

## 2015-2016 Course: "Introduction to fluorescence imaging for the analysis of living cells" by J-Y. C.

Contributed by Yannick KREMPP  
Sunday, 06 December 2015  
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### 2015-2016 CIF COURSES

Cours de privat docent & Cellular Imaging Facility (CIF)

Dr Jean-Yves CHATTON

Introduction to fluorescence imaging for the analysis of living cells

Place: Petit Auditoire de l'Ecole de Médecine, rue du Bugnon 9 (1er étage)

Schedule: Winter Semester &ndash; Tuesdays 12:15 &ndash; 14:00

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5 January 2016 : Basics of transmitted light and fluorescence microscopy

12 January 2016 : Confocal microscopy

19 January 2016 : Modes of image formation, acquisition, signal sampling

26 January 2016 : Dynamic recording of cellular functions by fluorescence imaging.

Intracellular ion imaging and cellular signaling.

Problems related to imaging of living cells

2 February 2016 : Super-Resolution Microscopy !

Remarks:

- lectures will be given in English.
- in parallel with theoretical lectures, demonstrations will be proposed on the confocal microscopes of the Cellular Imaging Facility (details and registration on site).
- gives right to ONE credit for students of doctoral schools (FBM and neuroscience)

Admission to the course is free and open to anyone interested

(Please register to [jean-yves.chatton@unil.ch](mailto:jean-yves.chatton@unil.ch) -- on site registration possible)