends in prevalence and burden of non-cystic fibrosis bronchiectasis in Catalonia*. Funding: Bayer Pharma AG. Duration: 2014 - 2016
- IP:** Montero Alía, Pilar. *Efectividad de una intervención realizada en atención primaria de la consola Wii de Nintendo para mejorar el equilibrio y disminuir las caídas en personas mayores*. Funding: Instituto de Salud Carlos III. Duration: 2013 - 2016
- IP:** Bolívar Ribas, Bonaventura. *Diseño de una intervención compleja multiriesgo en Atención Primaria para fomentar conductas promotoras de salud en la población de 45 a 75 años: ensayo clínico exploratorio multicéntrico*. Funding: Instituto de Salud Carlos III. Duration: 2013 - 2016
- IP:** Bolívar Ribas, Bonaventura. *The appropriateness of prescribing antibiotics in primary health care in Europe with respect to antibiotic resistance*. Funding: IDIAP Jordi Gol. Duration: 2014 - 2015
- IP:** Rodríguez Álvarez, María del Mar. *Impacto del síndrome de apnea del sueño en la morbilidad cardiovascular: estudio de cohortes de base poblacional*. Funding: IDIAP Jordi Gol. Duration: 2014 - 2015
- IP:** Rodríguez González, Luis. *Detecció precoç de malalties cròniques del fetge en població adulta aparentment sana*. Funding: Fundació Acadèmia de les Ciències Mèdiques. Duration: 2013 - 2015
- IP:** Rodríguez Rodríguez, Rafael. *Anàlisi i definició de les competències interculturals dels professionals d'infermeria d'Atenció Primària*. Funding: Fundació Acadèmia de les Ciències Mèdiques. Duration: 2013 - 2015
- IP:** Miravittles Fernández, Marc. *Evolución de los patrones de tratamiento inicial en los pacientes con EPOC de nuevo diagnóstico de 2007-2012*. Funding: Novartis Farmacéutica, S.A. Duration: 2013 - 2015
- IP:** Miravittles Fernández, Marc. *Déficit de alfa-1antitripsina. Identificación de carencias en el diagnóstico y seguimiento en Cataluña*. Funding: Grifols Inc. Duration: 2013 - 2015
- IP:** de la Poza Abad, Mariam. *Ensayo clínico sobre la evaluación de la prescripción diferida de antibióticos en las infecciones respiratorias agudas no complicadas en pediatría (PDA-pediatría)*. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015
- IP:** Alzamora Sas, M<sup>a</sup> Teresa. *Incidencia de arteriopatía periférica y relación con factores de riesgo cardiovascular y morbilidad cardiovascular a los 5 años de seguimiento de la cohorte poblacional ARTPER*. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015
- IP:** Montesinos Sanz, Susanna. *Efectividad de una intervención breve en mayores de 64 años con consumo de riesgo de alcohol en atención primaria. Ensayo clínico aleatorizado comunitario*. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015
- IP:** Caballería Rovira, Llorenç. *Detección precoz de enfermedades crónicas del hígado en población adulta aparentemente sana*. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015
- IP:** Bolívar Ribas, Bonaventura. *Efectividad de una intervención para mejorar la adecuación de la indicación de hipolipemiantes en prevención primaria: ensayo clínico aleatorizado*. Funding: Ministerio de Sanidad y Política Social e Igualdad. Duration: 2012 - 2015
- IP:** Simonet Aineto, Pere Josep. *Estudio CRITIKAL. Relación entre el grado de control del asma y factores asociados al manejo de dispositivos de inhalación*. Funding: ICS - Institut Català de la Salut. Duration: 2012 - 2015
- IP:** Torán Monserrat, Pere. *RETINAL, Sistema de análisis y procesamiento de imagen de Retinografía, como herramienta de apoyo a la detección de infarto cerebral silencioso*. Funding: ULMA Innovacion, SL. Duration: 2012 - 2015
- IP:** Marzo Castillejo, María Merce. *The effect of consumption of kiwi fruit on constipation in adults*. Duration: 2013 - 2014
- IP:** Montero Alía, Pilar. *Es pot millorar l'equilibri de les persones grans amb la consola Wii?* Funding: Fundacion MAPFRE. Duration: 2012 - 2014
- IP:** Lacasta Tintorer, David. *Impacto de la implementación de una herramienta de colaboración clínica en red entre profesionales de atención primaria y especializada en la reducción del número de derivaciones (ECOPIH)*. Funding: Departament de Salut. Duration: 2012 - 2014
- IP:** Massot Mesquida, Mireia. *Adequació del tractament de l'osteoporosi en prevenció primària*. Funding: Fundacio Privada Mutuam Conviure. Duration: 2012 - 2014
- IP:** Alventosa Zaidin, Marina. *Bloqueig de branca i morbiditat cardiovascular*. Funding: Fundació d'Atenció Primària (CAMFIC). Duration: 2012 - 2014

