



the France Chicago Center at the University of Chicago,  
The University of Chicago Center in Paris,  
and the Embassy of France in the United States  
present



# A Workshop on Collaborative Transatlantic Scientific Research through the FACCTS\* Program

Friday, January 20, 2017  
9h45-13h00  
University of Chicago Center in Paris  
6, rue Thomas Mann  
Paris 75013

\*FACCTS is an acronym for "France And Chicago Collaborating in the Sciences." A program description and impact statement can be found on the back cover.

## Workshop Program

- 9h00 Registration begins, coffee & continental breakfast offered
- 9h45 Words of Welcome by Robert Morrissey, Executive Director of the France Chicago Center; Academic Director of the University of Chicago Center in Paris
- 9h55 Representatives of French Ministries (TBC)
- 10h05 Brief Remarks about the FACCTS Program by Minh-Hà Pham, Embassy of France in the United States
- 10h15 Presentation on *Grand Chant: New High Energy Neutrino Observatories*, by Angela Olinto and Kumiko Kotera
- 10h45 Presentation on *Self-Organization of Gold Nanoparticles by Smectic Topological Defects*, by Juan de Pablo and Emmanuelle Lacaze
- 11h15 Presentation on *Investigating Neural Mechanisms for Sensing Body Movement*, by Melina Hale and Claire Wyart
- 11h45 Presentation on *Combining ultrafast X-ray diffraction and optical spectroscopy to study light-activated functions in materials and biological systems*, by Keith Moffat and Eric Collet
- 12h15 Roundtable Discussion on Collaborative Research moderated by Keith Moffat
- 12h55: Concluding Remarks
- 13h00: Lunch Reception

## Workshop Presenters

**Eric Collet** is Professor of Physics at the Université de Rennes 1, a member of the Institut Universitaire de France, and conducts research at the Institut de Physique de Rennes, a joint CNRS research unit based at the Université de Rennes 1.

**Juan de Pablo** is the Liew Family Professor in Molecular Engineering and the Deputy Director for Education and Outreach at the Institute for Molecular Engineering at the University of Chicago.

**Melina Hale** is the William Rainey Harper Professor in the Department of Organismal Biology and Anatomy, and in the Committees on Neurobiology and Computational Neuroscience at the University of Chicago. She is also the Vice Provost for Academic Initiatives at the University of Chicago.

**Kumiko Kotera** is a CNRS researcher at the Institut d'Astrophysique de Paris, a joint CNRS (Institut national des sciences de l'univers) research unit based at the Université Pierre et Marie Curie.

**Emmanuelle Lacaze** is a CNRS researcher at the Institut des NanoSciences de Paris, a joint CNRS research unit based at the Université Pierre et Marie Curie, and a member of the *Physico-Chimie et Dynamique des Surfaces* research team.

**Keith Moffat** is the Louis Block Professor of Biochemistry and Molecular Biology. He is affiliated with the Institute for Biophysical Dynamics, and the Center for Advanced Radiation Sources (CARS), and Argonne National Laboratory. He is also a faculty director of the France Chicago Center.

**Angela Olinto** is Homer J. Livingston Distinguished Service Professor of Astronomy & Astrophysics, the Enrico Fermi Institute, and the College at the University of Chicago. She is also affiliated with Kavli Institute, and currently serves as chair of the Department of Astronomy & Astrophysics.

**Claire Wyart** is an Inserm researcher and group leader within the Neurophysiology department at the Institut du Cerveau et de la Moelle épinière (ICM), a research center localised within the Pitié-Salpêtrière hospital campus and affiliated with CNRS and Université Pierre et Marie Curie, Paris 6. She is a New York Stem Cell Foundation Robertson fellow.

## FACCTS Program Description

*The FACCTS program (France and Chicago Collaborating in the Sciences) provides seed funding in amounts ranging from \$7,500 to \$40,000 to teams of talented scientists from Chicago and France who collaborate in order to advance knowledge and address some of the most pressing problems of the 21st century. In this way, the program enhances scientific inquiry, while promoting closer working relationships between research teams in the two countries. FACCTS applications are submitted online and evaluated annually by a committee of University of Chicago faculty members and scientific representatives of the French Government. Each year, 8-14 projects are selected for support by this program.*

*FACCTS is organized by the France Chicago Center (FCC) at the University of Chicago and supported by FCC and five partner units within the University of Chicago<sup>1</sup>, by two national laboratories<sup>2</sup>, and by the French Ministry of Foreign Affairs and International Development, represented by the Office for Science and Technology of the Embassy of France in the United States. Since all program administrative costs are assumed by the France Chicago Center, the totality of funds raised by program partners (\$225,000 in 2017) is disbursed directly to the scientists conducting FACCTS-sponsored research.*

*Through the nine-year life of the program, more than \$1.1 million dollars have been awarded to support 92 different projects. Over that period, FACCTS-sponsored research has led to enhanced relationships between UChicago and 40 different institutions in France, hundreds of publications jointly co-authored by UChicago and French scientists, transatlantic circulation of dozens of graduate students and postdocs, and subsequent funding from U.S. and French sources at combined levels that exceed \$15 million.*

<sup>1</sup> *The Office of the Provost; The Office of the Executive Vice President for Research, Innovation, and National Laboratories; The Division of the Biological Sciences; the Division of the Physical Sciences; and the Institute for Molecular Engineering*

<sup>2</sup> *Argonne National Laboratory and Fermilab National Accelerator Laboratory*