



**SOCIÉTÉ CHIMIQUE DE GENÈVE**

# Electrical and mechanical properties of model cell membranes

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Cell membranes are the first cell component that experiences signals from the outer world. A variety of molecules interact with the receptors at the cell surfaces for the regulation of five senses, brain functions, muscle contractions and immune systems. Electrical and mechanical properties of cell membranes are especially cumbersome to study, because they are not so many characterization methods. In my group, we are developing new tools to study membrane electrical properties and mechanics in synthetic bilayers (model cell membranes). Our longterm goal is to apply these systems for membrane peptide/protein studies.

Conférence présentée le

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Auditoire A. Pictet A100  
30, quai Ernest-Ansermet, Genève

**La conférence est publique**

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