**IP:** Urrea Vegas, Magali. *Utilitat dels diagnòstics d'infermeria per determinar el grau d'adherència terapèutica en els pacients crònics d'atenció primària*. Funding: Col·legi Oficial d'Infermeria de Barcelona. Duration: 2011 - 2014

**IP:** Guiriquet Capdevila, Carolina. *Efectividad de una alerta electrónica en la historia clínica informatizada para aumentar la participación desde Atención Primaria en un Programa de Cribado de Cáncer Colorrectal*. Funding: Instituto de Salud Carlos III. Duration: 2011 - 2014

**IP:** Bolívar Ribas, Bonaventura. *The appropriateness of prescribing antibiotics in primary health care in Europe with respect to antibiotic resistance*. Funding: European Commission. Duration: 2009 - 2014

## Articles

Acera A, Manresa JM, Rodriguez D, Rodriguez A, Bonet JM, Sanchez N, Hidalgo P, Soteras P, Toran P, Trapero-Bertran M, Lozano I, De Sanjose S. Analysis of three strategies to increase screening coverage for cervical cancer in the general population of women aged 60 to 70 years: the CRICERVA study. *BMC women's health*. 2014 ; 14:86. doi:10.1186/1472-6874-14-86. pii:1472-6874-14-86. pmc:PMC4106208. PMID:25026889.

Arteaga I, Buezo I, Expósito C, Pera G, Rodríguez L, Alumà A, Auladell MA, Torán P, Caballería L. Non-invasive markers of fibrosis in the diagnosis of non-alcoholic fatty liver disease. *Gastroenterología y hepatología*. 2014 Nov; 37(9):503-10. doi:10.1016/j.gastrohep.2014.03.009. pii:S0210-5705(14)00086-7. PMID:24746708. **FI: 0,832**

Chamarro A, Carbonell X, Manresa JM, Munoz-Mirallès R, Ortega-Gonzalez R, Lopez-Morrón MR, Batalla-Martinez C, Toran-Monserrat P. The Questionnaire of Experiences Associated with Video games (CERV): an instrument to detect the problematic use of video games in Spanish adolescents. *Adicciones*. 2014 ; 26(4):303-11. PMID:25578001.

Company-Llimona A, Sánchez-Mato M, Coloma-Salas T, Gómez-Gil AM, Martínez-Rivero JL, Muñoz-Ortiz L. Intervenció grupal del síndrome subacromial en atención primaria. *Rehabilitación (Madr)*. 2014;48(2):82-92.

