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Authors: Xavier Toledo-Fuentes, Céline Molinaro, Francesca Cecchet



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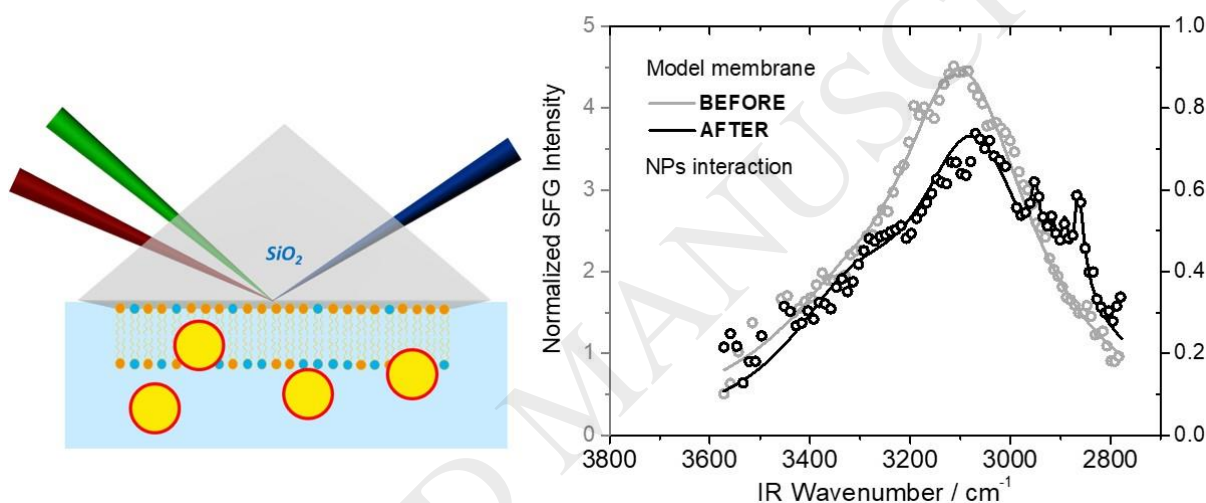
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# Interfacial charges drive the organization of supported lipid membranes and their interaction with nanoparticles

Xavier Toledo-Fuentes<sup>i</sup>, Céline Molinaro<sup>i</sup>, and Francesca Cecchet\*

Laboratory of Lasers and Spectroscopies (LLS), Namur Institute of Structured Matter (NISM),  
 NAMur Research Institute for Life Sciences (NARILIS), University of Namur, Belgium.

## Graphical abstract



## Highlights

- Sum-frequency generation and zeta potential measurements of lipid/water interfaces
- The structure of anionic lipid bilayers on SiO<sub>2</sub> is triggered by interfacial zeta potentials
- DPPS in DPPS-DPPC lipid bilayers accelerates the interaction with cationic AuNPs

<sup>i</sup> These authors contributed equally to this work

\* Corresponding author: francesca.cecchet@unamur.be

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