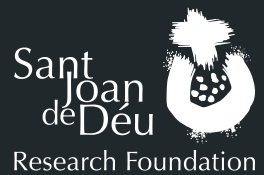


SANT JOAN DE DÉU
ANNUAL SCIENTIFIC
REPORT
2018



research
science
innovation
commitment



1

FOREWORD

3

1.1. Introduction

4

1.2. Governing and advisory bodies

5

1.3. Services and infrastructures

6

2

FUNDACIÓ DE RECERCA SANT JOAN DE DÉU

7

2.1. Global numbers 2018

8

2.2. Financial resources management

9

2.3. Publications

9

3

RESEARCH

10

3.1. Institut de Recerca Sant Joan de Déu

11

Global numbers 2018

12

3.2. Social Research

13

Research group on nursing, education and society

14

3.3. General Medicine Research

15

Clinical and epidemiologic research on high-prevalence disorders

16

Research and innovation in surgery

17

Patient safety

18

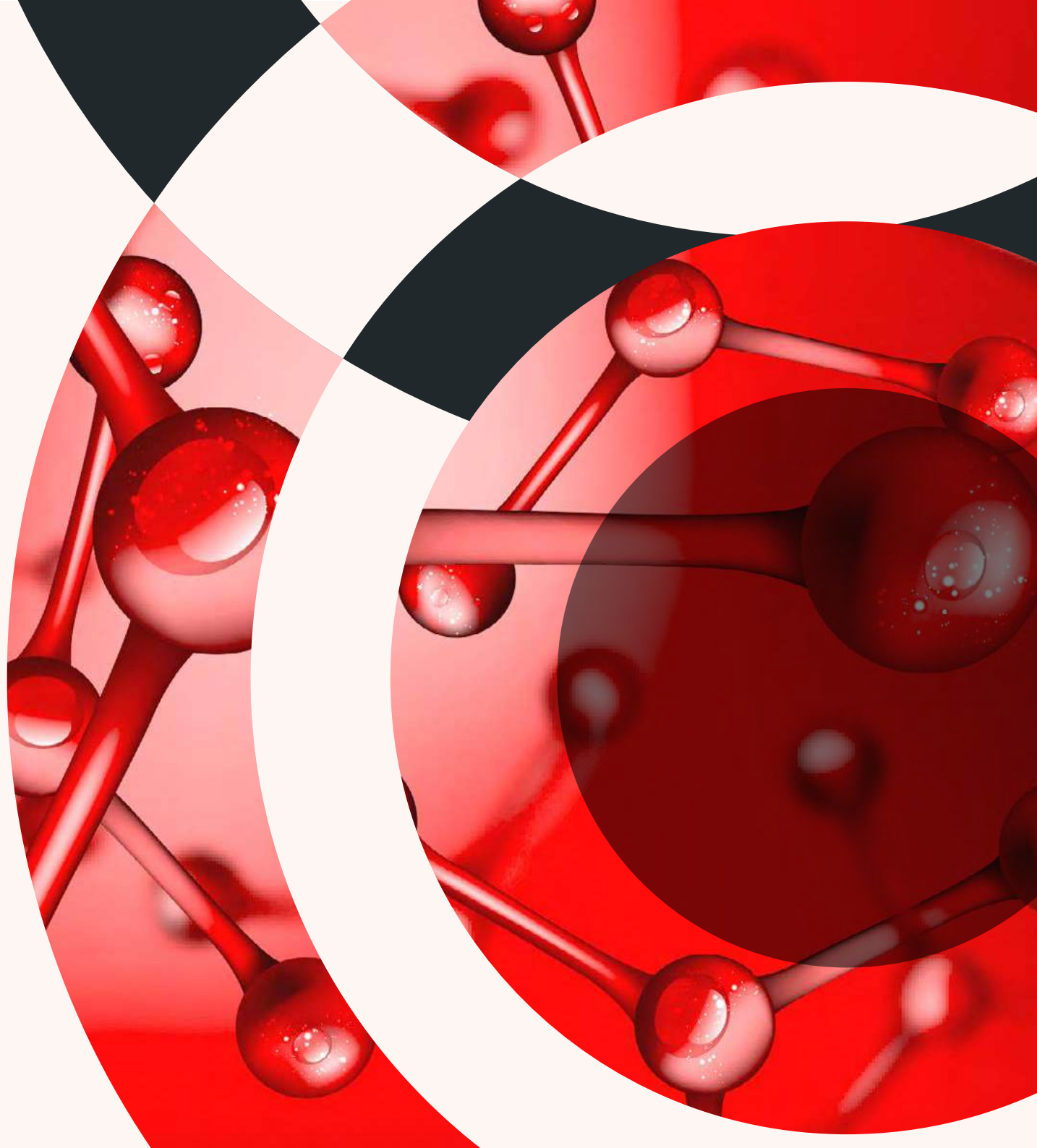
NOTES

19



1 FOREWORD

- 1.1. Introduction
- 1.2. Governing and advisory bodies
- 1.3. Services and infrastructures





1.1. Introduction

The Sant Joan de Déu Research Foundation promotes and manages the research conducted at the Saint John of God centres of the Aragon-San Rafael Province.

Part of this research is done at the Institut de Recerca Sant Joan de Déu (IRSJD). And the same time, the Sant Joan de Déu Research Foundation also supports the research conducted outside the framework of the IRSJD. This activity takes place in two different spheres: the Social Area, mainly involving researchers of the Campus Docent Sant Joan de Déu, and the General Medicine Area, formed by research groups of the Parc Sanitari Sant Joan de Déu.

This Report covers all the research activity conducted by the consolidated and emerging research groups over the course of 2018.

The overall figures for 2018 also include complete information on researchers, research projects, publications and clinical trials based at the Sant Joan de Déu centres, whether or not they form part of the aforementioned groups.

