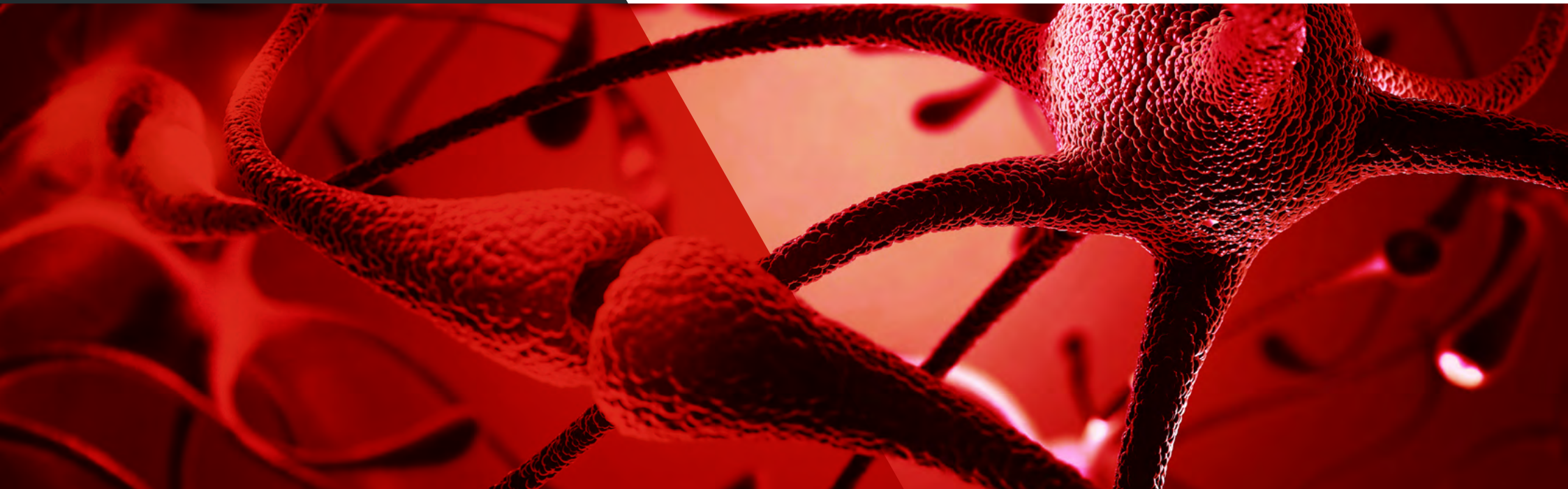


**SJD**

**Sant Joan de Déu**  
Fundació de Recerca

ANNUAL SCIENTIFIC  
**REPORT**  
**2019**



research · science · innovation · commitment

## Index

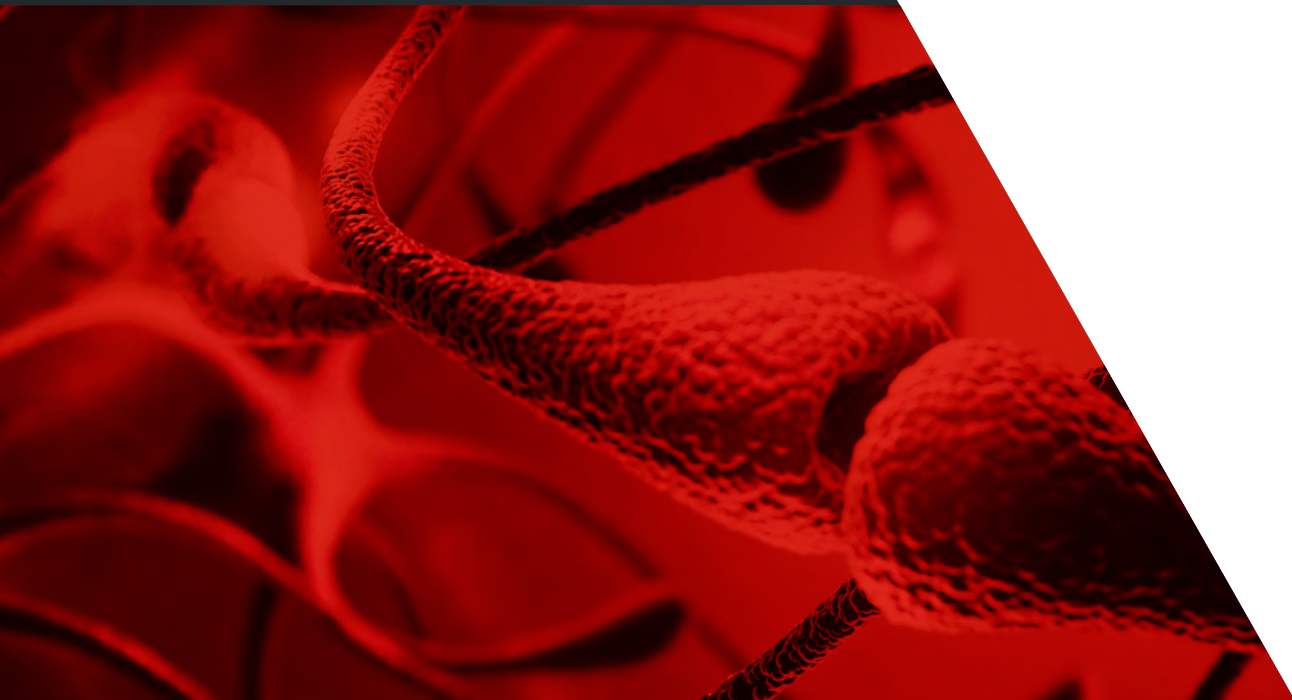
<b>1. FOREWORD</b>	<b>3</b>
Introduction	4
Governing and advisory bodies	5
Services and infrastructures	6
<b>2. FUNDACIÓ DE RECERCA SANT JOAN DE DÉU</b>	<b>7</b>
Global numbers 2019	8
Financial resources management	9
Publications	9
Global numbers 2015-2019	10
<b>3. RESEARCH</b>	<b>11</b>
Institut de Recerca Sant Joan de Déu	12
<b>Social Research</b>	<b>13</b>
Research group on nursing, education and society	14
<b>General Medicine Research</b>	<b>15</b>
Clinical and epidemiologic research on high-prevalence disorders	16
Research and innovation in surgery	17
Patient safety	18
<b>NOTES</b>	<b>19</b>



ANNUAL SCIENTIFIC  
**REPORT**  
2019

**SJD**

Sant Joan de Déu  
Fundació de Recerca



**1**

## **FOREWORD**

Introduction  
Governing and advisory bodies  
Services and infrastructures

## Introduction

Publication of the Scientific Annual Report culminates our year of research and research management here at the Sant Joan de Déu Research Foundation. A year in which researchers, management staff, support staff, etc. have made it possible to continue the advancement of biomedical and social research in both paediatric and adult populations, with special focus on mental health.

