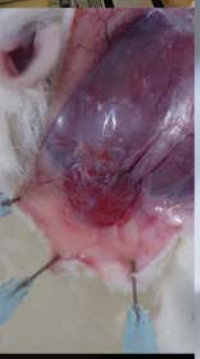
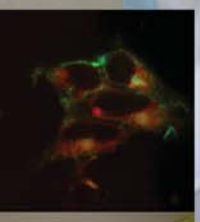
Plataform
Formulation of medicines

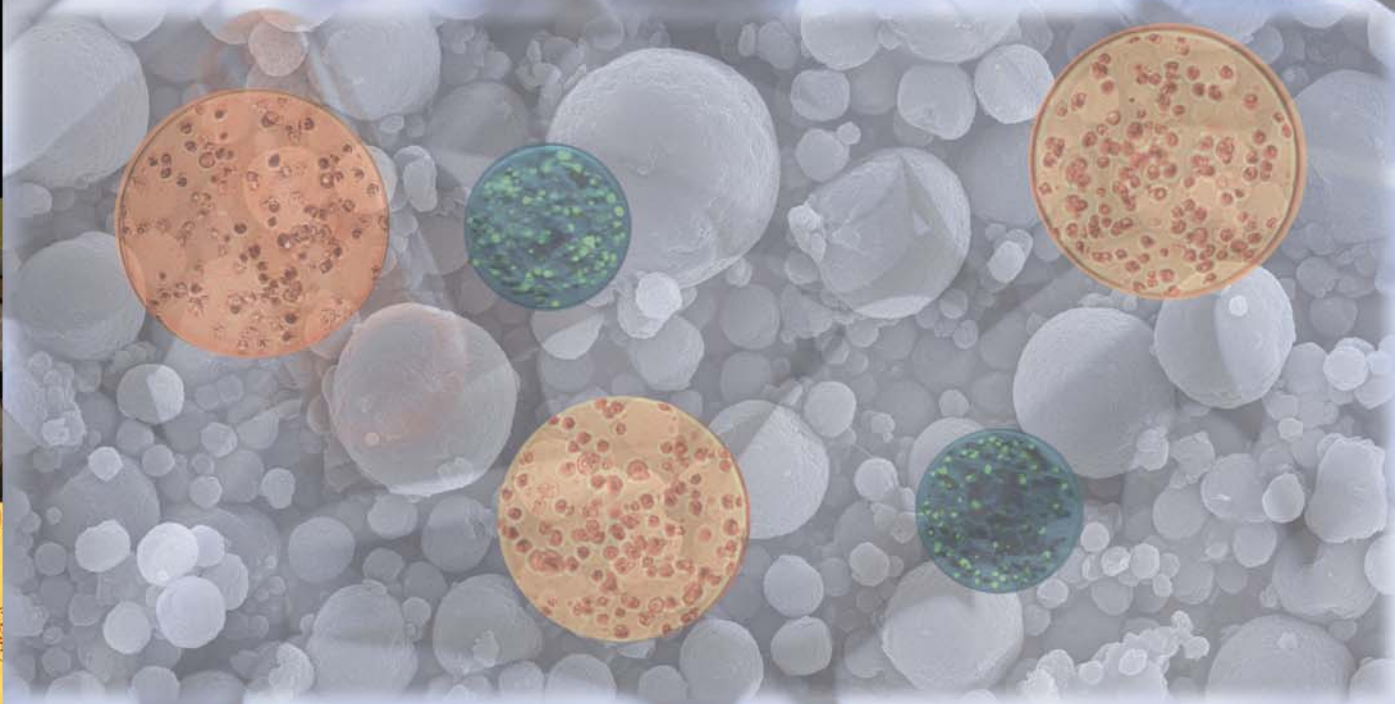






About us

Advances in biotechnology have allowed the economical and large scale production of therapeutically important complex polymers of amino acids, nucleosides, and other biological drugs to be used to combat poorly controlled diseases. This rapid progress in molecular biology required substantial progress in the formulation and development of delivery systems for the next generation of drugs. Various new vehicles and delivery systems, such as liposomes, biodegradable microspheres, biopolymers, hydrogels, and bioavailability enhancers, have been introduced during the last decades to improve delivery and bioavailability of new chemical and biological drugs.

The purpose of drug formulation is to determine experimentally all the variables necessary to develop an optimal formula and working directions for making the pharmaceutical product. Pharmaceutical technology applied to developing a drug formulation comprises selection of materials and procedures that are adaptable to various processes that lend themselves to inclusion in specific dosage forms.



