

## Special Issue

# Liposomes as Membrane Models in Drug-Lipid Interactions

### Message from the Guest Editor

The pharmacokinetics and pharmacodynamics of a pharmacologically active molecule in the human body presuppose, in some phases, the interaction of these molecules with cell membranes. Drug absorption is generally achieved at the expense of molecules migrating across the lipid bilayer, as well as interaction with intramembrane or intracellular receptors that can condition the mechanism of action.

In this context, studies of the interaction of molecules with the membrane can be performed using liposomes, as these lipid structures have a membrane similar to that of cells and whose composition and complexity can be easily modulated. Natural biological membranes have a complex structure, whereas lipid-based membrane models offer a simple and useful alternative for studying drug-membrane interactions.

This Special Issue intends to make a collection of papers in this field, focusing both on liposomes of different compositions and manufacturers used as membrane models and on the techniques used to study these interactions. It is expected that the conclusions are of interest to the scope of Pharmacology and the Pharmaceutical Industry and that future perspectives will also be discussed.

### Guest Editor

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