The Sant Joan de Déu Research Foundation promotes and manages the research activity of all centres of the Order of Brothers Hospitallers of Saint John of God, in the Aragón-San Rafael Arcángel ecclesiastical province. While the vast part of this research takes place at the Institut de Recerca Sant Joan de Déu (IRSJD), the Foundation also supports the research carried out at other centres. This activity can be grouped into two broad research areas: 1) Social Research carried out primarily at the Sant Joan de Déu Teaching Campus, and 2) General Medicine research undertaken by the various research groups at Sant Joan de Déu Health Park.

The 2019 Annual Report below offers an overview of the scientific activity of our consolidated and emerging research groups during the year, with a brief description of each and highlighting the most salient scientific projects and publications.

For the first time this year, we have included pooled global data of all the research managed by the Sant Joan de Déu Research Foundation between 2017 and 2019.

## Governing and advisory bodies

### BOARD OF TRUSTEES

**Jesús Pineda Sánchez**

Brother of the Hospitaller Order of St. John of God, President

**Joan Elias Garcia**

Rector of the University of Barcelona

**Domènec Espriu Climent**

Vice Rector for Research of the University of Barcelona

**Jordi Berenguer Sau**

Vice-Rector for Knowledge Transfer and Innovation of the Polytechnical University of Catalonia (UPC)

**Manuel Del Castillo Rey**

General Manager of Hospital Sant Joan de Déu in Esplugues de Llobregat

**Enric Mangas Monge**

Director of the Sant Joan de Déu Healthcare Park

**Amèlia Guilera Roche**

Director of the Sant Joan de Déu Educational Campus

**Natàlia Pérez Neira**

Financial Director of Hospital Sant Joan de Déu in Esplugues de Llobregat, Secretary

**Montserrat Esquerda Areste**

General Director of Institut Borja de Bioètica

### SCIENTIFIC ADVISORY COUNCIL

**Montserrat Vendrell i Rius**

Partner. Alta Life Sciences (President)

**Antonio L. Andreu**

Scientific director. European infrastructure for translational medicine (EATRIS)

**Maria A. Blasco**

Director. Centro Nacional de Investigaciones Oncológicas (CNIO)

**Jordi Cami i Morell**

Director. Parc de Recerca Biomèdica de Barcelona & Fundació Pasqual Maragall

**Marisa Montolio**

Scientific director. Duchenne Parent Project, Spain

**Michael B. King**

London's Global University. Division of Psychiatry

**Carlos Rodriguez-Galindo**

Executive vice-president. St. Jude Children's Research

**Maithe Tauber**

Hospital Paediatric endocrinologist. Institut des Sciences du Cerveau, de la Cognition et du Comportement de Toulouse (ISC3T)

### GOVERNING COMMITTEE OF SANT JOAN DE DÉU RESEARCH FOUNDATION

**Emili Bargalló Angerri**

Director

**Members**

Josep Maria Haro Abad  
Jaume Pérez Payarols  
Vanessa Andrés Romero  
Roser Arnalte Olloquequi  
Clara Goula Mallofrè  
Joana Claverol Torres  
Ana Maria Merino Márquez

### CLINICAL RESEARCH ETHICS COMMITTEE (CEIC)

**Jesús Pineda Sánchez**

President

**Bernabé Robles**

Vice president

**Neus Riba Garcia**

Secretary

**Members**

Fernando Aguiló Martínez  
Clara Chamorro Pérez  
Ofelia Cruz Martínez  
Angel del Campo Escota  
Beatriz del Pino Gaya  
Pau Ferrer Salvans  
Sabel Gabaldon Fraile  
Ana Maria Martin Ancel  
Laura Martínez Rodríguez  
Eduard Puig Vaquero  
María Eugenia Rey  
Marisa Serra Alacid  
Joan Vinent Genestar  
Carlota Romans Ruíz  
Angel Montero Carcaboso  
Yolanda Jordan Garcia

## Services and infrastructures

The Fundació de Recerca Sant Joan de Déu 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
- Unit of Design, Analysis and Interpretation of Omic data
- Sequencing Unit
- Confocal Microscopy Unit
- Animal housing facility
- Biobank
- Methodological and statistical support
- Methodological support in neuroimaging
- Scientific and technical evaluations service
- Biological Sample Processing and Molecular Analysis Service
- Patient Engagement in Research
- Library

### Management support services

- Administration and corporate finance
- Human resources
- Research management and Promotion
- Management of knowledge and Communication
- Clinical Research Ethics Committee



