

Lecture Series & Workshops 2019-2021

From Single Organisms to Systems Ecology and Evolution

From images to molecules coordinates: principle and discussions on single molecule localization microscopy



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- 1st of July 2020, 12 PM
- [Link to the Cisco Webex online meeting](#)

For individual meetings with Dr. Godet, please **register** by mail to secretary@microbiology.lu so that we can initiate the contact.

Optical super-resolution microscopy has become extremely widespread enabling imaging samples beyond the resolution limits of conventional microscopes. Among the different techniques that allow super-resolution imaging, I will in this conference-talk present single-molecule localization microscopy (SMLM). After detailing the principle of SMLM, I will focus on demonstrating the specificities of this technique to show why obtaining a localization dataset is an advantage for advanced analyses and why it is particularly well suited for microbiology samples. I will also present the latest advances in the field, including the emerging spectrally-resolved SMLM.

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