



JACQUES FATTACCIOLI

From France to Sweden



Project: **Influence of cooperation regarding viral infections**

Research topic: **Chemistry**

Swedish Institution: **Umeå University**

French Institution: **ENS Paris**

Dates of mobility: **23/04/2019 to 02/05/2019**

Program: **SFVE-A (ex TOR)**

PRESENTATION

[Jacques Fattaccioli](#) is an Associate Professor at the [Department of Chemistry \(ENS Paris\)](#) and at the [Pôle Microfluidique \(Laboratoire PASTEUR, CNRS, ENS, Sorbonne Université\)](#). He is a physical chemist, with a strong interest for biological questions. His research aims at building tools and methods to address these questions, using chemistry, physics, and microtechnology. Since 2015, his team is located at the [Institut Pierres-Gilles de Gennes](#), a research institute dedicated to microfluidics and their applications. Currently, his team works on several topics, addressing questions related to different biological models: immune mammalian cells, plants, and bacteria.

ACTIVITIES IN SWEDEN

During his stay in Sweden, Jacques Fattaccioli visited [Marta Bally's group](#) from the [Department of Clinical Microbiology, Umeå University](#), to start preliminary experiments to study the influence of cooperation for viral infections. Starting from the materials (lipid droplets) fabricated in Jacques Fattaccioli's team, they intended to use oil and water interfaces to present *virii* in such a way that a cooperation regarding infection is possible.

They also set up a visit plan for several groups from Umeå University in the Department of Virology and the Department of Integrative Medicine. These groups are focused on virology, but also on exosomes research, which was relevant regarding their research collaboration's goal.

Finally, they discussed the opportunity to build a consortium for a European Project grant application regarding these research topics.