ANNUAL SCIENTIFIC  
**REPORT**  
2019

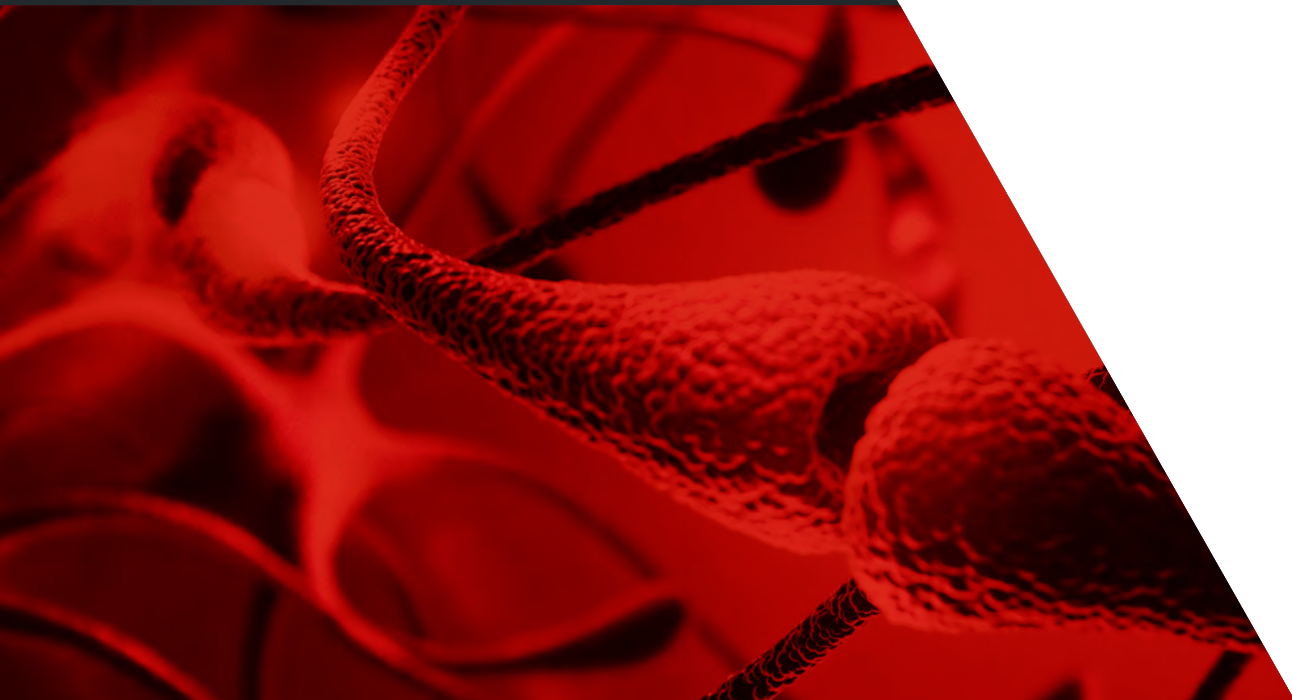
**SJD**

Sant Joan de Déu  
Fundació de Recerca

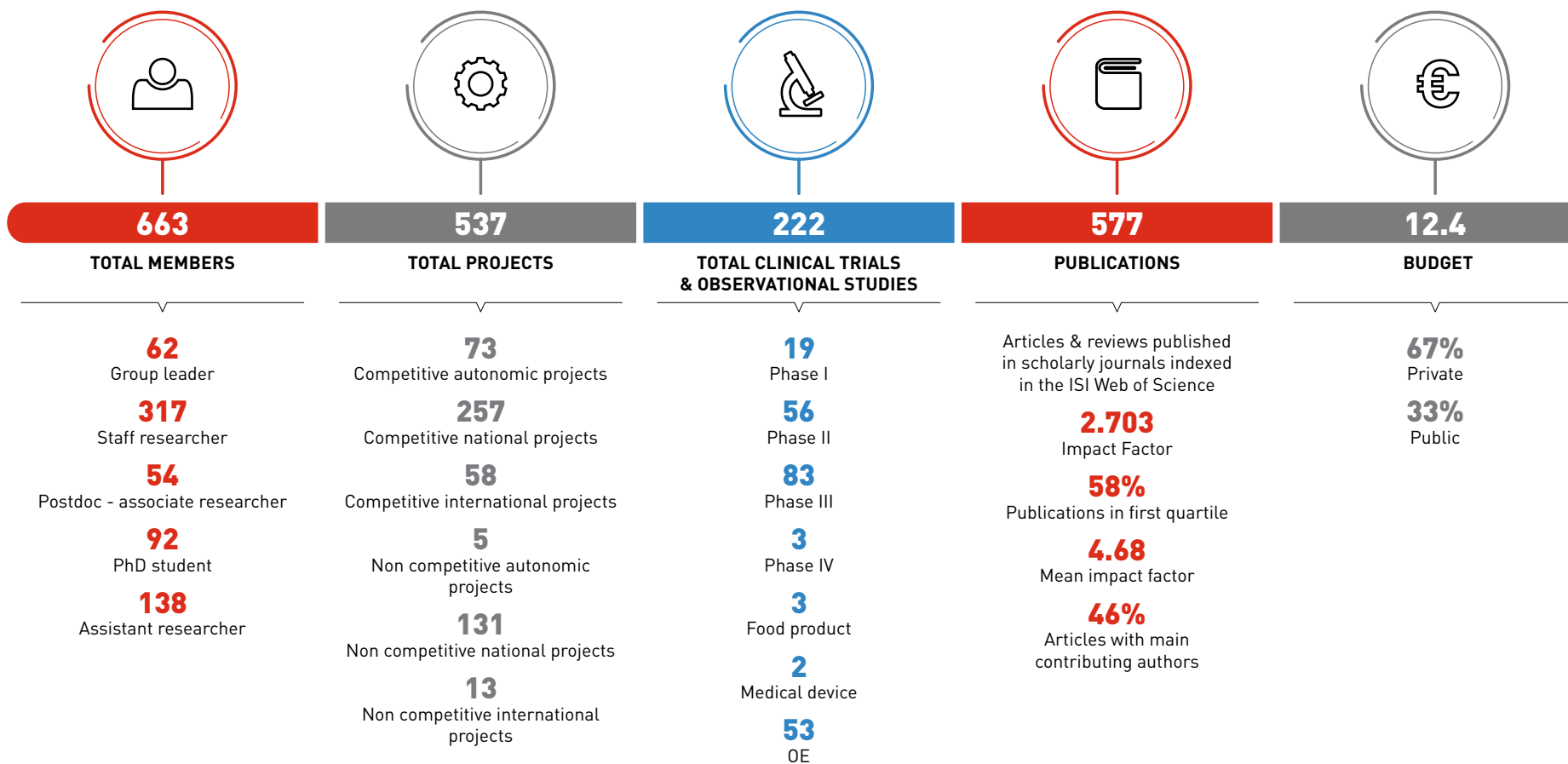
**2**

# FUNDACIÓ DE RECERCA SANT JOAN DE DÉU

Global numbers 2019  
Financial resources management  
Publications  
Global numbers 2015-2019

