

## 5.1.6 Associated Groups

## Pharmacy

### Group leader

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### DESCRIPTION

Our research group is to investigate and improve the use of medications and optimize patient outcomes through research and evidence-based practice.

### MAIN LINES OF RESEARCH

- Pharmaceutical care and personalized medicine.
- Clinical Epidemiology and Public Health.
- Artificial nutrition.
- Pharmaceutical formulation.
- Oncohematology.
- Independent clinical trials.
- Innovation, artificial intelligence & big data.

### SCIENTIFIC CHALLENGES

- Evaluate the impact of different pharmaceutical care programs on the effectiveness and the safety of pharmacological treatments: personalized medicine (clinical pharmacokinetics & pharmacogenetics), health education, medication reconciliation, identification and prevention of drug-related health problems, etc.
- Use of clinical epidemiology to gain evidence in patient care: association between risk factors and health outcomes, study of drug interactions, medication adherence, assessment of regular clinical practice.
- Evaluate the impact of artificial nutrition on the clinical evolution of patients.
- Study the stability of cytostatics in different pharmaceutical forms.



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- Determine the stability and the PK-PD of protein nanoparticles with antimetastatic activity.
- Actively cooperate in independent clinical trials performed in Sant Pau.
- Health, eHealth, artificial intelligence, big data, innovative procedures, etc.

### ACTIVE GRANTS

- Manges Bafalluy, Maria Antonia. Abordaje integral de los problemas de salud relacionados con los medicamentos: Código Medicamento. PI18/00889. Instituto de Salud Carlos III (ISCIII). Duration: 2019-2023. 87.120,00 €.
- Manges Bafalluy, Maria Antonia. Coordinadora. Acuerdo de Cooperación en el Programa de Becas de Investigación Científica de Janssen-Cilag 2023. Gras Martin, Laura. Impacto clínico de la monitorización farmacocinética de antibióticos en paciente crítico. IIBSP-TDM-2023-28.

### SCIENTIFIC PRODUCTION

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## 5.1.6 Associated Groups

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