Paris School of Neuroscience
Summer School 2009

Optical Imaging and Electrophysiological Recording in Neuroscience

Wednesday July 1st - Saturday July 11th 2009
Université Paris Descartes 45 Rue des Saints Pères - 75006 Paris

www.paris-neuroscience.fr

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

There will be 2 lectures daily and 9 days hands-on practical work.

Fee: 800 Euro including accommodation (for 10 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
Brad Amos  Boris Barbour  Mirielle Blanchard-Desces
Marco Beato  Jonathan Bradley Marco  Canepari
Serge Charpak  Larry Cohen  Maxime Dahan
John Dempster  Stephane Dieudonne  David Digregorio
Valentina Emiliani  Lyle Graham  Pascal Legendre
Sandrine Leveque-fort  Jean Livet  Isabel Llano
Troy Margrie  Alain Marty  Gail McConnell
David Ogden  Martin Oheim  Christophe Pouzat
Stefanie Reichelt  Brandon Stell  Klaus Suhling
Martin Thomas  Pierre Vincent  Martin Thomas

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