Dacosta-Aguayo R, Graña M, Fernández-Andújar M, López-Cancio E, Cáceres C, Bargalló N, Barrios M, Clemente I, Monserrat PT, Sas MA, Dávalos A, Auer T, Mataró M. Structural integrity of the contralesional hemisphere predicts cognitive impairment in ischemic stroke at three months. *PloS one*. 2014 ; 9(1):e86119. doi:10.1371/journal.pone.0086119. pii:PONE-D-13-38475. pmc:PMC3901679. PMID:24475078. **FI: 3,534**

Fàbregas M, Berges I, Fina F, Hermosilla E, Coma E, Méndez L, Medina M, Calero S, Serrano E, Morros R, Monteagudo M, Bolívar B. Effectiveness of an intervention designed to optimize statins use: a primary prevention randomized clinical trial. *BMC family practice*. 2014 ; 15:135. doi:10.1186/1471-2296-15-135. pii:1471-2296-15-135. pmc:PMC4112648. PMID:25027229. **FI: 1,735**

Fernández-Andújar M, Soriano-Raya JJ, Miralbell J, López-Cancio E, Cáceres C, Bargalló N, Barrios M, Arenillas JF, Toran P, Alzamora M, Clemente I, Dávalos A, Mataró M. Thalamic diffusion differences related to cognitive function in white matter lesions. *Neurobiology of aging*. 2014 May; 35(5):1103-10. doi:10.1016/j.neurobiolaging.2013.10.087. pii:S0197-4580(13)00555-1. PMID:24238657. **FI: 4,853**

Forés R, Alzamora MT, Pera G, Torán P, Urrea M, Heras A. Concordance between 3 methods of measurement the ankle-brachial index to diagnose peripheral artery disease. *Medicina clínica*. 2014 Oct; 143(8):335-40. doi:10.1016/j.medcli.2013.10.029. pii:S0025-7753(14)00081-5. PMID:24703416. **FI: 1,252**

Guiriquet-Capdevila C, Muñoz-Ortiz L, Rivero-Franco I, Vela-Vallespín C, Vilarrubí-Estrella M, Torres-Salinas M, Grau-Cano J, Burón-Pust A, Hernández-Rodríguez C, Fuentes-Peláez A, Reina-Rodríguez D, De León-Gallo R, Mendez-Boo L, Torán-Monserrat P. Can an alert in primary care electronic medical records increase participation in a population-based screening programme for colorectal cancer? COLO-ALERT, a randomised clinical trial. *BMC cancer*. 2014 ; 14:232. doi:10.1186/1471-2407-14-232. pii:1471-2407-14-232. pmc:PMC3976172. PMID:24685117. **FI: 3,319**

Jiménez M, Dorado L, Hernández-Pérez M, Alzamora MT, Pera G, Torán P, Gomis M, Pérez de la Ossa N, Millán M, Escudero D, Dávalos A, Arenillas JF, López-Cancio E. Ankle-brachial index in screening for asymptomatic carotid and intracranial atherosclerosis. *Atherosclerosis*. 2014 Mar; 233(1):72-5. doi:10.1016/j.atherosclerosis.2013.12.021. pii:S0021-9150(13)00774-0. PMID:24529125. **FI: 3,971**

López-Olóriz J, López-Cancio E, Arenillas JF, Hernández M, Dorado L, Dacosta-Aguayo R, Barrios M, Soriano-Raya JJ, Miralbell J, Bargalló N, Cáceres C, Torán P, Alzamora M, Dávalos A, Mataró M. Diffusion tensor imaging, intracranial vascular resistance and cognition in middle-aged asymptomatic subjects. *Cerebrovascular diseases (Basel, Switzerland)*. 2014 ; 38(1):24-30. doi:10.1159/000363620. pii:000363620. PMID:25196863. **FI: 3,698**

Martín-Borràs C, Giné-Garriga M, Martínez E, Martín-Cantera C, Puigdoménech E, Solà M, Castillo E, Beltrán AM, Puig-Ribera A, Trujillo JM, Pueyo O, Pueyo J, Rodríguez B, Serra-Paya N. Effectiveness of a primary care-based intervention to reduce sitting time in overweight and obese patients (SEDESTACTIV): a randomized controlled trial; rationale and study design. BMC public health. 2014 ; 14:228. doi:10.1186/1471-2458-14-228. pii:1471-2458-14-228. pmc:PMC3973868. PMID:24597534. **FI: 2,321**

