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Studying complex biological systems at the solid liquid interface

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Our research focuses on developing platforms for studying complex proteinaceous machineries at the solid liquid interface. In this talk I will discuss our advances in the incorporation of active proteinaceous machineries within planar lipid bilayers. How through the use of floating supported bilayers we can tune the distance of these complexes from the surface through solution electrolyte modification, and our recent progress in developing a novel double bilayer mimetic of the gram-negative envelope.

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