1.2. Governing and advisory bodies

Board of trustees

Br. Joaquim Erra Mas
Manuel Del Castillo Rey
Enric Mangas Monge
Amèlia Guilera Roche
Natàlia Pérez Neira
Montserrat Esquerda Areste
Dídac Ramírez i Sarrió
Jordi Alberch Vié
Esther Real Saladrigas

Superior of Hospital Sant Joan de Déu in Esplugues de Llobregat, President
General Manager, Hospital Sant Joan de Déu in Esplugues de Llobregat
Director, Parc Sanitari Sant Joan de Déu
Director, Campus Docent Sant Joan de Déu
Financial Director, Hospital Sant Joan de Déu in Esplugues de Llobregat, Secretary
General Director, Institut Borja de Bioètica
Rector, Universitat de Barcelona (UB)
Research Vice-Rector, Universitat de Barcelona (UB)
Knowledge Transfer Vice-Rector, Universitat Politècnica de Catalunya (UPC)

Scientific Advisory Council

Antonio L. Andreu
Maria A. Blasco
Jordi Camí i Morell
Michael B. King
Marisa Montolio
Carlos Rodríguez-Galindo
Maithe Tauber
Montserrat Vendrell i Rius

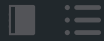
Scientific director. European infrastructure for translational medicine (EATRIS)
Director. Centro Nacional de Investigaciones Oncológicas (CNIO)
Director. Parc de Reserca Biomèdica de Barcelona & Fundació Pasqual Maragall
London's Global University. Division of Psychiatry
Scientific director. Duchenne Parent Project, Spain
Executive vice-president. St. Jude Children's Research Hospital
Paediatric endocrinologist. Institut des Sciences du Cerveau, de la Cognition et du Comportement de Toulouse (ISC3T)
Partner. Alta Life Sciences

Governing Committee of Sant Joan de Déu Research Foundation

Emili Bargalló Angerri, *director*
Josep Maria Haro Abad
Jaume Pérez Payarols
Roser Arnalte Olloquequi
Clara Goula Mallofrè
Joana Claverol Torres
Ana Maria Merino Márquez

Governing Committee of Sant Joan de Déu Research Foundation

Br. Jesús Pineda Sánchez, <i>president</i>	Rosa Maria Dueñas Herrero
Pau Ferrer Salvans, <i>secretary</i>	Sabel Gabaldón Fraile
Br. Fernando Aguiló Martínez	Maria Teresa Giner Muñoz
Clara Chamorro Pérez	Encarna Gómez Gamboa
Ofelia Cruz Martínez	Iolanda Jordan Garcia
Br. Ricardo Dasí Aranda	Maria Eugènia Rey Abella
Angel del Campo Escota	Bernabé Robles del Olmo
Beatriz del Pino Gaya	Joan Vinent Genestar



1.3. Services and infrastructures

The Sant Joan de Déu Research Foundation makes available to its researchers a set of fundamental services and infrastructures for the performance of their Projects. In order to facilitate high-level research, the Foundation offers its professionals technical, scientific and support services as well as the most suitable infrastructures required to carry out their work:

Scientific core facilities

- Clinical Trials Unit
- Sequencing Unit
- Confocal Microscopy Unit
- Animal housing facility
- Biobank
- Methodological and statistical support
- Methodological support in neuroimaging
- Scientific and technical evaluations service
- Library

Management support services

- Administration and human resources
- Clinical Research Ethics Committee
- Research management and Promotion
- Management of knowledge and Communication



