



July 15-18, 2018 - Paris, France

COMMITTEE

CONFERENCE CHAIRS AND LOCAL ORGANIZING COMMITTEE

- **C. Louis**, Louis, Laboratoire de Réactivité de Surface (LRS), UPMC - CNRS
- **O. Pluchery**, Institut des Nanosciences de Paris (INSP), UPMC - CNRS
- **A. Baeza**, Unité de Biologie Fonctionnelle et Adaptative (BFA), Université Paris-Diderot - CNRS
- **S. Bidault**, Institut Langevin, ESPCI Paris - CNRS
- **L. Fensterbank**, Institut Parisien de Chimie Moléculaire (IPCM), UPMC - CNRS
- **F. Garin**, French Chemical Society (SCF)
- **A. Lévy**, Institut des Nanosciences de Paris (INSP), UPMC - CNRS
- **E. Maisonhaute**, Laboratoire Interfaces et Systèmes Electrochimiques (LISE), UPMC - CNRS
- **F. Ribot**, Laboratoire de Chimie de la Matière Condensée de Paris (LCMCP), UPMC - CNRS - Collège de France
- **D. Roig**, French Chemical Society (SCF)

ORGANIZING PARTNERS



INVITATION

8TH INTERNATIONAL CONFERENCE

Recent advances in catalysis, plasmonics, nanoelectronics and nanomedicine

The **Gold 2018** conference will be held on the renovated campus of the **Pierre et Marie Curie University** (UPMC), in downtown Paris, close to the Seine River and to Notre-Dame Cathedral.

As a material, gold has experienced a renewed interest from the scientific community during these last decades. It started with the field of catalysis by gold nanoparticles, and it is now expanding to booming scientific areas such as homogeneous catalysis, plasmonics, materials sciences, biotechnology, nanotechnology and therapeutic applications. The science of gold has thus become a highly **multidisciplinary field**.

During **Gold 2018**, specialists will be given the opportunity to discuss the most recent highlights and achievements of their field, and also to get a comprehensive overview of the related areas of gold science in the parallel sessions of the conference.

CONFERENCE WEBSITE: WWW.GOLD2018.ORG



TOPICS

The **Gold 2018** conference will deal with topics related to gold, within the variety of its form: gold nanoparticles, gold surfaces, gold complexes, gold cations... That will be distributed within six topics listed below.

- **CATALYSIS**

Heterogeneous catalysis (oxidation, hydrogenation, single site catalysis...) Photocatalysis / Electrocatalysis / Plasmonics assisted catalysis / Bimetallic catalysis

- **PLASMONICS**

Nanophotonics / Thermal effects / Ultrafast spectroscopy / Surface enhanced spectroscopies (fluorescence, SERS, SEIRA, TERS) / Nonlinear optics

- **BIOFUNCTIONALIZATION AND MEDICAL APPLICATIONS**

Theranostics / Environmental impact / Toxicity / Biosensing / Biofunctionalization / Therapy / Imaging

- **NANOPARTICLES SYNTHESIS AND SELF-ASSEMBLY**

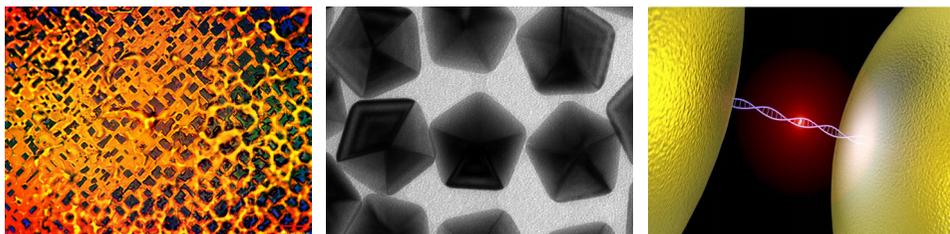
Bioinspired self-assembly / Self-assembled monolayers on gold surfaces and on nanoparticles / Self-organization of nanoparticles and supracrystals / DNA nanotechnology / Nano-clusters / Novel syntheses and novel surface ligands

- **MOLECULAR GOLD COMPLEXES**

Coordination chemistry / Homogeneous catalysis / Luminescence / Bioactivity

- **NANOELECTRONICS AND ELECTROCHEMISTRY**

Hot carriers in plasmonics / Nanoelectronics / Gold functionalization for molecular electronics / Electrochemistry / Charge transfer at interfaces



PLENARY SPEAKERS



- **Naomi Halas** (Rice University, USA)

From Faraday to tomorrow: light-based applications for gold nanoparticles



- **Antonio Echavarren** (ICIQ, Tarragona, Spain)

Gold-complexes for the synthesis of bioactive compounds (tentative title)



- **Cynthia Friend** (Harvard University, USA)

Predicting catalytic function of gold-based alloys: fundamentals and application

DAVID THOMPSON MEMORIAL LECTURE



- **Georges Calas** (Université Pierre et Marie Curie)

From gold nuggets to « invisible » gold: how the coordination chemistry of gold demonstrates its diversity in geological systems

IMPORTANT DATES

- Opening of abstract submission: November 2nd 2017
- Deadline of abstract submission: January 22nd 2018
- Notification of acceptance: March 30th 2018
- Opening of online registration: March 5th 2018
- Deadline of early bird registration: May 15th 2018
- Deadline of online registration: July 3rd 2018