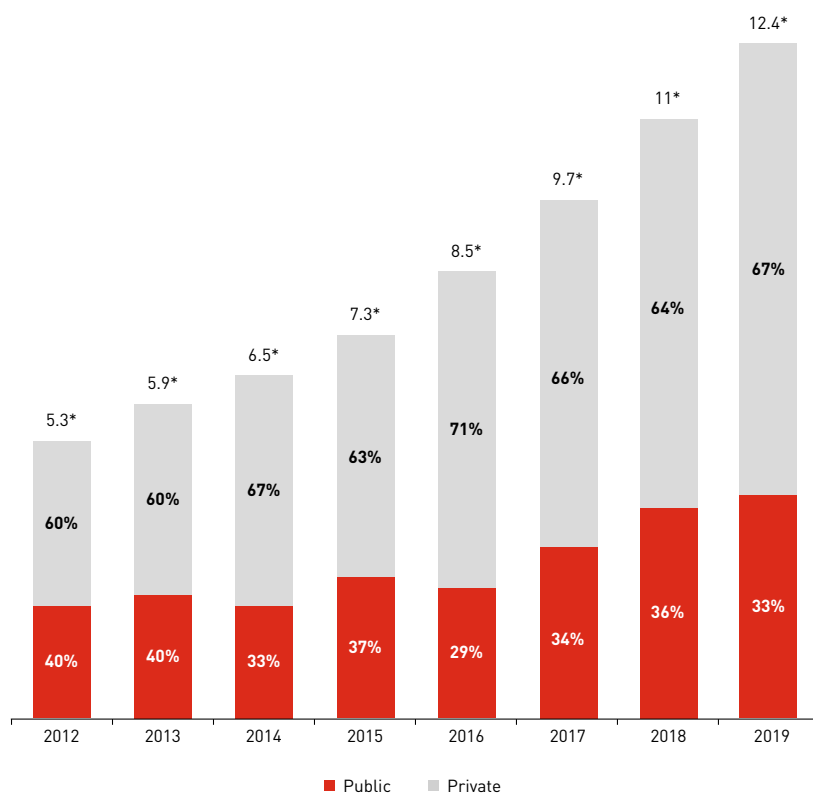


## Global numbers 2019



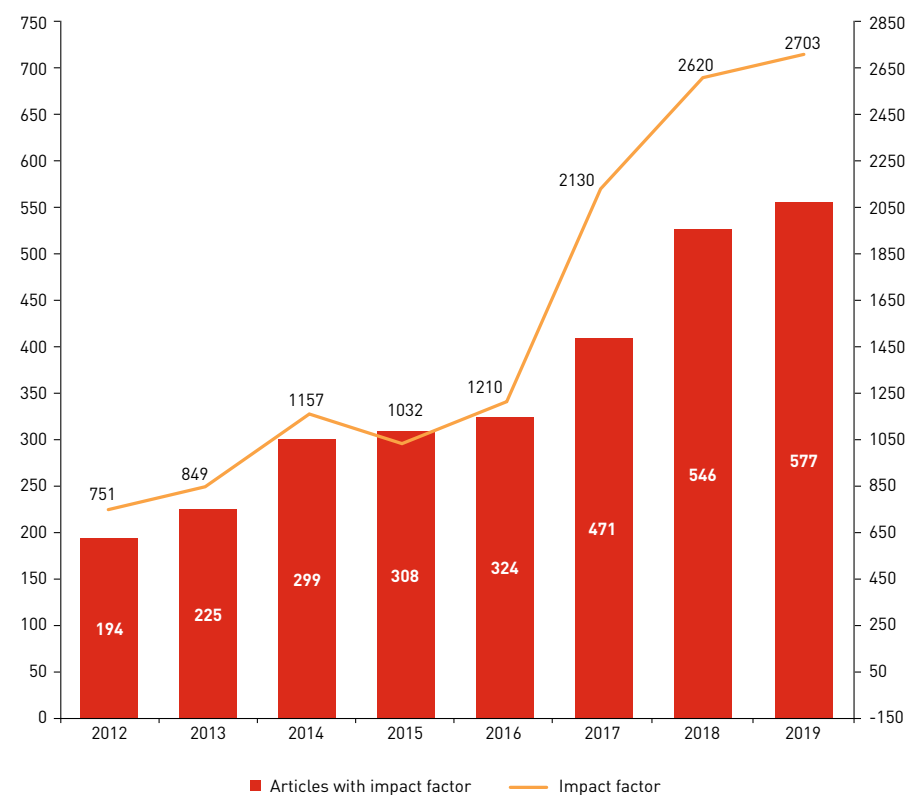


## Financial resources management

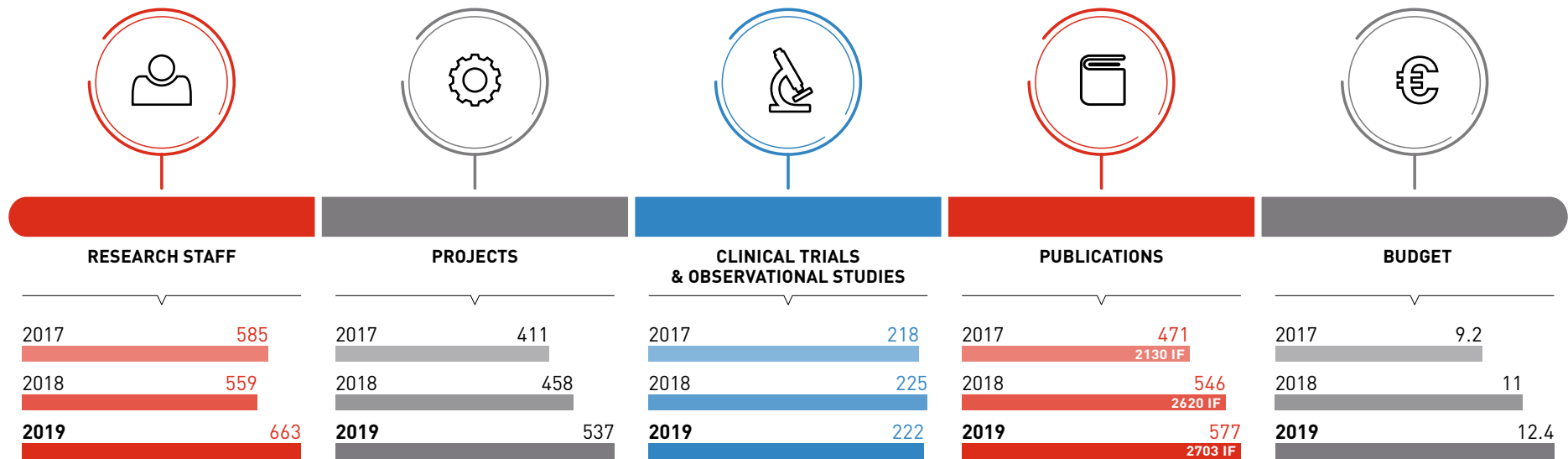


\* Thousand of euros

## Publications



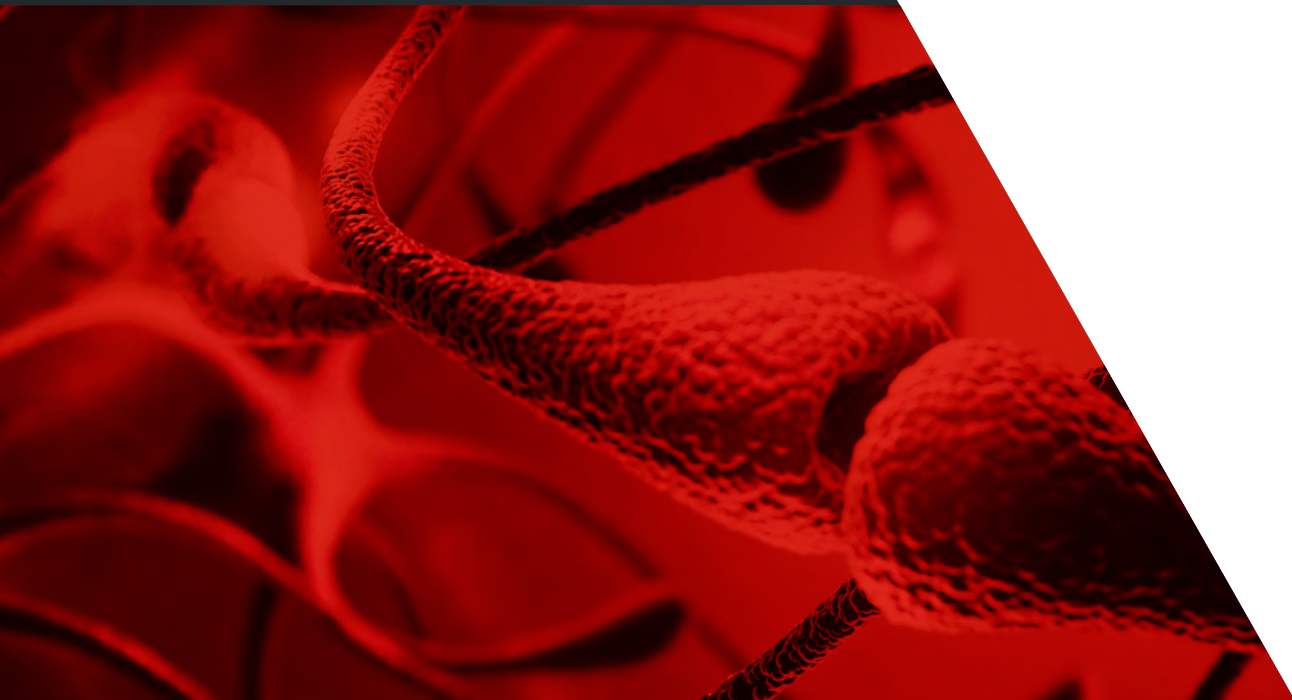