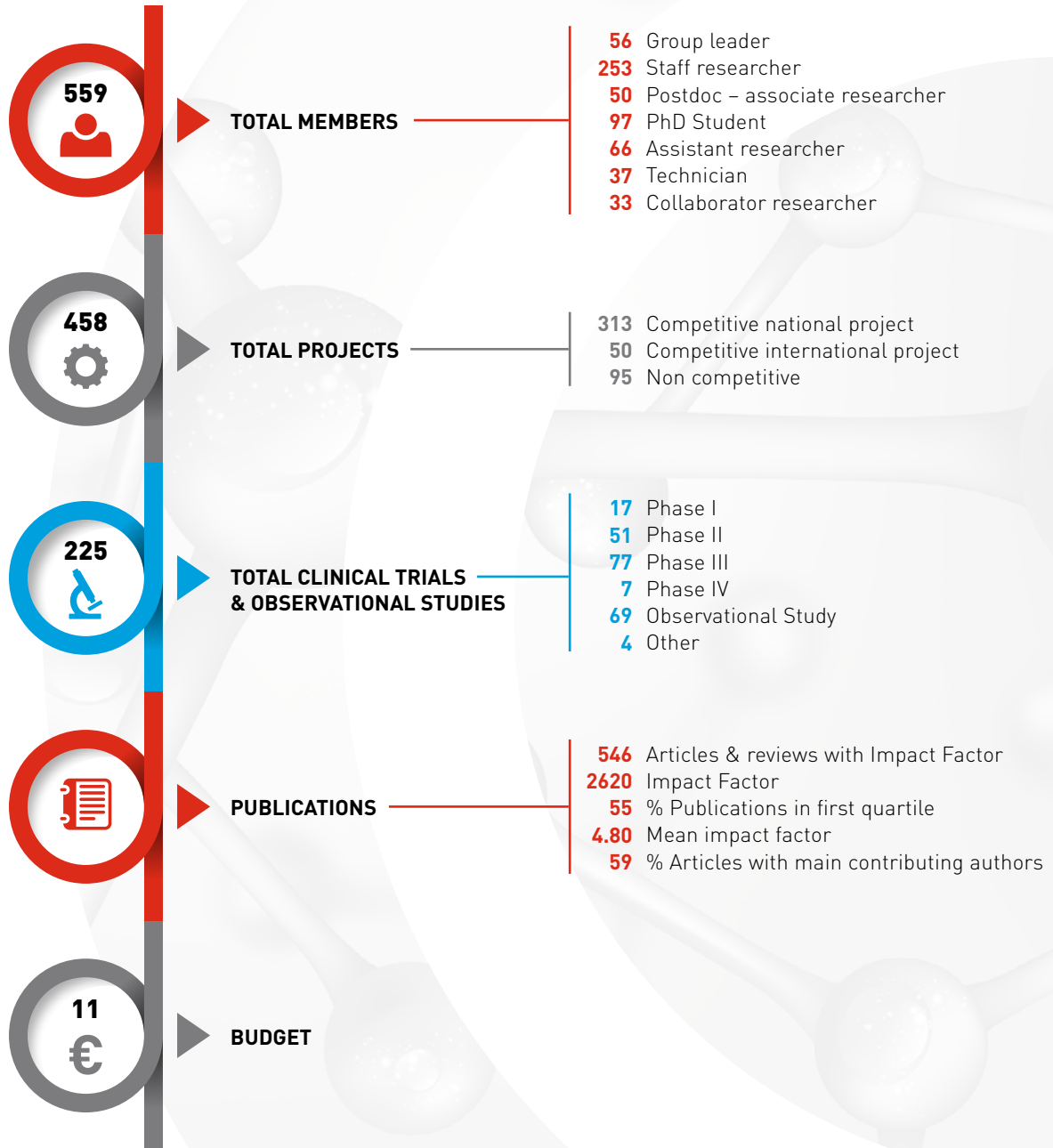
2

FUNDACIÓ DE RECERCA SANT JOAN DE DÉU

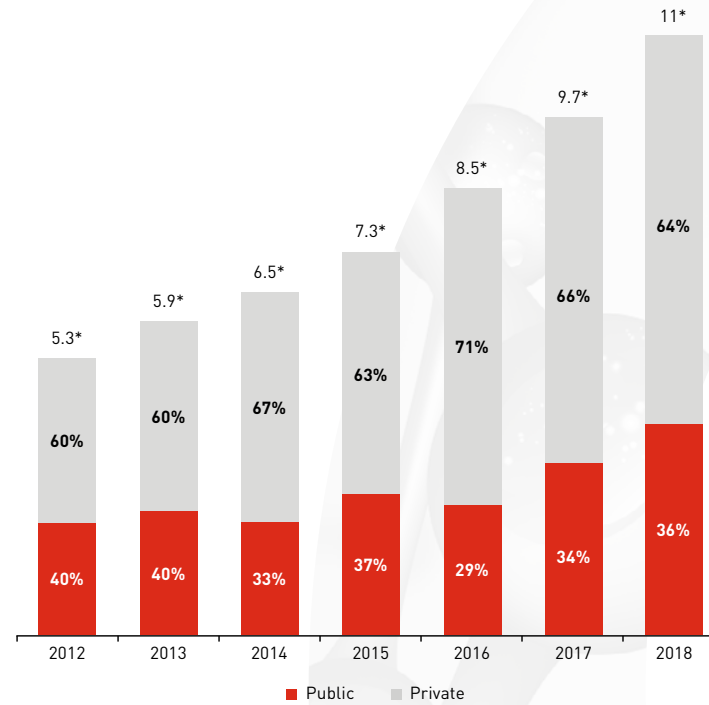
- 2.1. Global numbers 2018
- 2.2. Financial resources management
- 2.3. Publications



