



Gold 2018

July 15-18, 2018 - Paris, France



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SPONSORSHIP KIT

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[www.gold2018.org](http://www.gold2018.org)

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## INTRODUCTION

The **Gold 2018** conference will be held on **July 15-18, 2018 in Paris, France**, 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.

**Gold 2018** is the 8<sup>th</sup> edition of the International conference series organized every three years, following Gold 2015 in Cardiff, Gold 2012 in Tokyo, Gold 2009 in Heidelberg... 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**, 4 plenary speakers along with 40 keynotes speakers are invited to deliver conferences on the most recent highlights and achievements of their fields. They have been selected to maximize the attractivity of the



*Fluorescent molecule on a DNA strand in a plasmonic resonator  
(V. Poulard & M. P. Busson)*

conference. Thanks to the expected 200 contributed talks and 200 posters from regular participants, the conference will bring a comprehensive overview on the topics related to gold science within several parallel sessions.

## PREVIOUS EDITIONS

**Gold 2018** is the 8th edition of the International conference series organized every three years, following Gold 2015 in Cardiff, Gold 2012 in Tokyo, Gold 2009 in Heidelberg...

EDITION	PLACE	CHAIRMEN	ATTENDEES
<b>1996</b>	<b>Hanau</b> Germany	Hubert SCHMIDBAUR	
<b>2001</b>	<b>Cape Town</b> South Africa	David T. THOMPSON	100
<b>2003</b>	<b>Vancouver</b> Canada	Christopher CORTI	200
<b>2006</b>	<b>Limerick</b> Ireland	Julian ROSS Christopher CORTI	300
<b>2009</b>	<b>Heidelberg</b> Germany	Stephen HASHMI Christopher CORTI	450
<b>2012</b>	<b>Tokyo</b> Japan	Masatake HARUTA Takashi TAKEI	350
<b>2015</b>	<b>Cardiff</b> United Kingdom	Graham HUTCHINGS	280
<b>2018</b>	<b>Paris</b> France	Catherine LOUIS Olivier PLUCHERY	400-500



## 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..., which will be distributed within the six topics listed below.

### 1- Catalysis

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

### 2- Plasmonics

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

### 3- Biofunctionalization and medical applications

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

### 4- Nanoparticles synthesis and self-assembly

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

### 5- Molecular gold complexes

Coordination chemistry / Homogeneous catalysis / Luminescence / Bioactivity

### 6- Nanoelectronics and electrochemistry

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



## PROVISIONAL PROGRAM

The 8<sup>th</sup> edition of the International conference will start on Sunday 15<sup>th</sup> July, the day after the celebration of the French National day and the amazing firework of the night of 14<sup>th</sup> July. It will end on Wednesday 18<sup>th</sup> July, around 4 pm.

	MORNING	AFTERNOON	EVENING
SUNDAY 15		Registration	Welcome reception
		David Thomson Memorial Lecture	
MONDAY 16	Plenary sessions	Parallel sessions	
	Parallel sessions		
TUESDAY 17	Plenary sessions	Parallel sessions	Conference banquet
	Parallel sessions		
WEDNESDAY	Plenary sessions	Parallel sessions	
	Parallel sessions		

**The welcome reception** will take place on Sunday 15<sup>th</sup> July evening on the campus of the Pierre et Marie Curie University at the registration place after the opening lecture of general interest; booths will be already available for exhibitions.

**The conference banquet** will take place on Tuesday 17<sup>th</sup> July evening in an attractive place of Paris, close to the conference spot.