## Global numbers 2015-2019





**SJD**

Sant Joan de Déu  
Fundació de Recerca

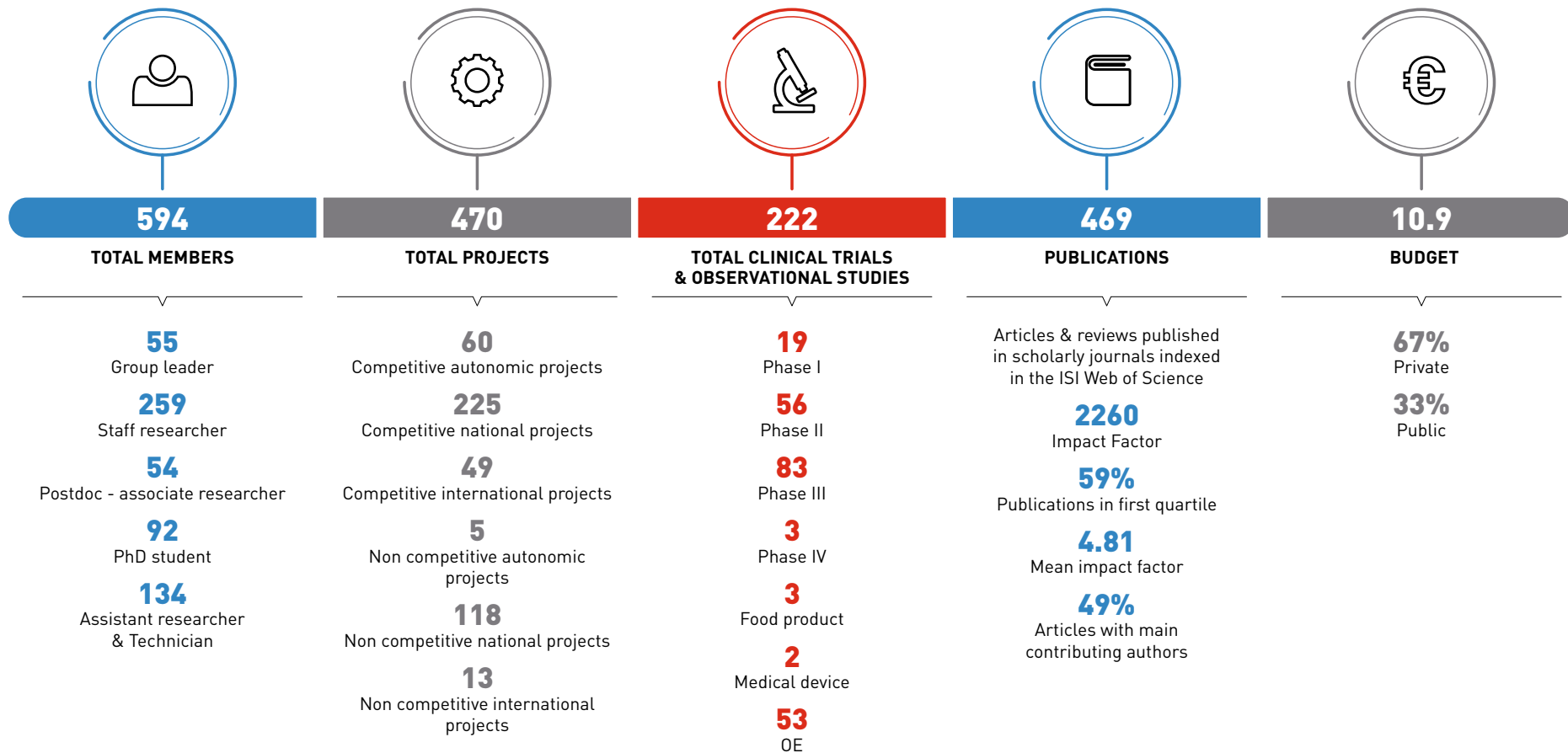


**3**

## **RESEARCH**

Institut de Recerca Sant Joan de Déu  
Social Research  
General Medicine Research