Muñoz-Miralles R, Ortega-González R, Batalla-Martínez C, López-Morón MR, Manresa JM, Torán-Monserrat P. Access and use of new information and telecommunication technologies among teenagers at high school, health implications. JOITIC Study. Atención primaria / Sociedad Española de Medicina de Familia y Comunitaria. 2014 Feb; 46(2):77-88. doi:10.1016/j.aprim.2013.06.001. pii:S0212-6567(13)00187-X. PMID:24035765. **FI: 0,894**

Simonet PJ, Marzo MM. Evidències de los nuevos medicamentos para la enfermedad pulmonar obstructiva crónica. [Article revisió]. Form Med Cont Atenc Prim. 2014;21 (6):347-354.

Soriano-Raya JJ, Miralbell J, López-Cancio E, Bargalló N, Arenillas JF, Barrios M, Cáceres C, Toran P, Alzamora M, Dávalos A, Mataró M. Tract-specific fractional anisotropy predicts cognitive outcome in a community sample of middle-aged participants with white matter lesions. Journal of cerebral blood flow and metabolism: official journal of the International Society of Cerebral Blood Flow and Metabolism. 2014 May; 34(5):861-9. doi:10.1038/jcbfm.2014.26. pii:jcbfm201426. pmc:PMC4013764. PMID:24549185. **FI: 5,339**

Vila-Rigat R, Panadès Valls R, Hernandez Huet E, Sivecas Maristany J, Blanché Prat X, Muñoz-Ortiz L, Torán Monserrat P, Rabell Santacana V. Prevalence of Work-Related Asthma and its Impact in Primary Health Care. Archivos de bronconeumología. 2014 Oct; doi:10.1016/j.arbres.2014.08.010. pii:S0300-2896(14)00349-4. PMID:25446866. **FI: 1,816**

Zamora A, Carrión C, Cordon F, Galí B, Balló E, Quesada M, Grau A, Castro A, Torrent S, Vargas S, Vilert E, Subirats E, Coll G, Muñoz L, Cerezo C, Torán P. Skills in clinical communication: are we correctly assessing them at undergraduate level? Journal of Technology and Science Education. 2014;4(2):89-100.

## Prizes

Second prize. Gestión de un area de conocimiento. XII Premios Profesor Barea. Adecuación y calidad de las ecografías abdominales solicitadas por los profesionales de atención primaria. Caballería L, Pera G, Rodriguez L, Casas JD, Miranda MD, Sánchez MC, Auladell MA, Buezo I, Expósito C, Arteaga I, Torán P.

Best Póster. 2a Jornada Nacional Monogràfica. El Pie diabético. ¿Un Enfoque Multidisciplinar? Termometría plantar y pie de riesgo. Medrano R, Vallejo A, Pol M, García E, Gil E, Vilches O, representant al grup Termopiedi.

Best Poster. 78th EGPRN-meeting, Barcelona. Effectiveness of an alert in the primary care electronic medical record to promote participation in a population-based colorectal cancer screening programme. Guiriguat C, Vela C, Rivero I, Vilarrubí M, Buron A, Muñoz L.

## Indicators

|                                                                                   |                |
|-----------------------------------------------------------------------------------|----------------|
| Researchers with PhD                                                              | 1              |
| Total number of projects in which group members have participated                 | 30             |
| Total number of projects in which the PI of the project has belonged to the group | 7              |
| Total Funding                                                                     | 1.117.877,85 € |
| Scientific publications in indexed journals                                       | 12             |
| Total Impact factor                                                               | 33,56          |
| Nº of articles in Q1 journals                                                     | 5              |
| Q1 IF                                                                             | 21,395         |
| Nº of articles in Q2 journals                                                     | 3              |
| Q2 IF                                                                             | 7,375          |

## Research Group: GRRVO (Respiratory diseases)

This is a multidisciplinary group composed of family doctors, nurses, pneumologists and paediatricians, almost all of them working in clinical care. For eleven years the group has been organising biannual symposium on COPD and asthma in primary health care, and for the last seven years it has organised a smoking symposium jointly with the Catalan Society of Family and Community Medicine (CAMFiC).