## CONFERENCE COMMITTEES

### International Advisory Board

**D. Astruc**, Bordeaux University, France  
**M. Barberi-Heyob**, Lorraine University, France  
**P. Bishop**, Johnson Matthey (company), UK  
**M. Brust**, University of Liverpool, UK  
**A. Dereux**, Bourgogne University, France  
**G. Dujardin**, Paris-Saclay University, France  
**R. Van Duyne**, Northwestern University, USA  
**M. El-Sayed**, Georgia Tech, USA  
**J. Feliu**, University of Alicante, Spain  
**H.-J. Freund**, Fritz Haber Institute, Berlin  
**T. Keel**, World Gold Council, UK  
**M. Haruta**, Tokyo Metropolitan University, Japan  
**S. Hashmi**, Heidelberg University, Germany  
**G. Hutchings**, Cardiff University, UK  
**H. Kosai**, Tanaka Kikinzoku, Japan  
**D. Leznoff**, Simon Fraser University, Canada  
**L. Liz-Marzan**, CIC biomaGUNE, Spain  
**C. Murphy**, University of Illinois at Urbana-Champaign, USA  
**V. Rotello**, University of Massachusetts, USA  
**D. Rowles**, BBI (company), UK  
**M. Sankar**, University of Cardiff, UK  
**A. Tadjeddine**, University Paris-Saclay, France  
**H. Teles**, BASF (company), Germany  
**T. Zhang**, Dalian Institute of Chemical Physics, China

### National Scientific Committee

**D. Amans**, Université Claude Bernard Lyon 1, Lyon  
**P.-F. Brevet**, Université Claude Bernard Lyon 1, Lyon  
**A. Courty**, Université Pierre et Marie Curie, Paris  
**A. Demessence**, Université Claude Bernard Lyon 1, Lyon  
**B. Domenichini**, Université de Bourgogne Franche-Comté, Dijon  
**V. Gandon**, Université Paris-Saclay, Orsay  
**F. Gauffre**, Université de Rennes 1, Rennes  
**F. Gazeau**, Université Paris Diderot, Paris  
**Y. Gimbert**, Université Grenoble Alpes  
**H. Guesmi**, Université de Montpellier, Montpellier  
**B. Humbert**, Université de Nantes, Nantes  
**M. Lamy de la Chapelle**, Université Paris-13, Bobigny  
**D. Loffreda**, Ecole Normale Supérieure de Lyon, Lyon  
**I. Lucas**, Université Pierre et Marie Curie, Paris  
**V. Mansuy**, Université Pierre et Marie Curie, Paris  
**N. Mignet**, Université René Descartes, Paris  
**T. Napporn**, Université de Poitiers, Poitiers  
**B. Palpant**, Ecole Centrale-Supélec, Cachan  
**L. Ressier**, Institut National des Sciences Appliquées, Toulouse  
**S. Roux**, Université de Franche-Comté, Besançon  
**N. Sanson**, Ecole Supérieure de Physique et Chimie Industrielle, Paris  
**M. Tréguer**, Université de Bordeaux, Bordeaux  
**H.-C. Weissker**, Université Aix-Marseille, Marseille



## Conference chairs

**C. Louis**, Laboratoire de Réactivité de Surface (LRS), UPMC - CNRS  
**O. Pluchery**, Institut des Nanosciences de Paris (INSP), UPMC - CNRS

## Local Organizing Committee

**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



SCF is a learned society founded in 1857, gathering French Chemists. It is structured into several entities: Scientific divisions, Thematic groups, Regional sections integrating the Young Chemists' Clubs. SCF contributes to the development of all chemistry fields, of think-tanks about education, research, industry and economic forecasting, societal and professional, and represents the whole chemists to the authorities.

[www.societechimiquedefrance.fr](http://www.societechimiquedefrance.fr)



**University Pierre and Marie Curie (UPMC)** is the largest scientific and medical complex in France with 34,000 students. It is a public research university like most of the French universities, which is located on the Campus of Jussieu in the Latin Quarter in the very heart of Paris. The University gathers more than 3,750 professor-researchers in 100 laboratories and additional 2,800 researchers working as partners from four French national research organizations: CNRS (science), Inserm (health and medical), IRD (development) and Inria (computing and automation). In 2018, **UPMC** is merging with Paris-Sorbonne to form **Sorbonne University** gathering Humanities, Social Sciences, Sciences and Medicine.

[www.upmc.fr](http://www.upmc.fr)



## PLENARY SPEAKERS

### **Naomi J. Halas**, Rice University, USA

*"From Faraday to tomorrow: light-based applications for gold Nanoparticles"*

Halas is one of the pioneering researchers in the field of plasmonics, creating the concept of the "tunable plasmon" and inventing a family of nanoparticles with resonances spanning the visible and infrared regions of the spectrum. She pursues fundamental studies of coupled plasmonic systems as well as applications of plasmonics in biomedicine, optoelectronics, chemical sensing, photocatalysis, and most recently in solar energy and sustainability, with 'solar steam' technology. She is co-founder of Nanospectra Biosciences, a Houston-based company developing photothermal therapies for cancer and other diseases based on her nanoparticles, currently in multiple clinical trials, and is currently transferring other technologies from her laboratory.