## Institut de Recerca Sant Joan de Déu



Information about Paediatric Research Group and Mental Health Research Groups includes in Institut de Recerca Sant Joan de Déu's Annual Scientific Report 2019. You can consult on IRSJD's website: <http://irsjd.org/ca/institut/memoria-cientifica/>

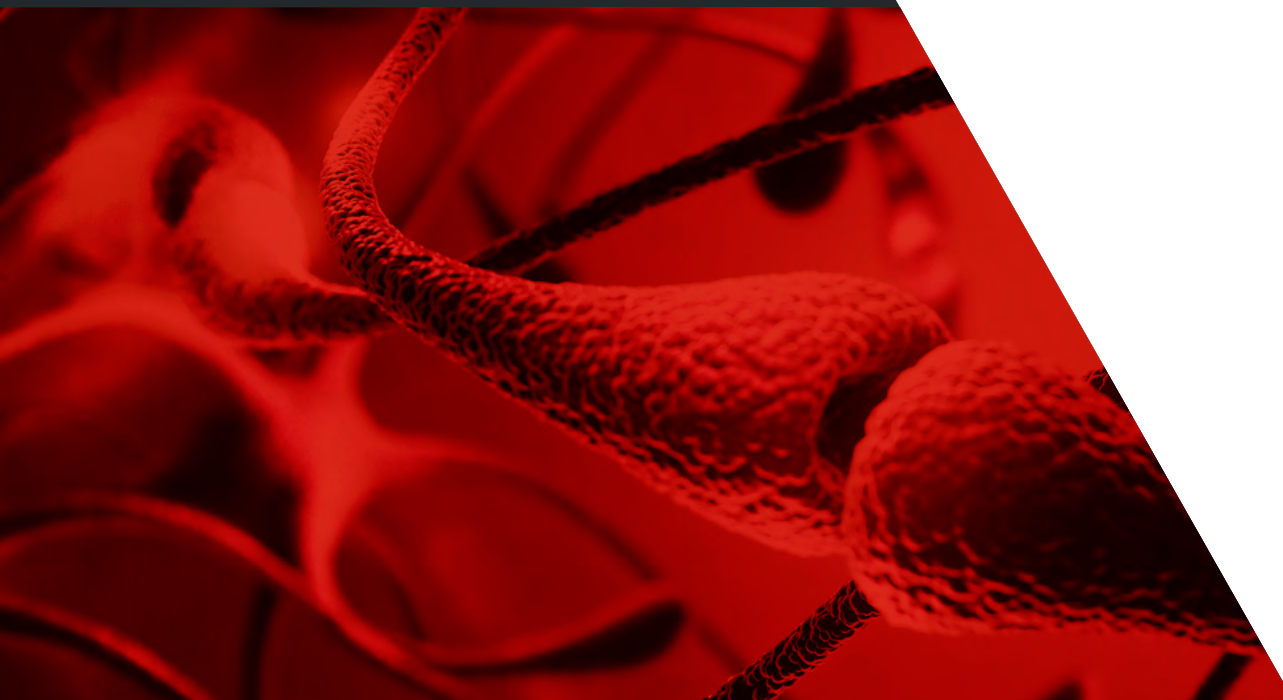


ANNUAL SCIENTIFIC  
**REPORT**  
2019

**SJD**

Sant Joan de Déu  
Fundació de Recerca

**Social Research**



## RESEARCH GROUP ON NURSING, EDUCATION AND SOCIETY

Juan Roldán Merino, PhD

Our areas of research focus on different elements that shape the most relevant aspects of the nursing profession, such as identity and care; also towards teaching innovation to improve the training of our students; and, finally, in social action, an essential area to respond to the new needs of society.

### 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, Lorena Molina Raya, María José Morera Pomarede, Dolors Miguel Ruiz, Carlos Nebot Bergua, Anna Ramió Jofre, Núria Roca Caparà

### Selected projects

- Validación al castellano del cuestionario de Sensibilidad Moral de Lützen et al. (Moral Sensitivity Questionnaire) en estudiantes de Grado y estudiantes de Postgrado de Enfermería. Fundació Grifols. PI: Barbara Hurtado Pardos/Maria Jimenez. 2019 - 2021.
- Percepción de los estudiantes de Grado de Enfermería del proceso de aprendizaje en las prácticas clínicas en Atención Primaria. Fundació Infermeria i Societat. PR-305/18. PI: Adrià Almazor. 2018 - 2021.
- Fomentar la investigación de enfermería de salud mental. Campus Docent Sant Joan de Déu- Fundació Privada. PCP00132. PI: Juan Francisco Roldán Merino. 2014 - 2019.

### Selected publications

- Roldan-Merino J, Roca-Capara N, Miguel-Ruiz D and Olga Rodrigo Pedrosa. Development and psychometric properties of the assessment questionnaire for the process of the tutorial action plan. Nurse Educ Today. 2019; 76: 109-117. FI: 2,442(Q1)
- Roviralta-Vilella M, Moreno-Poyato

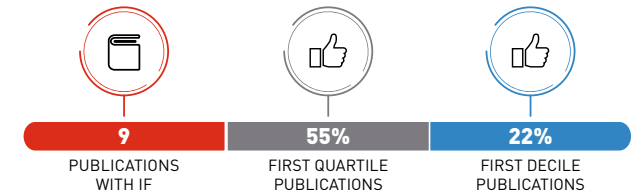
AR, Rodríguez-Nogueira Ó, Duran-Jordà X, Roldan-Merino J and MiRTCIME.CAT Working Group. Relationship between the nursing practice environment and the therapeutic relationship in acute mental health units: A cross-sectional study. Int J Ment Health Nurs. 2019; 28(6): 1338-1346. FI: 2,433(Q1)

