

Seminar

Bridging live fluorescence imaging and volume electron microscopy by optimizing the technological steps

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CSO and co-founder of CryoCapCell,
Paris, France



When & where

Wednesday 11 March 2020
09:15 – 10:15 hrs
CDL, M220.01.023,
route 231

Hosts

Anat Akiva &
Nico Sommerdijk,
Electron Microscopy Center

Registration

Not required, after the lecture,
tour to the EM facility will
be held by request

Abstract

In my lecture I will speak about two technological revolutions that took place in the last decade in the field of electron microscopy for life sciences: The rise of Correlative Light and Electron Microscopy (CLEM) and the spectacular growth of volume Electron Microscopy (vEM) imaging. These two approaches help to obtain unrepresented details of biological ultrastructure from sub cellular to tissue levels. I will speak about the contribution of CryoCapCell to this field: the High Pressure Freezer (HPF) that is physically linked to a fluorescence microscope, the Semi-conductive resin for CLEM and the eC-CLEM software for data analysis.

Key Publication

· eC-CLEM: easy Cell Correlative Light to Electron Microscopy. *Nat. Methods*, 2017