### **Antonio Echavarren**, ICIQ Tarragona, Spain

*"Gold-complexes for the Synthesis of Bioactive Compounds"*

The most important contributions of his group have been in the area of homogeneous gold catalysis, where they have established the basis for the mechanistic understanding of the reactions of alkynes with alkenes that have guided the discovery of many new transformations, which have been applied in the context of the total synthesis of biologically relevant natural products and molecules of interest in material science. His group has also introduced new gold catalysts that are used routinely by many research groups.



### **Cynthia Friend**, Harvard University, USA

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

Friend's current research is focused on developing solutions to important problems in energy usage and environmental chemistry. The two major research projects on going in the Friend group are (1) development of design principles for efficient and sustainable heterogeneous catalysis and (2) foundational studies of photochemical processes on transition metal oxides and nanomaterials. Experiments span fundamental surface science studies, imaging and spectroscopy investigation of materials evolution under reaction conditions, and catalyst testing in flow reactors. Strong theoretical collaborations provide deeper understanding of these processes.

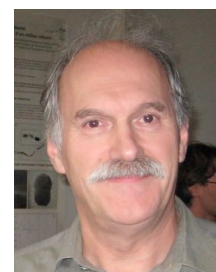


### **David Thomson Memorial Lecture**

#### **Georges Calas**, Université Pierre et Marie Curie, Paris, France

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

His scientific activities concentrate on integrating spectroscopic and structural methods to understand disordered materials, including structure-property relationships in natural minerals and synthetic materials. The outcome concerns the crystal chemistry of minor elements in minerals, the structure and properties of glasses, radiation damage and radiogenic waste, and environmental mineralogy. Additional expertise concerns mineral resources and sustainable development.



## CONFERENCE VENUE

**Gold 2018** conference will take place in Université Pierre et Marie Curie - Campus Jussieu, located in the heart of Paris, about 600m from Notre-Dame Cathedral: 4 place Jussieu - 75005 Paris, France



The campus of Jussieu has been recently renovated and was officially inaugurated in 2016.

A brand new auditorium with a capacity of 500 people has been built at the level -1.

Just next to the auditorium, a dedicated area will host the key items of the conference: reception desk, exhibition area, coffee and lunch breaks (both at level -1 and level 0 in the sheltered patio above the auditorium).

A direct access to the exhibition area is possible with a car/small truck. Exhibitors can park their car for free in the underground parking lot of the university.



## WHY BECOME A SPONSOR/EXHIBITOR?



### BE VISIBLE

**Gold 2018** will bring together **up to 500 top researchers** from various science domains from all around the world, and will be an opportunity to learn about the most up-to-date research projects; the invited speakers (plenary and keynotes) are worldwide renowned group leaders who will be interested to discuss with possible supplier about their projects.

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### SHOWCASE YOUR INNOVATIONS

**Gold 2018** is a unique place to **showcase your latest innovations**, to confront products, ideas, solutions to the world of research. Special opportunities will be offered to our exhibitors and sponsors to address directly the participants at the end of the morning sessions.

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### MEET BRIGHT STUDENTS

**Gold 2018** is a unique opportunity to **improve your network**, communicate your message to a highly qualified scientific community, and benefit from a rich networking agenda and **social program**. About 150 PhD students are expected to participate and they will be happy to learn about job opportunities in your company.

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### SUPPORT SCIENCE

**Gold 2018** is also a nice opportunity to demonstrate your support towards science and its people, especially young researchers, and to build relationships for the future.

Sponsorship will contribute to the promotion, planning and operation of the conference, reducing the overall cost of managing the event and enabling a higher level of participation.

