

Thursday, May 27<sup>th</sup>, 2010, 4:00 pm

Institut Curie, Developmental Biology Pôle, 26 rue d'Ulm, Paris

Venue : Main Conference Room

**Leica Scientific Forum Paris**

**Advances in Life Science**

**Prof. Marcel Bruchez**

Carnegie Mellon University, Pittsburgh/USA

**“Genetically Targeted Multichromophore Structures for Bright, Sensitive, and Responsive Cellular Imaging”**

May 27<sup>th</sup>, 2010

4:00 pm Welcome by Chairman Prof. Jean Salamero

Prof. Bruchez' lecture will cover:

- The exploitation of noncovalent interactions between selected expressible polypeptides and low-fluorescence dye molecules to manipulate the brightness, achieving fluorescence enhancements in excess of 10,000-fold.
- The modules are tailored by modification of both the polypeptide and the dye molecule to provide unique sensing and imaging properties, reporting in real-time on subcellular location and target-specific physiology in fluorescent imaging at and beyond the optical diffraction limit.

Discussion

5:15 pm Post Lecture Reception – Meet the Speaker

**Scientific Advisory Board:** Prof. Daniel Choquet (Université de Bordeaux), Prof. Pierre-François Lenne (IBDML Luminy, Marseille), Prof. Jean Salamero (Institut Curie, Paris), Prof. Spencer Shorte (Institut Pasteur, Paris), Dr. Thomas Zapf (Leica Microsystems GmbH)

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