

Galbiopharm

About us

Galbiopharm is the University Platform from joint research center (UMR 454) "Microbiology, Digestive Environment and Health" associated with the Université Clermont Auvergne (UCA). The Galbiopharm platform provides the scientific community with a range of state-of-the-art technologies to i) develop conventional or multiparticulate drug delivery systems obtained from wet granulation, compression, ionic gelification/extrusion or spray-drying and ii) characterize in vitro (dissolution, permeability), ex vivo (absorption) and in vivo (pharmacokinetic) biopharmaceutic properties of new drug delivery systems.

Our services

- Development of multiparticulate drug delivery systems by ionic gelification/extrusion method (alginate /chitosan) with Encapsulator® for entrapment of active pharmaceutical ingredients or probiotics,
- Development of multiparticulate drug delivery systems by spray-drying for entrapment of active pharmaceutical ingredients or probiotics,
- Development of sustained release drug dosage from by wet granulation and compression processes,
- Characterization of physicochemical properties of new drug delivery system by optical microscopy, FTIR spectroscopy, particle size measurement by laser scattering,
- In vitro, ex vivo and in vivo characterization of biopharmaceutic properties by dissolution systems (USP1, USP2 and USP4), cell cultures (Caco-2, T84, HT-29 MTX), isolated organs (rat) and animals (pharmacokinetic).

Equipments

- Encapsulator ®

- Spraydryer
- Mastersizer®
- FTIR Spectroscopy
- USP1/2 dissolution systems
- USP4 dissolution system
- Cell cultures facilities
- Animal testing facilities
- HPLC DAD

GALBIOPHA

Biology & Health Technology



Contacts

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SCIENCE & IMPACT