2.1. Global numbers 2018

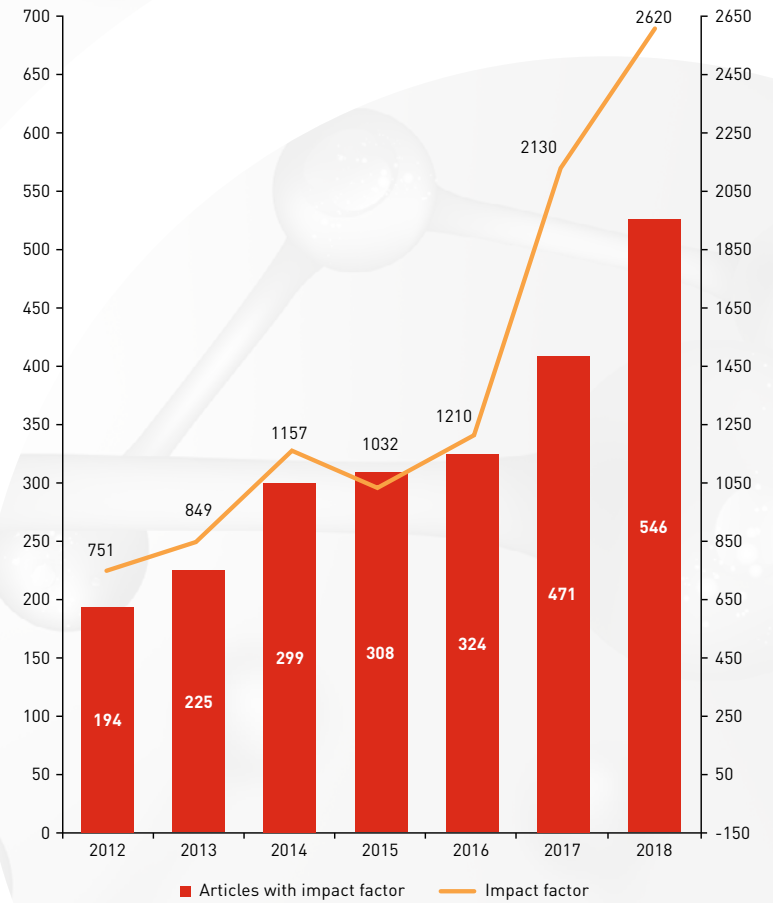


2.2. Financial resources management



* Thousand of euros

2.3. Publications

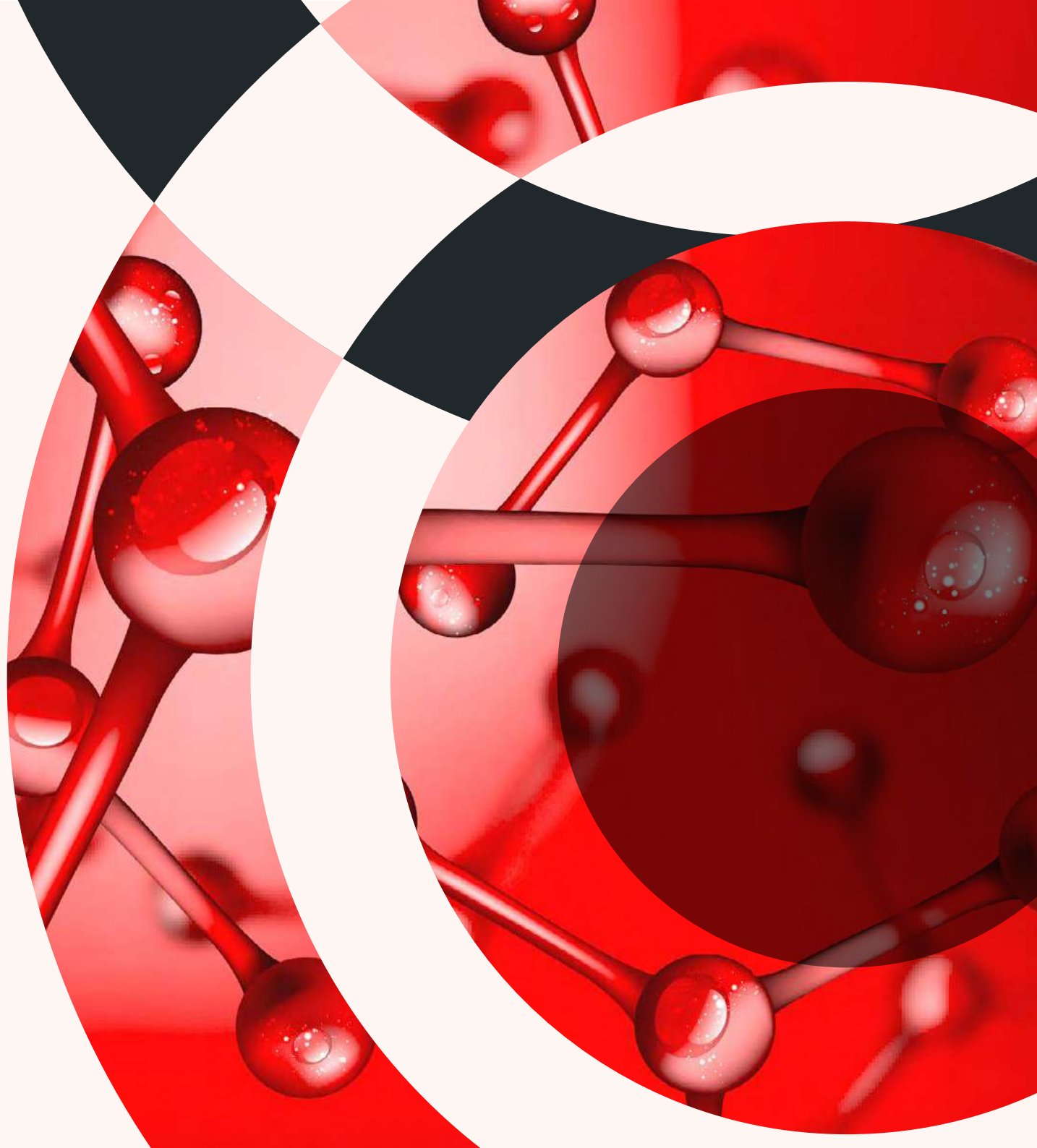




3

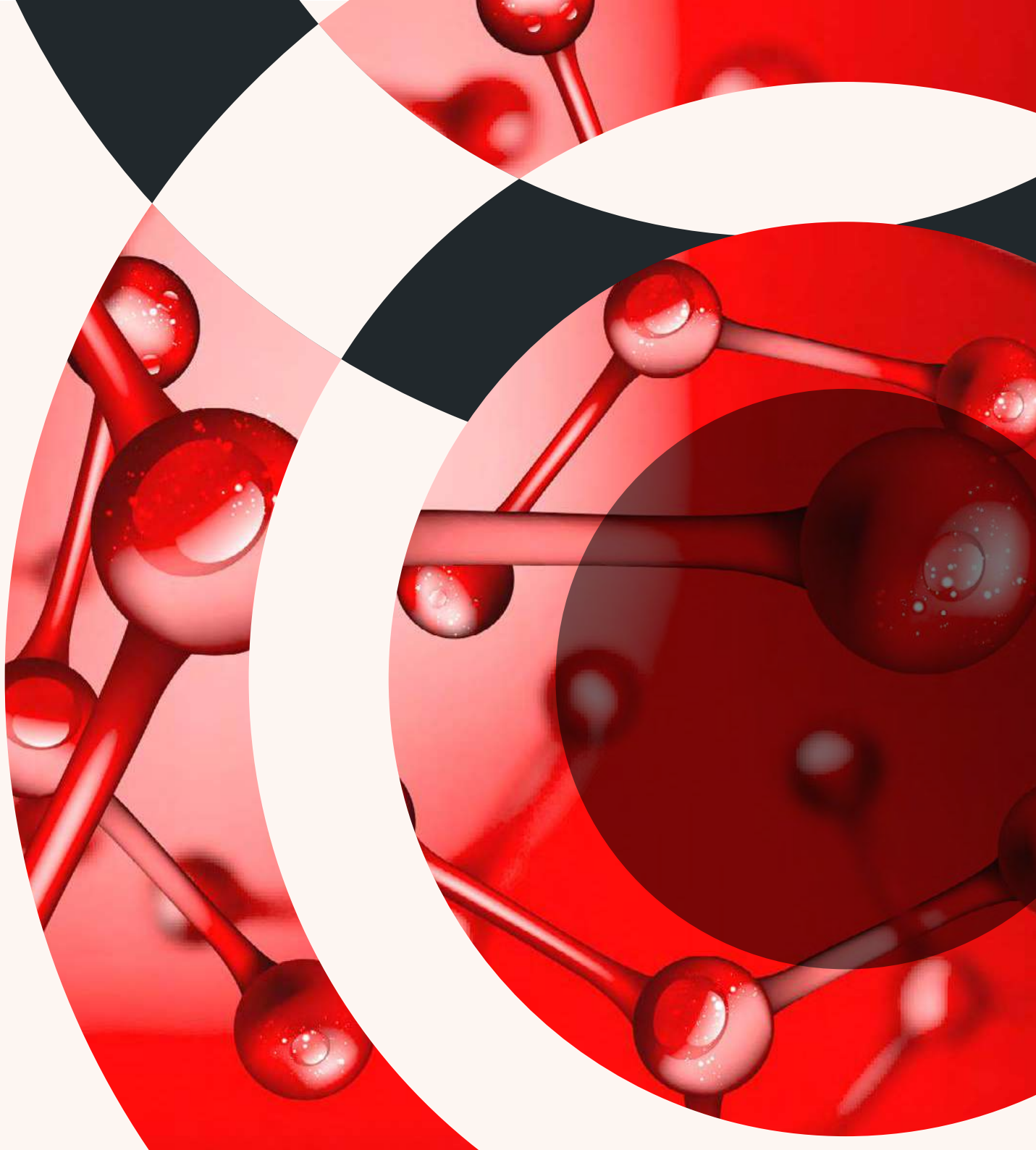
RESEARCH

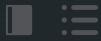
- 3.1. Institut de Recerca Sant Joan de Déu
- 3.2. Social Research
- 3.3. General Medicine Research