- Roldan-Merino J, Miguel-Ruiz D, Roca-Capara N and Olga Rodrigo Pedrosa. Personal tutoring in nursing studies: A supportive relationship experience aimed at integrating, curricular theory and professional practice. Nurse Educ Pract. 2019; 37: 81-87. FI: 1,665(Q1)
- Roldan-Merino J, Farrés M, Estrada-Masllorens JM, Hurtado B, Miguel-Ruiz D, Nebot C, Insa-Calderon E, Granell L, Bande-Julian D, Falcó Pegueroles A, Lluch-Canut T and Casas I. Reliability and validity study of the Spanish adaptation of the Creighton Simulation Evaluation Instrument (C-SEI). Nurse Educ Pract. 2019; 35: 14-20. FI: 1,665(Q1)
- Farrés, M. (2019). Escala de valoración de competencias enfermeras en simulación de Creighton (C-SEI\_SP). Dins Marta Raurell (coord.), La evaluación de

competencias en profesionales de la salud mediante la metodología de la simulación (p. 24-30). Barcelona: ICE: Ediciones Octaedro. [Cuadernos de docencia univesitaria;38].

### Theses

- Escala PAINAD: adaptación y validación en pacientes no comunicativos hospitalizados e impacto de una intervención formativa a enfermeras para su administración. PhD Student: Lucía Muñoz Narbona. Directors: Juan Francisco Roldán Merino and Sandra Cabrera Jaime. September 2019.
- Adaptación y validación de las escalas QPC "Quality in Psychiatric Care" en el ámbito de la hospitalización. PhD Student: Sara Sanchez Balcells. Directors: Juan Francisco Roldán Merino and Montserrat Puig Llobet. September 2019.
- Propiedades psicométricas del perfil de impacto de salud oral (OHIP-14PY) en adultos de Paraguay. PhD Student: Clarisse Virginia Diaz Reissner. Directors: Irma Casas Garcia and Juan Francisco Roldán Merino. November 2019.



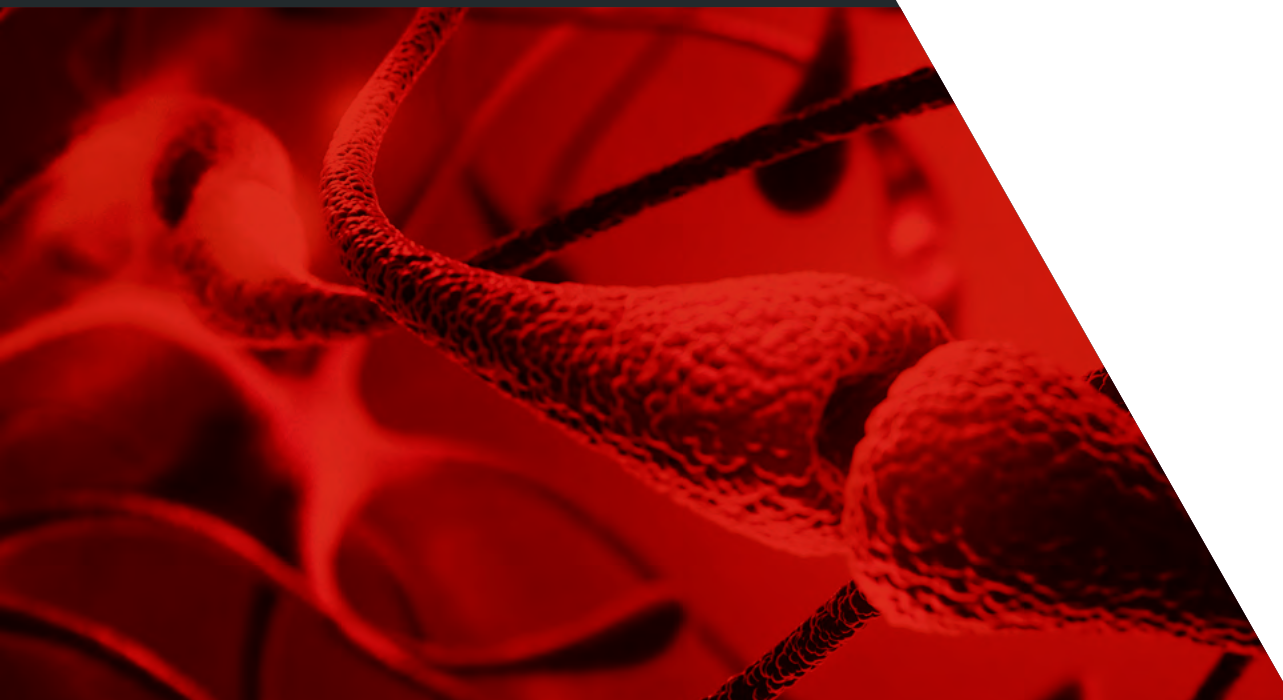


ANNUAL SCIENTIFIC  
**REPORT**  
2019

**SJD**

Sant Joan de Déu  
Fundació de Recerca

**General Medicine Research**



## CLINICAL AND EPIDEMIOLOGIC RESEARCH ON HIGH-PREVALENCE DISORDERS

Luis Lores Obradors, MD, PhD

Our areas of research focus on different elements that shape the most relevant aspects of the nursing profession, such as identity and care; also towards teaching innovation to improve the training of our students; and, finally, in social action, an essential area to respond to the new needs of society.

### Members

#### STAFF RESEARCHER

Elisabeth Arellano Marcuello, Nuria Berrocal Izquierdo, Ernesto Bragulat Baur, Antonio Callen Soto, Anna Capellà Llovera, Xavier Casas García, Alejandra Fernández Trujillo, M<sup>a</sup> Araceli Gonzalez Cuevas, Rosana Hernando Salvador, Mireia Junyent Priu, Jaime Llopis Cañameras, Pablo Marchena Iglesias, Juan Manuel Nicolas Valero, M.Teresa Pascual Pape, Bernabé Robles Del Olmo, Julián Rodríguez Larrea, César Romero Menor, Elisabet Rovira Prat

#### ASSISTANT RESEARCHER

Judit Lopez Luque, Edwin Percy Pesantes Sangay

### Selected projects

- RGS@HOME: The RGS@home project: Scaling ICT based neurorehabilitation to personalized 24/7 home care. EIT Health e.V. EIT- Innovations by Design (BP 2019). PI: Antonio Callen Soto. 2019 - 2021.
- COGNIVITRA: COGNitive Vitality TRaining at home. Instituto de Salud Carlos III (ISCIII). Acciones Complementarias. AC18/00015. PI: Antonio Callen Soto. 2019 - 2021.