## SPONSORSHIP OFFER

We propose below several sponsorship and exhibitor packages. Please note that we can also set-up **one individualized premium ruby-gold package or specific sponsorship for events like the welcome reception or the gala dinner**. Please contact Emmanuel Maisonhaute: [emmanuel.maisonhaute@upmc.fr](mailto:emmanuel.maisonhaute@upmc.fr)

### Sponsorship packages

Prices in € - VAT excluded	GOLD €5,000	SILVER €2,500	BRONZE €1,500
Company name, logo, short summary, link to your website on the Sponsors' page of the conference website (with mention of sponsor level)	YES	YES	YES
Your promotional leaflet in the conference bag	YES	YES	YES
Logo display on sessions slideshow	Large	Medium	Small
Advert in the conference final program	1 full page	1/2 page	1/4 page
Exhibition booth* (priority on localization for gold)	10m <sup>2</sup>	5m <sup>2</sup>	5m <sup>2</sup>
Free conference registration (including coffee, lunch breaks, gala dinner)	3	2	1
Promotional flyers on sponsors' table	YES	YES	YES
10 min. presentation slot at lunch time	YES	YES	YES

\* booth equipment: 1 table + 2 chairs + 1 display panel + electric connection

## Additional sponsorship opportunities

	Prices in € VAT excluded
Personalized badges lanyards supplied by the sponsor	€500
Notepads, pens or any other goodies for attendees supplied by the sponsor	€500
5m <sup>2</sup> additional booth size	€500
Additional registration to conference	Please contact us
Sponsoring one or more coffee break	Please contact us
Sponsoring one or more lunch break	Please contact us
Conference dinner	Please contact us
Poster award	Please contact us

For any other ideas that will help to increase your company's exposure at **Gold 2018**, please contact M. Emmanuel Maisonhaute to discuss your options: [sponsor@gold2018.org](mailto:sponsor@gold2018.org)

## EXHIBITION OFFER

Prices in € - VAT excluded	DELUXE DOUBLE €2,000	DELUXE STANDARD €1,200	BASIC STANDARD €800
Exhibition booth*	10 m <sup>2</sup>	5 m <sup>2</sup>	5 m <sup>2</sup>
Company name, logo, short summary, link to your website on the exhibitor section of the conference website	YES	YES	NO
Your promotional leaflet in the conference bag	YES	YES	NO
Advert in the conference final program	1/2 page	1/4 page	NO
Free conference registration (including coffee, lunch breaks, gala dinner)	2	1	1

\* booth equipment: 1 table + 2 chairs + 1 display panel + electric connection

Two exhibition spaces are available:

- The Conference Center Hall (level -1), important traffic: Information point, plenary lectures and one session of conferences during parallels sessions, location of coffee breaks
- The Patio (level 0), important traffic: location of coffee breaks and lunches and of the posters session.

## SPONSORSHIP & EXHIBITION CONTACT

**Emmanuel Maisonhaute**

Université Pierre et Marie Curie

[sponsor@gold2018.org](mailto:sponsor@gold2018.org)

## SUBSCRIPTION FORM

Please complete and return to:  
sponsor@gold2018.org  
with your company logo (.jpg, .ai, .eps)

Company/Organisation.....

Address.....

Post code..... City.....

Country.....

Telephone.....Email.....

Website.....

**Contact detail** (person authorised to engage the contract):

Surname..... Name.....

Job title.....

Telephone.....Email.....

### Sponsorship package (in € - VAT excl.):

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GOLD: €5,000	SILVER: €2,500	BRONZE: €1,500

### Exhibition package (in € - VAT excl.):

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DELUXE DOUBLE: €2,000	DELUXE STANDARD: €1,200	BASIC STANDARD: €800

### Additional sponsorship (in € - VAT excl.):

- |   |      |
|---|------|
| <input type="checkbox"/> Badges supplied by the sponsor (500 units)       | €500 |
| <input type="checkbox"/> Notepads / pens / goodies supplied for attendees | €500 |
| <input type="checkbox"/> Exhibition booth size doubled                    | €500 |

On reception of your subscription form, you will receive a confirmation email with an invoice

TOTAL, VAT excluded = \_\_\_\_\_

VAT (20%) = \_\_\_\_\_

TOTAL, VAT included = \_\_\_\_\_

Signature + company stamp: