

Paris School of Neuroscience Spring School 2010

Optical Imaging and Electrophysiological Recording in Neuroscience

Tuesday April 20th – Friday April 30th 2010

Université Paris Descartes
45 Rue des Saints Pères, 75006 Paris
www.paris-neuroscience.fr

TOPICS

Photophysics and photochemistry of fluorophores, Light sources and detectors, CCD cameras, Conventional and confocal microscopy, Patch clamp, Viral transfection, Extracellular recording, Fluorescent indicators for calcium and membrane potential, Multi-electrode arrays, In vivo electrical recording and imaging, Single molecule imaging, Data and image analysis, Two-photon confocal, Adaptive optics in microscopy, Photolysis.

Two lectures daily and eight days hands-on practical work.

Fee: 800 Euro including accommodation (for 12 nights), breakfast, lunch.

HOW TO APPLY

Applications should be made on the website and must include a brief (1-2 page) CV, description of the current research project and a letter of recommendation from advisor, lab head or a senior colleague. Some bursary support as a half fee will be available.

FACULTY for the 2009 school were:

Brad Amos, Elena Avignone, Boris Barbour, Mirielle Blanchard-Desces,
Marco Beato, Jonathan Bradley, Marco Canepari, Larry Cohen,
Maxime Dahan, John Dempster, Didier Desaintjan, Marco Diana,
Stéphane Dieudonné, David DiGregorio, Valentina Emiliani, Lyle Graham,
Clément Léna, Sandrine Leveque-Fort, Jean Livet, Isabel Llano, Troy Margrie,
Alain Marty, Uwe Maskos, Gail McConnell, David Ogden, Martin Oheim,
Francisco Palma-Cerda, Christophe Pouzat, Stefanie Reichelt, Eric Schwartz,
Brandon Stell, Klaus Suhling, German Szapiro, Martin Thomas, Pierre Vincent.

2010 Program coordinated by Boris Barbour, David Ogden and Brandon Stell.