### Selected publications

- Barco S, Klok FA, Mahé I, Marchena P, Ballaz A, Rubio CM, Adarraga MD, Mastroiacovo D, Konstantinides SV, Monreal M and RIETE Investigators. Impact of sex, age, and risk factors for venous thromboembolism on the initial presentation of first isolated symptomatic acute deep vein thrombosis. *Thromb Res* 2019. 173: 166 - 171. FI: 3,266(Q2)
- Mellado M, Trujillo-Santos J, Bikdeli B, Jiménez D, Núñez MJ, Ellis M, Marchena P, Vela JR, Clara A, Moustafa F, Monreal M and RIETE Investigators. Vena cava filters in patients presenting with major bleeding during anticoagulation for venous thromboembolism. *INTERN EMERG MED* 2019. 14(7): 1101 - 1112. FI: 2,335(Q2)
- Simblett SK, Bruno E, Siddi S, Matcham F, Giuliano L, López JH, Biondi A, Curtis H, Ferrão J, Polhemus A, Zappia M, Callen A, Gamble P, Wykes T and RADAR-CNS Consortium. Patient perspectives on the acceptability of mHealth technology for remote measurement and management of epilepsy: A qualitative analysis. *EPILEPSY BEHAV* 2019. 97: 123 - 129. FI: 2,378(Q2)



3

PUBLICATIONS  
WITH IF



## RESEARCH AND INNOVATION IN SURGERY

Oscar Izquierdo Corres, MD, PhD

Our areas of research focus on different elements that shape the most relevant aspects of the nursing profession, such as identity and care; also towards teaching innovation to improve the training of our students; and, finally, in social action, an essential area to respond to the new needs of society.

### 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, 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

### Selected projects

- SGR 2017\_Grup de Recerca i innovació en cirurgia. Agaur - Agència de Gestió d'Ajuts Universitaris i de Recerca. SGR 2017-2019. 2017 SGR 1372. PI: Eduard Tornero Dacasa. 2017 - 2020.
- Pacientes con lesiones residuales tras una lesión obstétrica del complejo esfinteriano anal: influencia de funcionalidad de la musculatura del suelo pélvico en la presencia de síntomas de incontinencia anal. Parc Sanitari de Sant Joan de Déu -Serveis de Salut Mental. Beques Recerca PSSJD. AR201507. PI: Eva Maria Martínez Franco. 2016 - 2020.
- Ajut de recerca PSSJD - Efecte de la exoneurolysis dels nervis perifèrics sobre l'aparició d'úlceres en la polineuropatía diabètica. Beneficiari: Oscar Izquierdo. Parc Sanitari de Sant Joan de Déu -Serveis de Salut Mental. PI: Oscar Izquierdo Corres. 2014 -2020.

### Selected publications

- Tornero Dacasa E, De Bergua-Domingo JM, Domenech P, Soldado F, Torner-Rubies F, Castellanos Robles J, Soriano A and Knörr J. Knee Arthritis in Children: When Can It Be Safely Treated With Needle Joint Aspiration? A Large Children's Tertiary Hospital Study. J Pediatr Orthop 2019. 39(3): 130 - 135. FI: 2,046(Q2)
- Martínez Franco E, López-Negre JL, Parés D, Ros Cerro C, Amat Tardiu L, Cuadras-Palleja D and España Pons M. Anatomic and functional evaluation of the levator ani muscle after an obstetric anal sphincter injury. Arch Gynecol Obstet 2019. 299(4): 1001 - 1006. FI: 2,199(Q2)
- Fernandez-Gonzalez S, Martínez Franco E, Martínez-Cumplido R, Molinet Coll C, Ojeda González F, Gómez-Roig MD and Amat Tardiu L. Reducing postoperative catheterisation after anterior colporrhaphy from 48 to 24 h: a randomised controlled trial. Int Urogynecol J 2019. 30(11): 1897 - 1902. FI: 2,094(Q2)



3

PUBLICATIONS  
WITH IF

## PATIENT SAFETY

Ramón Mir Abellan, MD, PhD

Our areas of research focus on different elements that shape the most relevant aspects of the nursing profession, such as identity and care; also towards teaching innovation to improve the training of our students; and, finally, in social action, an essential area to respond to the new needs of society.

### Members

#### STAFF RESEARCHER

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

#### ASSISTANT RESEARCHER

Yasmina Manzano Bort

#### COLLABORATOR RESEARCHER

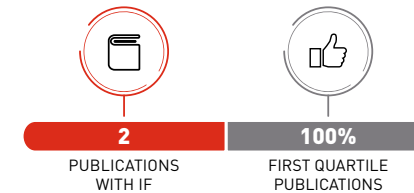
Anna Falcó Pegueroles

### Selected projects

- Impacto de la implementación de una estrategia de calidad sobre la cultura de seguridad del paciente. Parc Sanitari de Sant Joan de Déu -Serveis de Salut Mental. Ajuts recerca PSSJD. AR201605. PI: Ramón Mir Abellan. 2017 - 2020.
- Vivencia del proceso de contención desde la perspectiva del profesional de enfermería. Parc Sanitari de Sant Joan de Déu -Serveis de Salut Mental. AFR PSSJD. AFR 2018. PI: Ramón Mir Abellan. 2018 - 2020.

### Selected publications

- Roldan-Merino J, Farrés M, Estrada-Masllorens JM, Hurtado B, Miguel-Ruiz D, Nebot C, Insa-Calderon E, LUIS GRANELL, Bande-Julian D, Falcó Pegueroles A, Lluch-Canut T and Casas I. Reliability and validity study of the Spanish adaptation of the Creighton Simulation Evaluation Instrument (C-SEI).. NURSE EDUC PRACT 2019. 35: 14 - 20. FI: 1,665(Q1)
- Zuriguel-Pérez E, Falcó Pegueroles A, Agustino-Rodríguez S, Gómez-Martín MDC, Roldan-Merino J and Lluch-Canut T. Clinical nurses's critical thinking level according to sociodemographic and professional variables (Phase II): A correlational study.. NURSE EDUC PRACT 2019. 41: 102649 - 102649. FI: 1,665(Q1)



## 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 2019.

**Clinical trials** and **observational studies** correspond to all those actives during 2019.

**Publications** include original articles and reviews published during 2019 (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 2018.

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