

Integrative biophysical approach to unveil biomolecule-membrane interactions

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Plasma membranes are complex entities common to all living cells. The interactions between bioactive molecules and the lipids composing plasma membranes, are important for many processes, such as the bioavailability of certain drugs. Understanding at the molecular level the mechanism by which bioactive molecules interact with cell membranes is therefore of fundamental importance.

In this presentation, some "in vitro" and "in silico" complementary biophysical techniques useful to obtain information on the lipid specificity of the interactions on a molecular scale will be exposed.