

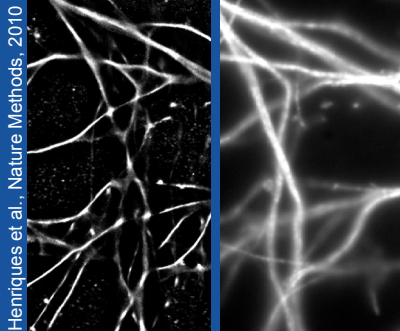


M. Philippe SANSONETTI, Professeur

Seeing is believing - 2 Superresolution meets superbugs

Colloque en anglais, organisé avec Guy Tran Van Nhieu, *Collège de France*
Régis Tournebize, *Institut Pasteur*

le lundi 4 juin 2012, de 8h45 à 18h30



Henriques et al., *Nature Methods*, 2010

8h45 - 09h00 Introduction, Philippe Sansonetti

A vision of cell infection at superresolution

- 9h00 - 09h45 Key note lecture : Imaging at the molecular level: an open window toward chemistry in cellulose
Antoine TRILLER, *Ecole Normale Supérieure (Paris)*
- 9h45 - 10h15 Multiple correlative microscopy approaches to study host-pathogen interactions
Frank LAFONT, *Institut Pasteur (Lille)*
- 10h15 - 10h45 The application of light sheet based fluorescence microscopy in modern three-dimensional cell biology (LSFM)
Ernst STELZER, *Goethe Universität (Frankfurt, Allemagne)*
- 10h45 - 11h15 Break
- 11h15 - 11h45 Philippe BASTIN, *Institut Pasteur (Paris)*
Intraflagellar transport: a race within the eukaryotic flagellum
- 11h45 - 12h15 Zooming into infected cells: pointillist microscopy of HIV and other bugs
Christophe ZIMMER, *Institut Pasteur (Paris)*
- 12h15 - 12h45 Just a few receptors speed-up the malaria parasite
Freddy FRICHKNECHT, *Universitätsklinikum Heidelberg (Allemagne)*

A vision of tissue infection at superresolution

- 14h00 - 14h45 Advances in fluorescence and optoacoustic imaging for visualizing infection in-vivo
Keynote lecture : Vasilis NTZIACHRISTOS, *Technische Universität München (Allemagne)*
- 14h45 - 15h15 Targeted delivery of fluorescent macromolecules for cancer imaging and therapy
Jean-Luc COLL, *Institut Albert Bonniot (Grenoble)*
- 15h15 - 15h45 Multiscale magnetic resonance imaging of inflammation and fibrosis
Bernard VAN BEERS, *Hôpital Beaujon et Faculté de Médecine Bichat (Paris)*
- 15h45 - 16h15 TOF-SIMS micrometric imaging mass spectrometry: promises and pitfalls
Olivier LAPRÉVÔTE, *Faculté des Sciences Pharmaceutiques (Paris)*
- 16h15 - 16h45 Break
- 16h45 - 17h15 MALDI Mass Spectrometry Imaging: Exploring Physiopathological Processes in Tissues Through Untargeted Molecular Analysis
Isabelle FOURNIER, *Université Lille 1*
- 17h15 - 17h45 Imaging Shigella infection, a whole 'host' of options...
Ellen ARENA, *Institut Pasteur (Paris)*
- 17h45 - 18h15 Revisiting the cell biology of *Listeria monocytogenes* infection by tissue imaging
Marc LECUIT, *Institut Pasteur (Paris)*
- 18h15 - 18h30 Conclusion

■ Amphithéâtre Marguerite de Navarre

11, place Marcelin-Berthelot - Paris 5^e

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Accès libre dans la limite des places disponibles

L'Administrateur du Collège de France
Pierre Corvol