

OCTOBER in PARIS WITH PEPTIDES & PROTEINS MOLECULES OF LIFE

<http://www.u-cergy.fr/en/advanced-studies-institute/thematic-cycles/thematic-semesters-2014/molecules-of-life.html>

Chair: Prof. Anna Maria Papini (Institute for Advanced Studies - University of Cergy-Pontoise, France). **Co-chairs:** Prof. Solange Lavielle (Université Pierre et Marie Curie, Paris, France) & Prof. William D. Lubell (Université de Montréal, Québec, Canada).



Symposium “Peptides & Proteins Molecules of Life” October 5-8, 2014

Site of Gennevilliers
University of Cergy-Pontoise, France
(RER C: Gennevilliers)

1st Peptide & Protein Chemistry & Biology Training Workshop for Postdoctoral fellows & PhD students October 8-10, 2014

PeptLab@UCP Platform
www.peptlab.eu
Neuville Université
University of Cergy-Pontoise, France
(RER A: Neuville Université)

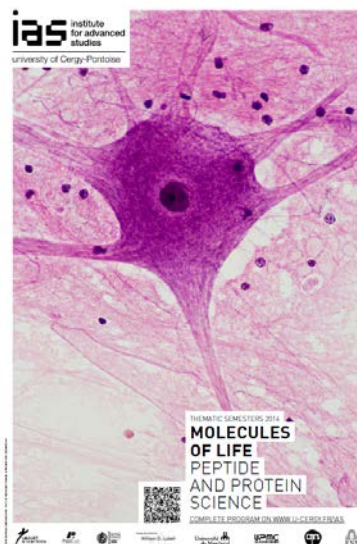
For further information please contact via e-mail
solange.lavielle@upmc.fr

Program Organizers: Anna Maria Papini, William D. Lubell & Solange Lavielle.

Local Scientific & Organizing Committee: Nadège Lubin-Germain & Thierry Brigaud.

Organizing Training Committee: Olivier Monasson, Fabienne Burlina, Maud Larregola, Francesca Nuti, Cedric Rentier, Matthea Ieronimaki, Feliciano Real-Fernandez & Elisa Peroni.

Scientific & Organizing Committee of the Institute for Advanced Studies: Hung The Diep, Florence Brouillaud & Ratana Pok. E-mail: iea@ml.u-cergy.fr.



Symposium "Peptides & Proteins Molecules of Life" October 5-8, 2014

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PROGRAM

Oral & Poster Communications will be selected upon registration

DISTINGUISHED SPEAKERS

Stephen Kent. Institute for Biophysical Dynamics, University of Chicago (IL, USA).

"Bringing the Science of Proteins into the Realm of Organic Chemistry"

Lars Baltzer. Department of Chemistry, BMC, Uppsala Universitet (Sweden).

"The Conjugation of Small Molecules to Polypeptides and the Role of Polypeptide Conjugates in Drug Development"

Jean-Louis Banères. IBMM, University of Montpellier 1 & 2 (France).

"Signaling Through a G Protein-Coupled Receptor: a Matter of Conformational Adaptations"

Christian Becker. Department of Chemical Biology, University of Vienna (Austria).

"Chemical Protein (Semi-)Synthesis - Generating Tailor-Made Proteins for Biology & Biotechnology"

Alicia Boto. Instituto de Productos Naturales y Agrobiología CSIC, Tenerife (Spain).

"Creating Diversity in Peptide Libraries: New Customizable Units for the Site-Selective Modification of Peptides"

Ashraf Brik. Ben-Gurion University of the Negev (Israel)

"Unraveling the Mysteries of the Ubiquitin Signal Using Chemical Protein Synthesis"

Nedjlika Budisa. Department of Chemistry, Technische Universität Berlin (Germany).

"Coupling Bioorthogonal Chemistries with Artificial Metabolism"

Philip E. Dawson. The Scripps Research Institute, La Jolla (CA, USA).

"Mimicking Viral Surface Glycoproteins Using Synthetic Nanoparticles"

Assaf Friedler. Institute of Chemistry, The Hebrew University of Jerusalem (Israel).

"Intrinsically Disordered Proteins as Drug Targets"

Fernando Formaggio. Department of Chemistry, University of Padova (Italy).

"Peptaibiotics: Investigation of their Membrane Action by an Integrated Synthetic and Spectroscopic Approach"

Aphrodite Kapurniotu. Technische Universität München (Germany).

"Cross-Amyloid Peptide Inhibitors of Protein Aggregation in Cell Degenerative Diseases"

Galia Maayan. Technion – Israel Institute of Technology (Israel)

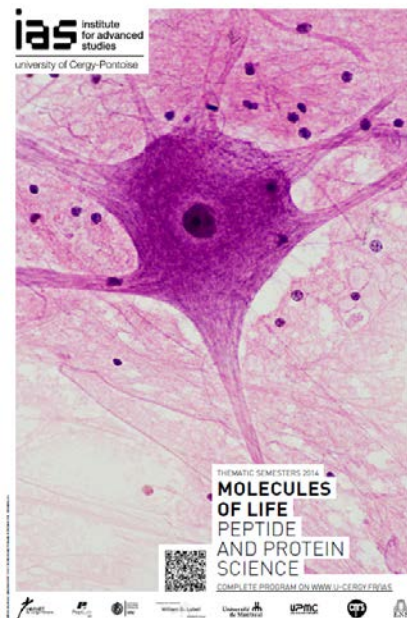
"Metallopeptoids: from Structure to Function"

Giancarlo Morelli. Department of Pharmacy, University of Naples "Federico II" (Italy).

