

## International Conference – labex Arcane 17 & 18 July 2018 – IM2AG

Tuesday 17th July – Institut Fourier - 100 Rue des Mathématiques, campus Saint Martin d'Hères		
08h15 – 08h45	Reception	
<b>Chairwoman:</b> Aurélie Bouchet-Spinelli		
08h45 – 09h00	<i>Welcoming speech from Vice President Research of Université Grenoble Alpes</i>	Eric Saint-Aman
09h00 – 09h40	<i>Towards microscopic sensing - photoluminescence modulated by molecular interactions in bulk and microscopic systems</i>	Lars-Olof Palsson, Durham, UK
09h40 – 10h00	<i>Carbohydrate-based block copolymer self-assemblies: Nanoparticles and sub_10nm highly nanostructured thin films</i>	Redouane Borsali , CERMAV
10h00 – 10h20	<i>Bio-inspired Optoelectronic Tongues and Noses for Imaging Smell and Taste</i>	Yanxia Hou-Broutin, SYMMES
10h20 – 10h40	Break	
<b>Chairman:</b> Yung-Sing Wong		
10h40 – 11h20	<i>Peptoid Polymers: Synthesis, Self-Assembly and Biotechnological Applications</i>	Donghui Zhang, Baton Rouge, USA
11h20 – 11h40	<i>Design of RGD peptide conjugates for imaging and therapeutic applications</i>	Didier Boturyn, DCM
11h40 – 12h00	<i>Single crystals of V-amylose complexed with ibuprofen: crystal structure and release properties</i>	Cong Le, CERMAV
12h00 – 13h30	Lunch	
<b>Chairman:</b> Jérôme Chauvin		
13h30 – 14h10	<i>Photocatalytic reactions using transition-metal complexes as catalysts</i>	Takahiko Kojima, Tsukuba, Japan
14h10 – 14h30	<i>Cu(III) vs. Cu(II)-radicals for biomimetic alcohol oxidations</i>	Fabrice Thomas, DCM
14h30 – 14h50	<i>Aziridination of alkenes by non-hemic iron complexes. A mechanistic study</i>	Guillaume Coin, LCBM
14h50 - 15h30	<i>Inclusion of enzyme-inspired auxiliary proton channel in the outer coordination sphere to improve H<sub>2</sub> production catalytic activity for Cobalt di-methylglyoxime complexes</i>	Arnab Dutta, Gandhinagar, India
15h30 – 15h50	<i>The Dimethyldihydropyrene Photochromic unit: a small molecule with great potential!</i>	Guy Royal, DCM
15h50 – 16h10	<i>Modelling metal binding sites of proteins involved in Cu homeostasis: a bioinspired approach</i>	Pascale Delangle, SYMMES
16h10 – 16h30	Break	
<b>Chairwoman:</b> Pascale Chenevier		
16h30 – 17h10	<i>Chiral Discrimination of Bulk and Interface Samples by Heterodyne-Detected Vibrational SFG spectroscopy</i>	Taka-aki Ishibashi, Tsukuba, Japan
17h10 – 17h30	<i>Exploring reactivity through DFT modelling in high-valent Fe catalysts for nitrene transfers</i>	Pascale Maldivi, SYMMES
17h30 – 17h50	<i>Structural fingerprinting of self-assembled protein aggregates at natural isotopic abundance by DNP-enhanced solid-state NMR</i>	Adam Smith, MEM

**International Conference – labex Arcane  
17 & 18 July 2018 – IM2AG**

<b>Wednesday 18th July – IM2AG - 60 Rue de la Chimie, campus Saint Martin d'Hères</b>		
<b>Chairman: Yohann Moreau</b>		
09h00 – 09h40	<i>Oxygen Tolerant Hydrogen Evolution and CO<sub>2</sub> Reduction</i>	Abhishek Dey, Kolkata, India
09h40 – 10h00	<i>Challenging the [Ru(bpy)<sub>3</sub>]<sup>2+</sup> Photosensitizer with Organic Dyes or Cadmium-Free Quantum Dots for Visible-Light-Driven Hydrogen Production in Water</i>	Marie-Noëlle Collomb, DCM
10h00 – 10h20	<i>O<sub>2</sub> Activation and Reduction by Dinuclear Thiolate-based Mn(II) and Fe(II) Complexes</i>	Carole Duboc, DCM
10h20 – 10h40	Break	
<b>Chairman: Thomas Lavergne</b>		
10h40 – 11h20	<i>Exploring [FeFe] hydrogenase using synthetic chemistry</i>	Gustav Berggren, Uppsala, Sweden
11h20 – 11h40	<i>New developments in artificial metalloenzymes: from homogeneous to heterogeneous biocatalysts</i>	Caroline Marchi-Delapierre, LCBM
11h40 – 12h00	<i>Photo-Cytotoxicity of New Ruthenium Complexes Targeting G-Quadruplex Telomeric DNA in Telomerase-Free Cells</i>	Justin Weynand, DCM
12h00 – 12h10	<i>Flash communication</i>	
12h10 – 13h30	Lunch	
<b>Chairwoman: Jennifer Molloy</b>		
13h30 – 14h10	<i>Selective C–F Bond Activation of the CF<sub>3</sub> Group Using Metal Promotors</i>	Junji Ichikawa, Tsukuba, Japan
14h10 – 14h30	<i>Innovative surfactants as stabilizers of membrane proteins for structural studies in solution</i>	Ahcène Boumendjel, DPM
14h30 – 14h50	<i>Act On Bact: from bench top to early pre-clinical stages</i>	Frédéric Minassian, DCM
14h50 - 15h30	<i>Solar-driven Fuel Production from Water, CO<sub>2</sub> and Waste</i>	Moritz Kuehnel, Swansea, UK
15h30 – 15h50	<i>Iridium-based donor-acceptor assemblies for photo-electrocatalytic hydrogen production</i>	Matthieu Koepf, LCBM
15h50 – 16h10	<i>Oxygen Reduction Reaction by multicopper oxidases and synthetic models for non-precious-metal H<sub>2</sub>/air fuel cells</i>	Alan Le Goff, DCM
16h10 – 16h30	Break – End of the conference	