Services

Design and development of:
- classic parenteral dosage forms: solutions, suspensions, emulsions, …
- parenteral dosage forms for sustained release
- topical dosage forms: creams, gels…
- classic oral dosage forms: capsules, tablets, coated tablets, microgranules, …
- oral dosage forms for sustained release: hydrophilic matrixes, lipid matrixes, pellets,…

Design and development of micro and nanocapsules for conventional drugs

Design and development of micro and nanocapsules for peptides and proteins

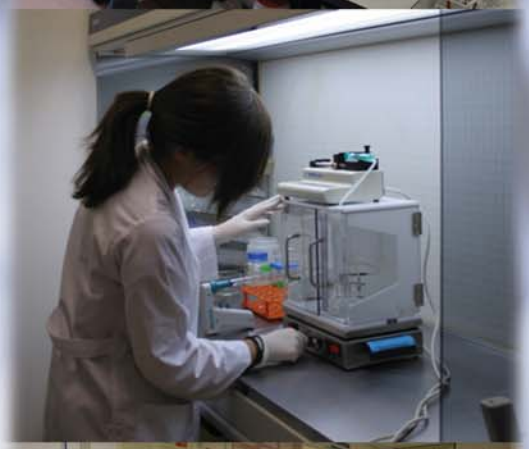
Design and development of solid lipid nanoparticles-based non-viral vectors

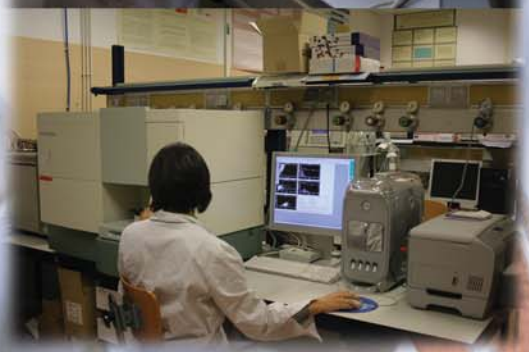
Design and development of scaffolds for cell immobilisation

Biopharmaceutical evaluation of dosage forms, quality assurance and stability studies

Setup and validation of analytical techniques for the quantification of drugs, metabolites, degradation products and impurities

Pharmacokinetic pre-clinical studies of new molecules (pre-clinical pharmacokinetics)





Staff

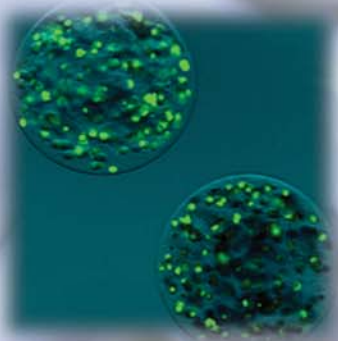
The staff of the Plataform for the formulation of medicines has a large experience in research, academic and development projects.

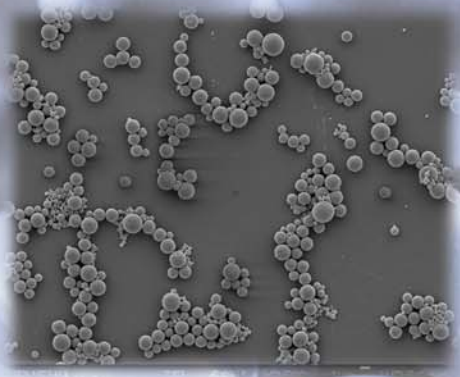
Head

José Luis Pedraz Muñoz
Full Professor of Pharmacy and Pharmaceutical Technology
Especialist in Analysis and Control of Medicines and Drugs
Especialist in Pharmaceutical Industry and Galenics

Members

Rosa Hernández Martín
Manoli Igartua Olaechea
Gustavo Puras Ochoa
Jesús Ciriza Astrain
Amaia Esquisabel Alegría
Gorka Orive Arroyo
Jon Zarate Sesma





Quality Assurance

The Platform for the formulation of medicines offers its services complying the highest quality standard and following the guidelines of FDA and ICH. We are certified by the Spanish Medicine Agency in GLP (Nº BPL1 11.09/004 MSC).
The Quality Assurance Department surveys the projects, equipments and personal in order to guarantee the quality of all our work.
The Quality Assurance Department is composed by 4 pharmacists.

Contact us

Head of the Plataform for the formulation of medicines

José Luis Pedraz Muñoz
NanoBioCel Group
Laboratory of Pharmacy and Pharmaceutical Technology
Faculty of Pharmacy
University of the Basque Country (UPV/EHU))
C/ Paseo de la Universidad nº 7
01006 Vitoria-Gasteiz (Alava)
Tlf.: 945-013091
Fax: 945-013040
E-mail: joseluis.pedraz@ehu.es