

### Scope of the meeting

This informal symposium was originally designed to be internal to IBS, but we thought it would be a good idea to extend it to the other Grenoble laboratories. It is intended to gather people using standard or advanced fluorescence-based techniques and to better know who does what in the Grenoble community, so as to promote exchanges and potential collaborations.

### List of speakers

(Titles of presentations will be available soon)

Dimitrios Skoufias (IBS)

Joanna Timmins (IBS)

Jean-Philippe Kleman (IBS)

Virgile Adam (IBS)

Céline Lafaye (IBS)

Cécile Morlot (IBS)

Antoine Delon (Liphy)

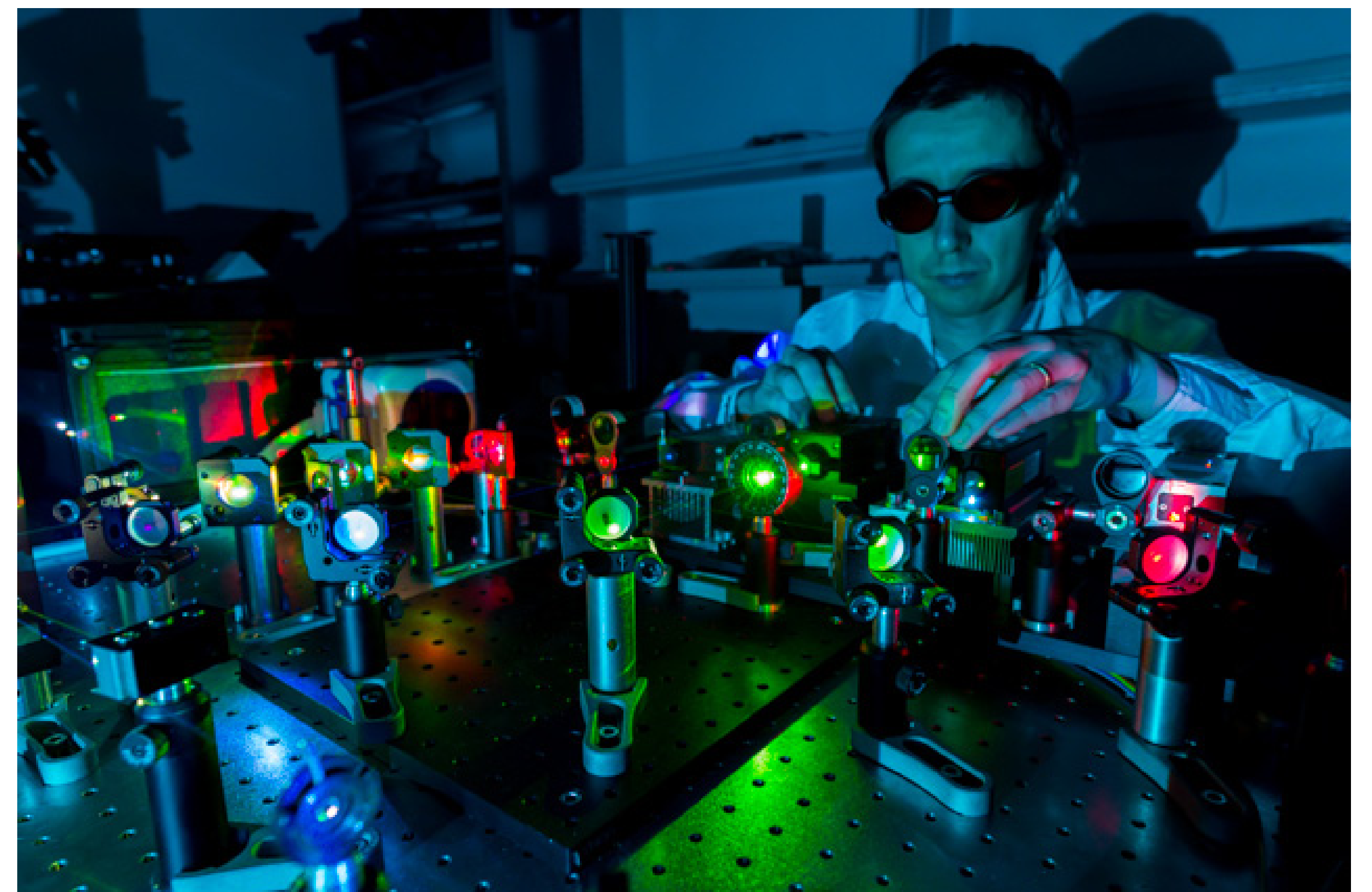
Alexei Grichine (IAB)

Olivier Destaing (IAB)

Philippe Huber / David Liebl (iRTSV)

Alain Buisson (GIN)

Ramesh Pillai (EMBL)



Crédit photo : CEA/Denis Morel

### Venue

The Institut de Biologie Structurale (IBS) is located in the area of Grenoble called 'EPN Science Campus' and information to access the site is available at [www.ibs.fr](http://www.ibs.fr). Visitors to the EPN science campus must be registered for a visit prior to arrival. In order to prepare this registration, please send before April 09th your surname, name, place and date of birth, nationality as well as the name of your employer to [odile.kaikati@ibs.fr](mailto:odile.kaikati@ibs.fr). You will need to produce proof of identification (e.g. passport, ID card) to be able to enter.

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10:15-10:40 Virgile Adam (IBS): Super-resolution imaging and fluorescent proteins engineering

10:40-11:05 Cécile Morlot (IBS): Pioneering the use of PALM in *Streptococcus pneumoniae*: development of functional tools and nanostructure of the bacterial division leader FtsZ

11:05-11:30 Meike Stetler (IBS): Fluorescence-based techniques for the study of DNA repair mechanisms

11:30-11:55 Ramesh Pillai (EMBL): Fluorescence studies of a small RNA biogenesis machinery

11:55-12:20 Alain Buisson (GIN): About the use of fluorescent tools to monitor neuron function under physiological and pathological conditions: the example of Alzheimer disease

12:30 -14:00 Lunch (only provided to speakers)

14:00-14:25 Philippe Huber/David Liebl (iRTSV) : The help of fluorescence microscopy to decipher the action mode of bacterial virulence factors

14:25-14:50 Antoine Delon (LiPhy): Fluorescence fluctuation microscopy or how to measure concentration and mobility of molecules for cellular biology

14:50-15:15 Alexei Grichine (IAB): Tools for fluorescence microscopy and spectroscopy in the institute Albert Bonniot

15:15-15:40 Olivier Destaings (IAB): Interest of optogenetics for investigation of cell invasion

15:40:16:10: Coffee break

16:10-16:35 Céline Lafaye (IBS): Structural study of a fluorescent flavoprotein able to generate a reactive oxygen species

16:35-17:00 Jean-Philippe Kleman (IBS): The IBS cellular imaging platform: visualization and analysis of live cells

17:00-17:25 Dimitrios Skoufias (IBS): Use of fluorescent proteins to study the chromosome passenger protein complex in cells

17:30: Conclusion –discussion–organization of further meetings ?