



## Microscopy in 3D and Image Analysis

# 21<sup>th</sup> November 2019

at the Institute for Advanced Biosciences

- How would expert techniques (STORM, LightSheet, Adaptive Microscopies) enhance your imaging experience?
- What are the possibilities of 3D EM ?
- How will Artificial Intelligence help your Image Analysis?

➤ **Registration required: [bit.ly/FluoDay](https://bit.ly/FluoDay)**





## FLUODAY 2019

### Microscopy in 3D and Image Analysis

- 8h30**      **Accueil**
- 9h00      Yves Usson (TIMC)  
*Le mot du responsable*
- 9h05      Isabelle Arnal and Virginie Stoppin-Mellet (GIN)  
*Single molecules and Cryo tomo for microtubules studies*
- 9h30      Jean-Philippe Kleman and Joanna Timmins (IBS)  
*3D PALM/STORM and bacterial division*
- 9h55      Pierre-Henri Jouneau and Giovanni Finazzi (CEA)  
*3D electron microscopy by FIB SEM*
- 10h20      Présentation flash de posters
- 10h30**      **Pause**
- 11h00      Florence Appaix and Jean-Christophe Deloulme (GIN)  
*Light sheet microscopy preparation of the samples*
- 11h25      Antoine Delon and Alexei Grichine (LiPhy & IAB)  
*Adaptive microscopy for deep imaging*
- 11h50      Benjamin Rappaz (LycéeTec, Suisse)  
*Biological applications with holographic microscopy*
- 12h15**      **Déjeuner : raclette**
- 14h00      Jean Louis Besserau (Lyon, LyMIC)  
*Contact with Lyon (EM, Optical, 3D ? description des plateformes ?)*
- 14h30      Lucas Benoit and Karin Pernet Gallay (GIN)  
*Problèmes liés à l'analyse des grands volumes de données : 3D quantitatif.*
- 14h55      Arnold Fertin and Yves Usson (TIMC)  
*Bonnes pratiques en acquisition d'images*  
*Les outils en analyse d'image : Waterflow, random Forest,*
- 15h30**      **Pause**
- 15h45      AI for IA : introduction Jean Pierre Chevallet (LIG)  
*AI which perspectives ?*
- 16h15      Table ronde (J-P Chevallet, Thomas Christen, Johan Poignant)  
*Could AI help the day to day work of an imaging biologist?*  
*IA answer your questions !*

**Remise du prix du meilleur Poster et Clôture :17h**