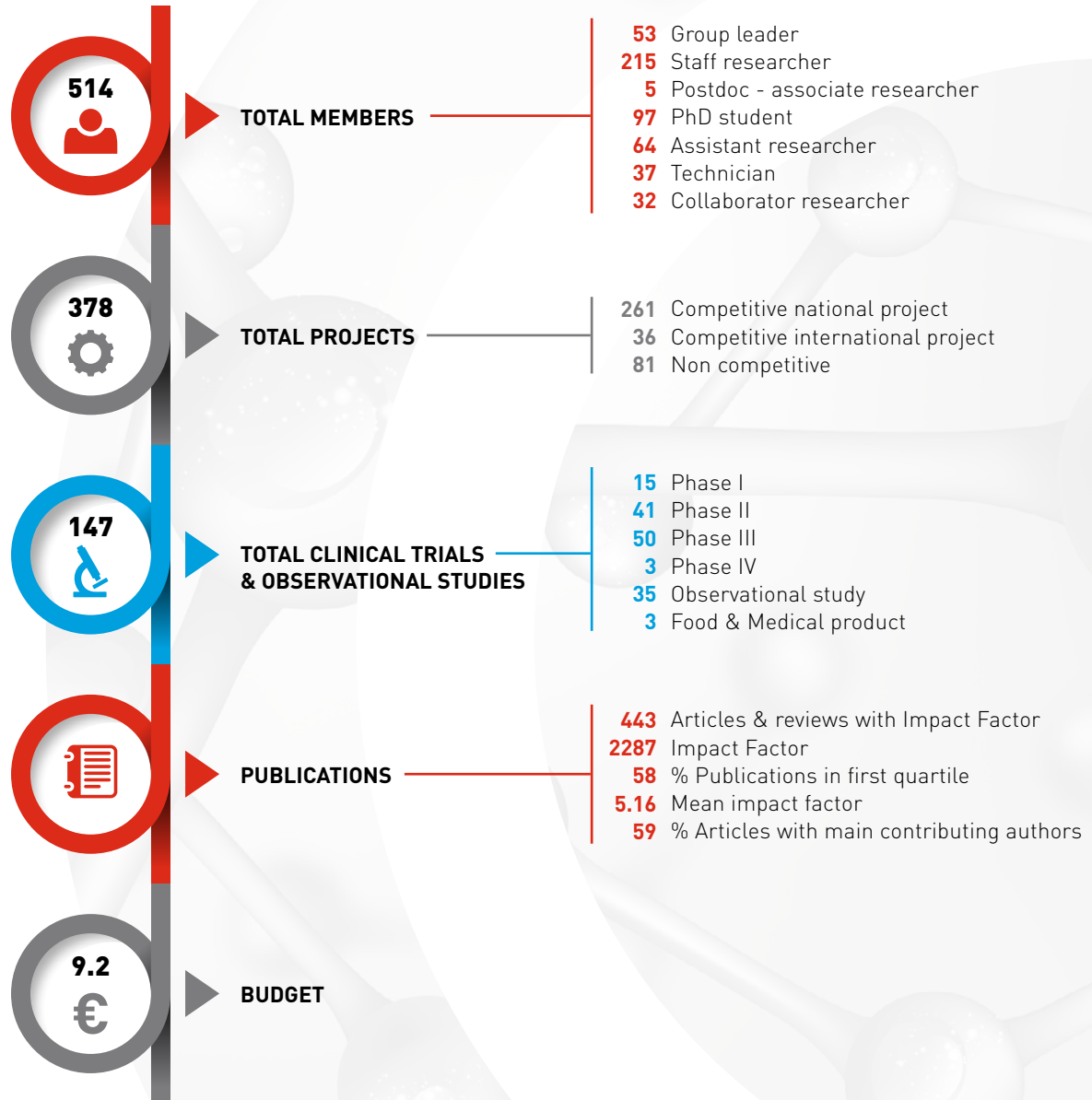


3.1.
Institut de Recerca
Sant Joan de Déu



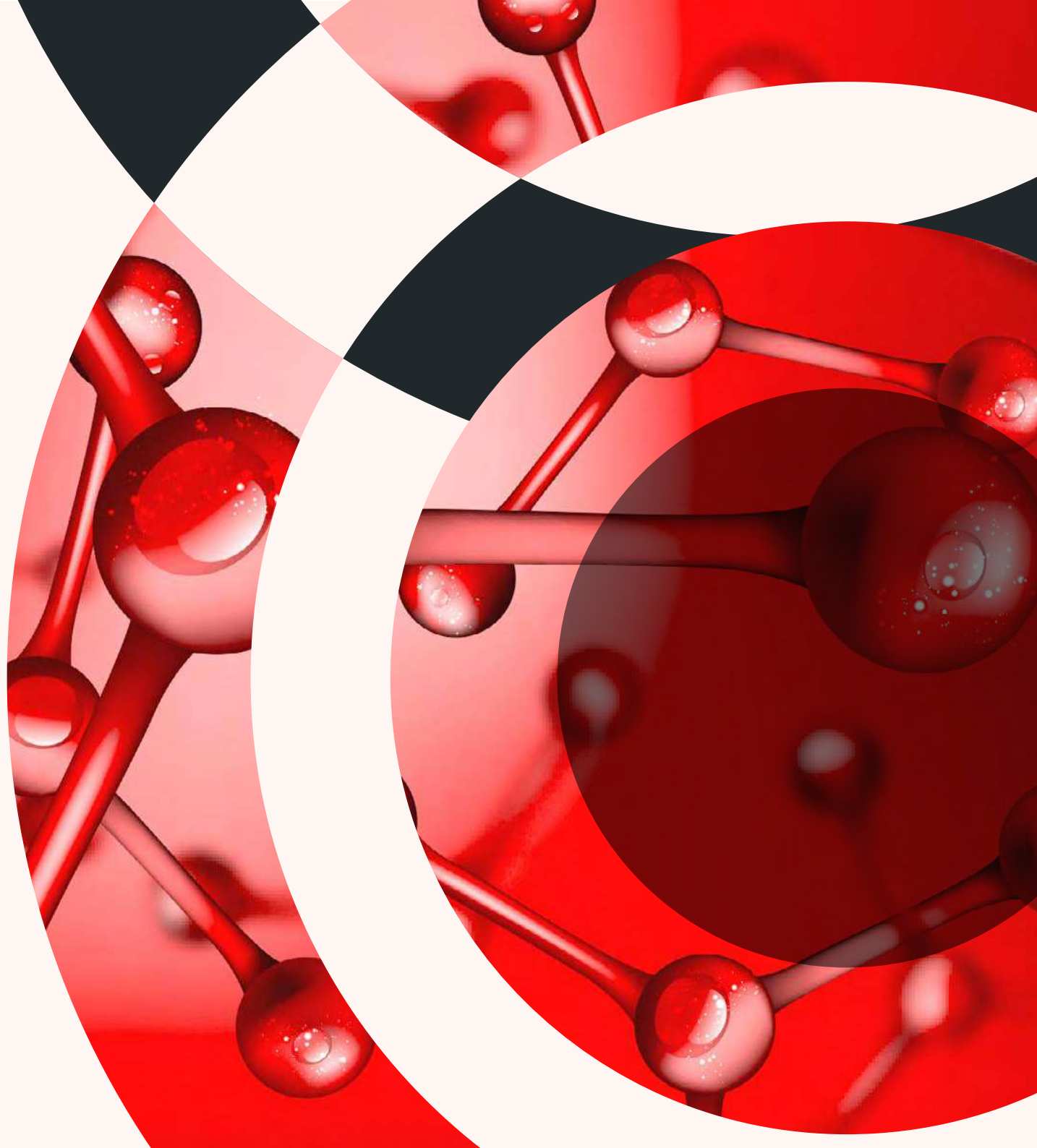


Global numbers 2018





3.2. Social Research



RESEARCH GROUP ON NURSING, EDUCATION AND SOCIETY

Juan Roldán Merino, PhD

Members

Staff researcher

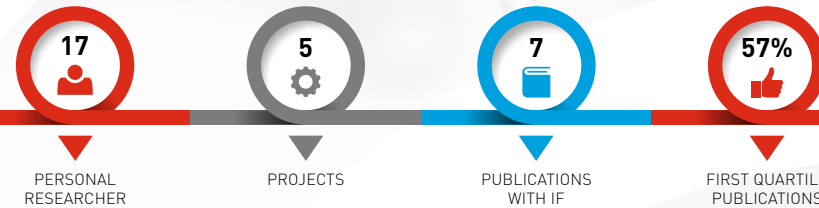
Óscar Bautista Villaécija, Ainoa Biurrun Garrido, Marta Callarisa Roca, Ariadna Graells Sans, Amèlia Guilera Roche, Mariona Farrés Tarafa, Bárbara Hurtado Pardos, Esther Insa Calderon, Carmen Jérez Molina, David Lorenzo Izquierdo, Laura Martínez Rodríguez, María José Morera Pomarede, Dolores Miguel Ruiz, Carlos Nebot Bergua, Anna Ramió Jofre, Núria Roca Caparà

3

RESEARCH

3.2.

Social Research



Selected projects

- Nursing bachelor's degree students' perception of the learning process in primary care clinical internships. *Ajudes a la Recerca en Infermeria. Fundació Infermeria i Societat*. PI: Adrià Almazor. 10/2018-12/2021
- Adaptation to Spanish and reliability and validity study of the Creighton Simulation Evaluation Instrument (C-SEI) for nursing skills. *Projectes Recerca. Col·legi Oficial d'Infermeria de Barcelona*. PI: Mariona Farré Tarafa. 01/01/2015-31/01/2019