"Peptides as delivery tools of supramolecular carriers for diagnostic and therapeutic applications"

Derek Woolfson. School of Chemistry, University of Bristol (United Kingdom).

"De Novo Proteins: Faster, Better, Fitter"



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(RER A: Neuville Université)

PROGRAM

Open to 25 selected Postdoctoral fellows and PhD students

Round table *“Standing on the shoulders of giants”*

Young Peptide Scientists will have the opportunity to discuss about *“The future of peptides in science, technology, and medicine”* with:

- **Prof. Michael Chorev** (Brigham & Women's Hospital & Harvard Medical School, Cambridge, MA, USA),
- **Dr. Waleed Danho** (Distinguished Research Leader & Consultant for Peptides, San Diego, CA, USA),
- **Prof. Luis Moroder** (Max Planck Institute for Biochemistry, Martinsried, Germany),
- **Prof. Claudio Toniolo** (University of Padova, Italy).

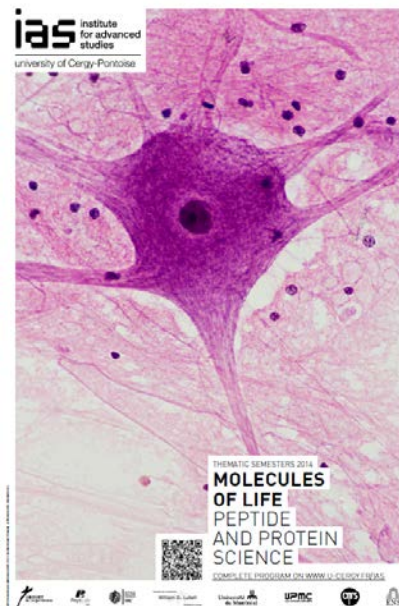
The 25 selected Postdoctoral fellows & PhD students will attend tutorials to be presented as follows:

- Seminars will be given by experts in the field on subjects pertaining to peptide & protein science.
- Case studies, presented by experts in that particular field, illustrating the interdisciplinary approach in peptide & protein science.
- Three half-day practical sessions, which allow the participants to have direct “hands on” experience relating to the various topics presented.

Training programs will be designed with Discussion Leaders to advance:

- Innovations in peptide synthesis.
- Chemical Ligation – when and how? A challenge for post-translational modifications.
- Innovation in chromatographic methods and purification strategies.
- Biophysical approaches to characterise peptide-protein & protein-protein interactions.

For further information please contact: e-mail: solange.lavielle@upmc.fr



OCTOBER in PARIS WITH PEPTIDES & PROTEINS MOLECULES OF LIFE

On behalf of the **Institute for Advanced Studies** (IEA) within the University of Cergy Pontoise and under the auspices of the **European Peptide Society**, we cordially invite you to participate in the **1st Peptide & Protein Chemistry & Biology Training Workshop** addressed to young scientists (Postdoctoral fellows & PhD students) both from the academic and industrial settings interested in Innovation in Peptide and Protein Science. The main objective is to schedule a series of roaming workshops bringing together companies having specialized products to present (basic and applied science) with the aim of stimulating discussions on the most up to date scientific and technological advances in peptide science.

Specific training programs in this series will be designed to promote advancement in Education in chemistry, biochemistry, biology, pharmacology, and immunology of peptides for life science, material science, & catalysis. In particular, the 1st training course will be focused on:

- Innovations in peptide synthesis.
- Chemical Ligation – when and how? A challenge for post-translational modifications.
- Innovation in chromatographic methods and purification strategies.
- Biophysical approaches to characterise peptide-protein & protein-protein interactions.

The **1st Peptide & Protein Chemistry & Biology Training Workshop** will be addressed to 25 Postdoctoral fellows and PhD students & the tutorials will be presented as:

- Seminars that will be given by experts in the field on subjects pertaining to peptide & protein science.
- Case studies, presented by experts in that particular field, illustrating the interdisciplinary approach in peptide & protein science.
- Three half-day practical sessions, that will allow the participants to have direct “hands on” experience related to the various topics presented.

This workshop will commence with the **Round table “*Standing on the shoulders of giants*”**. Young Peptide Scientists will have the opportunity to discuss **“*The future of peptides in science, technology, and medicine*”** with:

Prof. Michael Chorev (Brigham & Women’s Hospital & Harvard Medical School, Cambridge, MA, USA), **Dr. Waleed Danho** (Distinguished Research Leader & Consultant for Peptides, San Diego, CA, USA), **Prof. Luis Moroder** (Max Planck Institute for Biochemistry, Martinsried, Germany), and **Prof. Claudio Toniolo** (University of Padova, Italy).

The workshop will be coupled to the Symposium ***Peptides & Proteins Molecules of Life***, which will be held immediately before the Training Workshop, starting on Sunday October 5th to Wednesday October 8th, 2014.

Prof. Anna Maria Papini, Prof. William D. Lubell, and Prof. Solange Lavielle

For further information please contact: e-mail: solange.lavielle@upmc.fr