

## Organizing Committee

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## Venue

Aula Magna  
Ca' Dolfin, Dorsoduro 3825/D, 30123 Venezia  
and Scientific Campus, via Torino 155, Mestre-Ve



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PhD Progetti Speciali UniVe  
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## Joint Doctoral Program in Chemistry

### II Winter School

Ca Catalysis	<b>Mentoring for Chemists Bringing Excellence to grow Excellence</b>				He Heritage
Co Computational	B Bio	C Ca' Foscari	P PhD	O Organic	
W Winter School	Se Sensors	In Innovation	U UniTs	Md 150 MENDELEEV	

February 14<sup>th</sup> and 15<sup>th</sup> 2019

Aula Magna Ca' Dolfin  
& Scientific Campus  
Università Ca' Foscari Venezia

**MENTORING FOR CHEMISTS:  
BRINGING EXCELLENCE TO GROW EXCELLENCE**

**Thursday February 14<sup>th</sup> 2019**

*Aula Magna Ca' Dolfin, Dorsoduro 3825/D, Venezia*

**11.00 Welcome opening**

**11.10 - 12.00 Conference**

**Prof. Christoph Schalley**  
**Freie Universität Berlin**

Systems Chemistry: Chemical Complexity far from Equilibrium

**12.00 - 12.50 Conference**

**Prof. Bruno Chaudret**

**Institut National des Sciences Appliquées, Toulouse**

Organometallic Nanoparticles for Magnetically Induced Catalysis

**13.00 Lunch**

**14.30 - 15.20 Conference**

**Prof. Gianluca Sbardella**  
**University of Salerno**

Sympathy for the methyl: a library-on-library screening approach to identify small-molecule ligands of methyl-lysine reader proteins

**15.20 - 16.10 Coffee break**

**16.10 - 17.00 Conference**

**Prof. Ilenia Rossetti;**  
**University of Milano**

The long way to catalyst formulation through process design: the case of hydrogen production from renewable sources

**17.00 - 17.50 Conference**

**Prof. Alexander Kuhn;**  
**Université de Bordeaux**

Unusual approaches for symmetry breaking in physico-chemical systems

**18.00 Concluding remarks**

**Friday February 15<sup>th</sup> 2019**

*Scientific Campus Via Torino 155 Venezia Mestre*

**9.30 Working Groups**

1. Room Delta, Delta 0B, Delta Building

**Chemistry in solution: structure and reactivity**

**Supramolecular chemistry & Homogeneous catalysis**

- Prof. Christoph Schalley

2. Meeting Room Zeta Building

**Nanostructured materials, Nanochemistry & Nanomaterials: nanoparticles and nanotubes**

- Prof. Bruno Chaudret

3. Room Delta 2B, Delta Building

**Chemistry of cells**

**Biological chemistry & Pharmacology: pharmacogenomics, drugs discovery and design, drug therapy**

- Prof. Gianluca Sbardella;

4. Acquario 4/1 Alfa Building

**Heterogeneous catalysis and modelling. Theoretical and computational chemistry & Heterogeneous catalysis**

- Prof. Ilenia Rossetti

5. Room Acquario 5/1 Alfa Building

**Analytical Chemistry and heritage conservation Analytical chemistry & Cultural heritage and cultural memory**

- Prof. Alexander Kuhn

13:00 Lunch

Alfa Building Hall

**Christoph Schalley**

After his habilitation at the Kekulé institute of organic chemistry and biochemistry of the University of Bonn, he was appointed as professor of organic chemistry at Free University Berlin in 2005. Meanwhile, the Schalley group's research topics have diversified and comprise supramolecular chemistry in the gas phase as well as in solution and at interfaces. Christoph Schalley has been awarded the Herzog-Mattauch prize of the German Mass Spectrometry Society in 2008 and has been selected Fellow of the Royal Society of Chemistry in 2016.



**Bruno Chaudret**

Bruno Chaudret is a specialist of organometallic and "nano" chemistry. He developed in the early 80s the synthesis of hydride and dihydrogen complexes and investigated by NMR their exchange processes which follow classical or quantum-mechanical pathways. In the early 90s, Bruno Chaudret developed an organometallic method for the synthesis of metal or metal oxide nanoparticles. These new nano-objects display interesting properties in various domains such as catalysis, magnetism, optics, micro- and nanoelectronics and have led to several applications in micro-electronics including the industrial production of gas sensors.



**Gianluca Sbardella**

Is Full Professor at the University of Salerno. The expertise of Prof. Sbardella regards most aspects of epigenetic drug discovery, spanning synthetic strategies, medicinal chemistry, chemical biology, biophysical techniques. He is the Head of the Epigenetic Med Chem Lab (EMCL), a multi-disciplinary research team whose mission is the study of protein targets responsible (directly or indirectly) of epigenetic modifications (or of proteins regulated by epigenetic processes).



**Ilenia Rossetti** is Associate Professor of Chemical Industrial Plants at the Dept. of Chemistry of the University of Milano. She has been responsible of research contracts on behalf of important industries, such as ENI, Itecond, Garo, ACS Dobfar, Larioreti, BASF, Clariant, SAES GETTERS, Pirelli Labs, Petrochem and Itacom. Her research interests are mainly focused on the design of chemical plants, reactors and heterogeneous catalytic and photocatalytic processes. The results of her activity have been summarised in 21 chapters in books or invited reviews, 120 papers on international journals with high impact factor. She is co-author of the book "Fenomeni di trasporto", printed in 2009 Ed. Cortina



**Alexander Kuhn** Alexander Kuhn is Full Professor at the Ecole Nationale Supérieure de Chimie, de Biologie et de Physique, University Bordeaux, France. He has been awarded an ERC Advanced Grant (2017-2022) for the project "ELECTRA". He is member of the editorial advisory board of different journals: Bioelectrochemistry (2007-), Electroanalysis (2012-), ChemPhysChem (2015-), Sci.Rep. (2015-), ChemElectroChem (2018-). Main research interest: modified electrodes with a special focus on applications in electroanalysis, bioelectrochemistry and electrocatalysis; nanomaterials; micro- and nanomotors; Janus particles; bipolar electrochemistry, chirality.