Selected publications

- Hurtado B, Casas I, Lluch-Canut T, Moreno-Arroyo C, Nebot C and Roldan-Merino J. Psychometric evaluation of a new instrument in Spanish to measure the wellness of university nursing faculty. *Arch Environ Occup Health* 2018. 73(1): 29-37. FI: 1,386(Q3)
- Graells-Sans A, Serral G, Puigpinós-Riera R and Grupo Cohort DAMA. Social inequalities in quality of life in a cohort of women diagnosed with breast cancer in Barcelona (DAMA Cohort). *CANCER EPIDEMIOL* 2018. 54: 38-47. FI: 2,888(Q1)

- Sánchez-Balcells S, Callarisa Roca M, Nathalia Francis Rodriguez Zunino, Puig Llobet M, Lluch-Canut T and Roldan-Merino J. Psychometric properties of instruments measuring quality and satisfaction in mental health: A systematic review. *J ADV NURS* 2018. 74(11): 2497-2510. FI: 2,267(Q1)
- Zuriguel-Pérez E, Lluch-Canut T, Agustino-Rodríguez S, Gómez-Martín MDC, Roldan-Merino J and Falcó Pegueroles A. Critical thinking: A comparative analysis between nurse managers and registered nurses. *J Nurs Manag* 2018. 26(8): 1083-1090. FI: 1,912(Q1)