The group's objective is to research the causes and consequences of obstructive respiratory diseases.

*Lines: Validation of a primary health care questionnaire on the quality of life of COPD patients and a study of the perception of the patient's quality of life in relation to the disease's degree of severity. Knowledge and measurement of the infradiagnosis of occupational asthma and its repercussion on the demand for health services. Study of the effectiveness of different types of interventions for ending the smoking habit.*

### Group Leader

Roig Remon, Lydia



### Researchers

Albi Visús, Núria  
Arteaga Salinas, Maite  
Balaguer Garriga, Francesc  
Blanche Prat, F. Xavier  
Hernandez Huet, Enric  
Jordà Recort, Margarita  
Llobet Agulló, M. Pilar  
Mota Jiménez, Gemma  
Panadès Valls, Rafael  
Pastor Ramon, Esther  
Pérez Tortosa, Santiago  
Rabell Santacana, Ventura  
Sivecas Maristany, Joan  
Vila Rigat, Rosa

### Research Projects

**IP:** Roig Remon, Lydia. *Nou punt de tall del quocient FEV1/FEV6 mesurat amb el Vitalograph COPD6 pel cribatge de la MPOC en atenció primària*. Funding: Fundació d'Atenció Primària (CAMFiC). Duration: 2014 - 2016

**IP:** Rodríguez Álvarez, Maria del Mar. *Impacto del síndrome de apnea del sueño en la morbilidad cardiovascular: estudio de cohortes de base poblacional*. Funding: IDIAP Jordi Gol. Duration: 2014 - 2015

### Articles

Vila-Rigat R, Panadès Valls R, Hernandez Huet E, Sivecas Maristany J, Blanché Prat X, Muñoz-Ortiz L, Torán Monse-  
rrat P, Rabell Santacana V. Prevalence of Work-Related Asthma and its Impact in Primary Health Care. Archivos de  
bronconeumología. 2014 Oct; doi:10.1016/j.arbres.2014.08.010. pii:S0300-2896(14)00349-4. PMID:25446866. **FI: 1,816**



## Indicators

|                                                   |            |
|---------------------------------------------------|------------|
| Investigadors amb doctorat                        | 1          |
| Nº Projectes total (IP o col·laborador)           | 2          |
| Nº Projectes IP (IP pertany grup)                 | 1          |
| Finançament obtingut (tots: IP o no, convoc o no) | 6.000,00 € |
| Publicacions científiques en revistes indexades   | 1          |
| Factor d'impacte de la producció científica. Suma | 1,82       |
| Nº Publicacions en revistes Q1                    | 0          |
| Q1 FI                                             |            |
| Nº Publicacions en revistes Q2                    | 0          |
| Q2 FI                                             |            |

## Research Group: MPOC-BCN (Respiratory Diseases in Primary Care)

The research group is made up of health professionals belonging to primary health care service centres in Barcelona's Eixample Dreta and the pneumological service of the Hospital Sant Pau. It includes doctors and nurses from primary health care, specialised health care and the rehabilitation service. The group emerged as a consequence of the need to adequately coordinate the available health resources and to establish uniformity and consensus for the activities of the different levels of health care involved in its handling. It originated with the creation of the COPD Process, a multidisciplinary program joining primary and hospital care for the improved treatment of COPD.

The group's objective, therefore, is to improve care of respiratory diseases through research into health services and applied clinical research (organisational management models, coordination between health care levels, reduction of variability) in order to improve the handling of these patients and their clinical results.

*Lines: Improved care of respiratory diseases in primary health care.*

### Group Leader

Llauger Rosselló, Maria Antònia



### Researchers

Álvarez Álvarez, Sílvia  
Aoiz Linares, J. Ignacio  
Argemí Saburit, Núria  
Bolíbar Ribas, Ignasi  
Domínguez Olivera, Leandra  
Feijoo Rodríguez, M Victoria  
Flor Escriche, Xavier  
Fraga Martínez, M. Mar  
Freixas Laporta, Montserrat  
Giner Donaire, Jordi  
Juvanteny Gorgals, Joan  
Lamarca Fornell, Laia  
Mas Pujol, Montserrat  
Medrano Medrano, Casimira  
Ostiz Zubieta, Fabián  
Pedro Pijoan, Ana Maria  
Peiró Fàbregas, Meritxell  
Plaza Moral, Vicente  
Pou Giménez, Maria Antònia  
Solanes García, Ingrid  
Valero Garcia, Carles  
Valverde Trillo, Pepi

## Research Projects

**IP:** Simonet Aineto, Pere Josep. *Factores predictivos de ingreso hospitalario en las exacerbaciones de EPOC tratadas inicialmente en Atención Primaria*. Funding: ICS - Institut Català de la Salut. Duration: 2014 - 2017

**IP:** Flor Escriche, Xavier. *PAquete Mínimo para el Asma (PAMA). Abordaje desde Atención Primaria*. Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2017

**IP:** Ostiz Zubieta, Fabián. *Avaluació de la eficàcia de la neuroestimulació del nervi tibial en el síndrome de l'intestí irritable. Estudi clínic, prospectiu i aleatoritzat*. Funding: ICS - Institut Català de la Salut. Duration: 2014 - 2015

**IP:** García Gil, Maribel. *Avaluació d'una intervenció del dolor d'esquena des de l'Atenció Primària: programa d'educació sanitària en l'àmbit escolar*. Funding: ICS - Institut Català de la Salut. Duration: 2014 - 2015

**IP:** Díaz Gete, Laura. *Efectividad de una intervención con seguimiento por correo electrónico del abandono sostenido del tabaquismo (Estudio TABATIC). Ensayo clínico aleatorizado controlado multicéntrico*. Funding: Instituto de Salud Carlos III. Duration: 2012 - 2015

**IP:** Díaz Gete, Laura. *Efectividad de una intervención con seguimiento por correo electrónico del abandono sostenido del tabaquismo (Estudio TABATIC). Ensayo clínico aleatorizado controlado multicéntrico*. Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2014

**IP:** Juvanteny Gorgals, Joan. *Validació del qüestionari RAS\_HO amb la pulsioximetria nocturna domiciliària com a mètode de cribatge de la Síndrome de Apnees i Hipoapnees del Son (SAHS) en Atenció Primària*. Funding: ICS - Institut Català de la Salut. Duration: 2013 - 2014

## Articles

Carrera E, Pareja C, Fernández MI, Boixadera M, Zamora JJ, Furió P, López J, Guerrero MM, Mendoza MD, Calero ME, Esgueva N, Brau A, Murillo C, Martínez J, Casanovas C, Casademunt N, Argemí N. *Estudi ATDOM-O2: Fase I. Estan formades les professionals d'infermeria d'atenció primària en oxigenoteràpia crònica domiciliària?* *Annals de Medicina*. 2014;97:100-102.

Escarraill J, Torrente E, Esquinas C, Hernández C, Monsó E, Freixas M, Almagro P, Tresserras R. *Clinical audit of patients hospitalized due to COPD exacerbation. MAG-I Study*. *Archivos de bronconeumologia*. 2014 Nov; doi:10.1016/j.arbres.2014.06.023. pii:S0300-2896(14)00345-7. PMID:25447590. **FI: 1,816**

Giner J, Plaza V, Rigau J, Solà J, Bolívar I, Sanchis J. *Spirometric standards and patient characteristics: an exploratory study of factors affecting fulfillment in routine clinical practice*. *Respiratory care*. 2014 Dec; 59(12):1832-7. doi:10.4187/respcare.03066. pii:respcare.03066. PMID:25233388. **FI: 1,840**

Llauger MA, Rosas A, Burgos F, Torrente E, Tresserras R, Escarraill J. *Accessibility and use of spirometry in primary care centers in Catalonia*. *Atención primaria / Sociedad Española de Medicina de Familia y Comunitaria*. 2014 Jun-Jul; 46(6):298-306. doi:10.1016/j.aprim.2013.12.012. pii:S0212-6567(14)00029-8. PMID:24768654. **FI: 0,894**

Rodrigo CJ, Plaza V. *Efficacy and safety of indacaterol and Glycopyrronium in COPD: an update*. *Chest*. 2014 Aug; 146(2):e75. doi:10.1378/chest.14-0850. pii:1891817. PMID:25091780. **FI: 7,132**

## Indicators

|                                                                                   |              |
|-----------------------------------------------------------------------------------|--------------|
| Researchers with PhD                                                              | 1            |
| Total number of projects in which group members have participated                 | 7            |
| Total number of projects in which the PI of the project has belonged to the group | 3            |
| Total Funding                                                                     | 134.541,11 € |
| Scientific publications in indexed journals                                       | 4            |
| Total Impact factor                                                               | 11,68        |
| Nº of articles in Q1 journals                                                     | 1            |
| Q1 IF                                                                             | 7,132        |
| Nº of articles in Q2 journals                                                     | 0            |
| Q2 IF                                                                             |              |

## Research Group: OMRA (Observatory for the study of asbestos-related illnesses)

The observatory is made up of doctors from five specialties – family medicine, epidemiology, pneumology, occupational medicine and preventive medicine – who come from primary health care in the health region of Metropolitan North Vallès, the Catalan Institute for Medical Evaluation, and the hospitals of Vall d'Hebron and Parc Taulí.

Its objective is double: on one hand, it aims to create an observatory to make an accurate protocol based record of information of people with asbestos related diseases, irrespective of whether they are alive or not, with the condition that the information available for these people be valid, reliable and confidential, so that from it a guide to clinical practice may be created. On the other hand, it aims to develop instruments for the early detection of asbestos related diseases, and approach strategies for these patients coordinated between primary and specialised health care and taking into account both therapeutic aspects and integrated attention of patients and their families.

*Lines: Asbestos related diseases: information, prevention and early detection, health care, therapy, socio-health care and training.*

### Group Leader

Abós Herrándiz, Rafael



### Researchers

Albertí Casas, Constança  
García Allas, Isabel  
Grimau Malet, Isidre  
Krier Günther, Ilona  
Martínez Artés, Xavier  
Orriols Martínez, Ramon  
Rosell Murphy, Magdalena  
Tarrés Olivella, Josep

### Research Projects

**IP:** Bolívar Ribas, Bonaventura. *Efectividad de una intervención para mejorar la adecuación de la indicación de hipolipemiantes en prevención primaria: ensayo clínico aleatorizado*. Funding: Ministerio de Sanidad y Política Social e Igualdad. Duration: 2012 - 2015

**IP:** Abós Herrándiz, Rafael. *Estudio de factores asociados a la enfermedad relacionada con el amianto en atención primaria en un área de la provincia de Barcelona. Estudio de casos y controles*. Funding: Instituto de Salud Carlos III. Duration: 2011 - 2014

### Articles

Rosell-Murphy M, Bonet-Simó JM, Baena E, Prieto G, Bellerino E, Solé F, Rubio M, Krier I, Torres P, Mimoso S. Intervention to improve social and family support for caregivers of dependent patients: ICIAS study protocol. BMC family practice. 2014; 15:53. doi:10.1186/1471-2296-15-53. pii:1471-2296-15-53. pmc:PMC4230240. PMID:24666438. **FI: 1,735**

Santiago A, Panda S, Mengels G, Martinez X, Azpiroz F, Dore J, Guarner F, Manichanh C. Processing faecal samples: a step forward for standards in microbial community analysis. BMC microbiology. 2014 ; 14:112. doi:10.1186/1471-2180-14-112. pii:1471-2180-14-112. pmc:PMC4021188. PMID:24884524. **FI: 2,976**

## Indicators

|                                                                                   |             |
|-----------------------------------------------------------------------------------|-------------|
| Researchers with PhD                                                              | 3           |
| Total number of projects in which group members have participated                 | 2           |
| Total number of projects in which the PI of the project has belonged to the group | 1           |
| Total Funding                                                                     | 58.414,20 € |
| Scientific publications in indexed journals                                       | 2           |
| Total Impact factor                                                               | 4,71        |
| Nº of articles in Q1 journals                                                     | 0           |
| Q1 IF                                                                             |             |
| Nº of articles in Q2 journals                                                     | 2           |
| Q2 IF                                                                             | 4,711       |

## 9. Production not Included in Research Groups

### 9.1 Articles

Álamo MD, Sala N, Millet JP, Ortega L, Rovira C, Comet D. Potentially excluded population from health coverage and health impact since Royal Decree 16/2012: The Central Catalonia experience. *Atención Primaria Basada en la Evidencia*. 2014; Disponible a: [http://apps.elsevier.es/watermark/ctl\\_servlet?\\_f=10&pident\\_articulo=0&pident\\_usuario=0&pcontactid=&pident\\_revista=27&ty=0&accion=L&origen=zonadelectura&web=zl.elsevier.es&lan=es&fichero=S0212-6567\(14\)00160-7.pdf&eop=1&early=si](http://apps.elsevier.es/watermark/ctl_servlet?_f=10&pident_articulo=0&pident_usuario=0&pcontactid=&pident_revista=27&ty=0&accion=L&origen=zonadelectura&web=zl.elsevier.es&lan=es&fichero=S0212-6567(14)00160-7.pdf&eop=1&early=si)

Albaladejo C. Crisis hipertensivas: pseudocrisis, urgencias y emergencias. *Hipertensión y Riesgo Vascular*. 2014;31(4):132-142.

Albareda M, Ravello A, Castelló M, Saborit S, Peramiqúel L, Vila L. Metabolic syndrome and its components in patients with psoriasis. *SpringerPlus*. 2014; 3:612. doi:10.1186/2193-1801-3-612. pii:1318. pmc:PMC4210451. PMID:25392783.

Aldaz Herce P, Batalla Martínez C, Comín Bertrán E, Gómez Marco JJ, Gómez Roig S, Martín Martín S, Morató Agustí ML, Puig Barberá J, Schwarz G. [In Process Citation]. *Atención primaria / Sociedad Española de Medicina de Familia y Comunitaria*. 2014 Jun; 46 Suppl 4:42-58. doi:10.1016/S0212-6567(14)70050-2. pii:S0212-6567(14)70050-2. PMID:24950630. **FI: 0,894**

Alexandre S, Marquilles C, Torra JE, Llobet M. Nutrición y cicatrización en heridas crónicas. [Article Original]. *Revista de enfermería comunitaria*. 2014;37(5):338-342.

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## 9.2 Research Projects

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Incidencia y factores de riesgo asociados a la hospitalización por exacerbación de la enfermedad pulmonar obstructiva crónica y determinación de las efectividades de las vacunaciones antigripal y antineumocócica 23-V. IRB Lleida. 2013-2014. PI: Montserrat J. RC: Pena M, Sánchez V.

Anàlisi i definició de les competències interculturals dels professionals d'infermeria d'Atenció Primària. Fundació Acadèmia de les Ciències Mèdiques. 2013-2014. PI: Rodríguez R. RC: Arnau J, Fernandez MN, Güell A, Maynegre M, Mendes SC, Muñoz L, Negrete A, Ortega A, Torán P, Urrea M.

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