

LIFE SCIENCES

seminar series

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Molecular Machines In Action

March 30, 2017

Thursday, 16:00

Seminar room 132, pavilion A11
University campus Bohunice

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Membrane-associated processes are a fundamental characteristic of all living cells. They ensure that the cells are able to effectively communicate with, and adapt to, their environment. The cells achieve this by either physically translocating molecules to the opposite site of a membrane, or by receiving, transmitting, and amplifying incoming signals. Our laboratory is interested in understanding the molecular mechanism underlying such processes. Specifically, we focus on machineries capable of translocating bacterial toxins into eukaryotic cells. We are using modern molecular biology, biochemistry and structural biology such as cryo electron microscopy to visualize molecular machines in action.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 692068. Disclaimer: This poster reflects only the author's view and the Research Executive Agency is not responsible for any use that may be made of the information it contains.