Doctoral theses

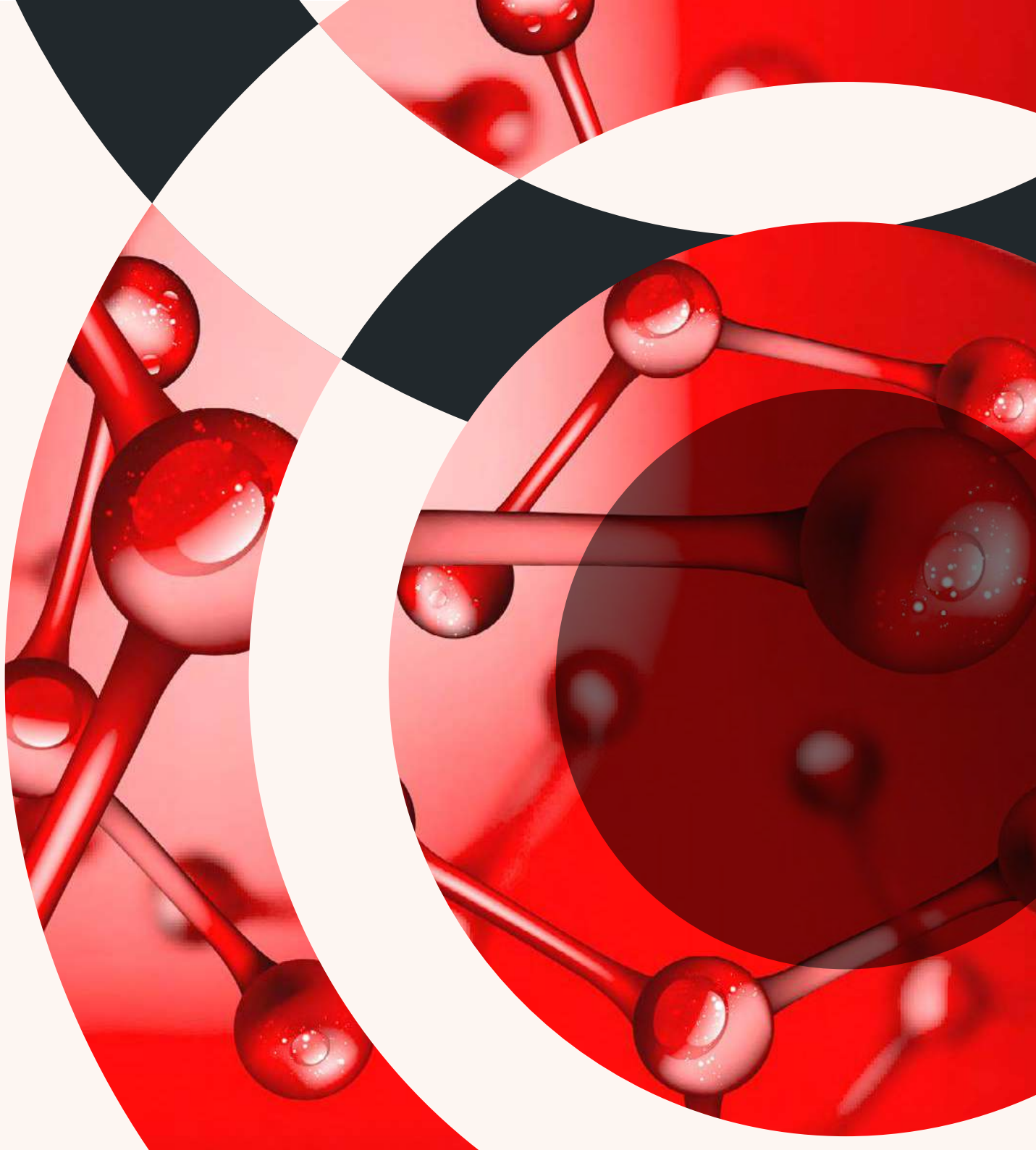
- La implantació de la Infermera Primària o Referent en una Unitat d'Oncologia – Hematologia Pediàtrica a través d'un procés d'Investigació- Acció- Participativa. Thesis Author: Laura Lahuerta Valls. Supervisors: Joan Blanco Blanco & Núria Roca Caparà. Presented in July.

Networks

- Xarxa de Recerca d'Infermeria de Salut Mental i Addiccions. Universitat de Barcelona.



3.3. General Medicine Research



CLINICAL AND EPIDEMIOLOGIC RESEARCH ON HIGH-PREVALENCE DISORDERS

Luis Lores Obradors, MD, PhD

Members

Group leader

Vicens Diaz de Brito

Staff researcher

Elisabeth Arellano Marcuello, Nuria Berrocal Izquierdo, Antonio Callen Soto, Anna Capellà Llovera, Alejandra Fernández Trujillo, M^a Araceli Gonzalez Cuevas, Rosana Hernando Salvador, Jaime Llopis Cañameras, Pablo Marchena Iglesias, Juan Manuel Nicolas Valero, Xoel Pena Perez, M^a Teresa Pascual Pape, Bernabé Robles del Olmo, Júlían Rodríguez Larrea, César Romero Menor, Elisabet Rovira Prat, Estefania Sánchez Martínez

Assistant researchers

Esmaeil Alibakhshi, Edwin Percy Pesantes Sangay

3

RESEARCH

3.3.

General Medicine
Research



Selected projects

- Influence of a physical activity programme on the improvement of quality of life in patients with SAHS and obesity. Ajuts recerca PSSJD. Parc Sanitari de Sant Joan de Déu -Serveis de Salut Mental. PI: Elisabeth Arellano Marcuello. 01/01/2017-31/12/2018
- SGR 2017_Grup de Recerca Clínica i Epidemiològica en Malalties d'Alta Prevalença. SGR 2017-2019. Agaur - Agència de Gestió d'Ajuts Universitaris i de Recerca. PI: Luis Lores Obradors. 01/01/2017-31/12/2020
- Development of analysis methods for early detection of lung cancer in urine. Continuity proposal. Propuesta de continuidad. Ayudas a proyectos de investigación. Sociedad Española de Neumología y Cirugía Torácica. PI: Maria Teresa Pascual Pape. 01/05/2017-31/04/2019

Selected clinical trials & observational studies

- European multicenter retrospective-prospective cohort study to observe Safinamide safety profile and pattern of use in clinical practice during the first post-commercialization phase. Promotor: Zambon S.A. PI: Antoni Callen Soto. 08/03/2017.
- Fase III. A Randomized, Double-Blind, Parallel Group, Multi-Center Study to Assess the Efficacy and Safety of PT009 compared to PT005 in Subjects With Moderate to Very Severe COPD. Codi EUDRACT: 2016-000155-28. Promotor: Pearl Therapeutics, Inc. PI: Luis Lores Obradors. 08/01/2016-
- Multi-centre randomised double-blind parallel-group trial to assess the effectiveness

and safety of PT009 versus PT005 in exacerbations of COPD during a treatment period of 52 weeks in subjects with moderate to highly severe COPD. Codi EUDRACT: 2016-000155-28. Promotor: Pearl Therapeutics, Inc. PI: Luis Lores Obradors. 30/12/2016-

Selected publications

- Muñoz L, Santin M, Alcaide F, Ruíz-Serrano MJ, Gijón P, Bermúdez E, et al. QuantiFERON-TB Gold In-Tube as a Confirmatory Test for Tuberculin Skin Test in Tuberculosis Contact Tracing: A Noninferiority Clinical Trial. Clin Infect Dis 2018. 66(3): 396-403. FI: 9,117(Q1)
- López-Antón R, Barrada JR, Santabárbara J, Posadas-de Miguel M, Agüera L, Burillo C, et al. Reliability and validity of the Spanish version of the IDEAL Schedule for assessing care needs in dementia: Cross-sectional, multicenter study. Int J Geriatr Psychiatry 2018. 33(3): 482-488. FI: 2,940(Q1)
- Lores L, Monje A, Bergada M, Arellano E, Rodriguez-Larrea J and Miravittles M. Prevalence of smoking in a psychiatric hospital and its relationship with respiratory symptoms and the prevalence of COPD. Int J Chron Obstruct Pulmon Dis 2018. 13: 2797-2804. FI: 2,917(Q2)
- Jiménez-Fonseca P, Carmona-Bayonas A, Font C, Plasencia-Martínez J, Calvo-Temprano D, Otero R, et al. The prognostic impact of additional intrathoracic findings in patients with cancer-related pulmonary embolism. Clin Transl Oncol 2018. 20(2): 230-242. FI: 2,392(Q3)

RESEARCH AND INNOVATION IN SURGERY

Oscar Izquierdo Corres, MD, PhD

Members

Staff researcher

Maria Rosa Cambra Martí, Manel Carreras Martínez, Juan Castellanos Robles, Manuel Céspedes Pérez, Jordi Comajuncosas Camp, Raul De Diego Burillo, Laia Estalella Mercadé, Luis Font Vizcarra, Laura García De Miguel, Pere J. Gris Garriga, Judit Hermoso Bosch, Jaime Jimeno Fraile, Jose Luís López Negre, Eva Maria Martínez Franco, Josep Ramón Mendez Paredes, Rolando Anastasio Orbeal Saenz, Joan Urgellés, Helena Vallverdú Cartié

3

RESEARCH

3.3.

