SOCIÉTÉ CHIMIQUE DE GENÈVE

Physico-chemistry of dynamin, a protein that breaks lipid membranes

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Living cells are surrounded by lipid membranes that protect them from their environment. But it is also an impermeable barrier to most soluble compounds needed for cell life.

In order to incorporate them, the membrane is budded inwards the cell, in a process called endocytosis. Then, the bud is separated from the membrane by a process called fission, in order for the vesicle to be sent to digestive organelles.

Dynamin is the protein that catalyses this reaction, and I will show, with simple mechanical and chemical facts, how dynamin catalyses this unfavorable reaction.

Conférence présentée le

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

La conférence est publique

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