General Medicine
Research



Selected projects

- Patients with residual lesions after an obstetric lesion of the anal sphincter complex: influence of functionality of pelvic floor muscles on incidence of anal incontinence symptoms. Parc Sanitari de Sant Joan de Déu -Serveis de Salut Mental. Beques Recerca PSSJD. AR201507. PI: Eva Maria Martínez Franco. 01/01/2016-31/12/2018
- Relation between serum levels of progesterone, estradiol and relaxin and the appearance of faecal incontinence symptoms during pregnancy and the postpartum period. Instituto de Salud Carlos III (ISCIII). FIS. PI13/00623. PI: Eva Maria Martínez Franco. 201/01/2014-30/06/2018
- PSSJD research grant – Effect of exoneurolysis of peripheral nerves on occurrence of ulcers in diabetic polyneuropathy. Beneficiari: Oscar Izquierdo. Parc Sanitari de Sant Joan de Déu -Serveis de Salut Mental. PI : Oscar Izquierdo Corres. 13/02/2014-31/12/2018

Selected clinical trials & observational studies

- Evaluation by anti-Müllerian hormone (AMH) of ovarian reserve after endometrial treatment by sclerosis with alcohol or surgery. PI: Manel Carreras Martínez. 14/11/2018-

- Evaluation by anti-Müllerian hormone (AMH) of ovarian reserve after endometrial treatment by sclerosis with alcohol or surgery. Estudio Piloto. Promotor: Amparo Garcia Tejedero. PI: Manel Carreras Martínez. 09/06/2016-
- ACNC0005 - PFP00037. Low molecular weight heparin (LMWH) for prevention of complications derived from placental insufficiency in patients at risk without thrombophilia: randomised multi-centre study. PI: Raul de Diego Burillo. 28/09/2011-

Selected publications

- Nuñez C, Theofanopoulou C, Carl Senior, Cambra-Martí MR, Usall J, Stephan-Otto C and Brebion G. A large-scale study on the effects of sex on gray matter asymmetry. BRAIN STRUCT FUNCT 2018. 223(1): 183-193. FI: 4,231(Q1)
- Pellitero S, Piquer-Garcia I, Ferrer-Curriu G, Puig R, Martínez Franco E, Moreno P, et al. Opposite changes in meteorin-like and oncostatin m levels are associated with metabolic improvements after bariatric surgery. Int J Obes (Lond) 2018. 42(4): 919-922. FI: 5,151(Q1)

PATIENT SAFETY

Ramón Mir Abellan, MD, PhD

Members

Staff researcher

Antonio Cruz Antolin, Maria Luisa de la Puente Martorell, Montserrat Escute Amat, Jose Miguel Ortiz Moreno

Collaborator researcher

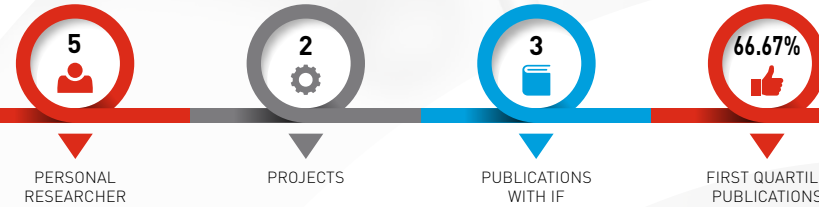
Anna Falcó Pegueroles

3

RESEARCH

3.3.

General Medicine
Research

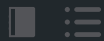


Selected projects

- Experience of the containment process from the nursing professional's standpoint. AFR PSSJD. Parc Sanitari de Sant Joan de Déu -Serveis de Salut Mental. PI : Ramón Mir Abellan. 01/12/2018-30/11/2020
- Impact of implementing a quality strategy on the culture of patient safety. Ajuts recerca PSSJD - Parc Sanitari de Sant Joan de Déu -Serveis de Salut Mental. AR201605. PI: Ramón Mir Abellan. 01/01/2017-31/12/2018

Selected publications

- Zuriguel-Pérez E, Lluch-Canut T, Agustino-Rodríguez S, Gómez-Martín MDC, Roldan-Merino J and Falcó Pegueroles A. Critical thinking: A comparative analysis between nurse managers and registered nurses. J Nurs Manag 2018. 26(8): 1083-1090. FI: 1,912(Q1)
- Shaw E, Gomila A, Piriz M, Perez R, Cuquet J, Vazquez A, et al. Multistate modelling to estimate excess length of stay and risk of death associated with organ/space infection after elective colorectal surgery. J Hosp Infect 2018. 100(4): 400-405. FI: 3,354(Q1)
- Bosch-Alcaraz A, Falcó Pegueroles A and Jordán-García I. A literature review of comfort in the paediatric critical care patient. J Clin Nurs 2018. 27(13-14): 2546-2557. FI: 1,635(Q2)



Notes

The **team members** of areas and groups presents all information of the group including external collaborators. The global numbers of the institution does not include external collaborators.

The number of **projects** shows the total number of projects managed and active during 2018.

Clinical trials and **observational studies** correspond to all those actives during 2018.

Publications include original articles and reviews published during 2018 (with assigned pagination) and authored by members of research groups during their membership. The impact factor and quartile assigned corresponds to the Journal Citation Reports of the Web of Science of 2017.

The **Budget** is the total resources managed by the Sant Joan de Déu Research Foundation.

June 2019

Research Foundation Sant Joan de Déu
Santa Rosa, 39-57
08950 Esplugues de Llobregat · Barcelona
T. 936 00 97 51
info@fsjd.org
www.fsjd.org

