

Plenary Lectures, Keynote Lectures and Oral Communications

Monday, July 2nd	
13:00-19:00	Registration (AXA Auditorium)
20:00-23:00	Welcome Cocktail (MNAC Terrace)
Tuesday, July 3rd	
08:30-09:00	Opening Ceremony
Session 1 – Chaired by Prof. Eugenio Coronado	
09:00-09:50	PL1. Prof. Nazario Martín (Universidad Complutense de Madrid, Spain). <i>“Electroactive Concave Receptors for Carbon Nanostructures”</i>
09:50-10:20	KN1. Prof. Wolfgangenzel (Karlsruhe Institute of Technology, Germany). <i>“Multiscale modelling of nanoscale materials and electronic transport”</i>
10:20-10:40	OC1. Prof. Anton Kiriy (Leibniz IPF Dresden, Germany). <i>“Controlled preparation of semiconducting macromolecules”</i>
10:40-11:00	OC2. Dr. Xiangnan Sun (CIC nanoGUNE, Spain). <i>“Morphology Control of Pentacene by Blended Polymer Dielectrics for High Mobility”</i>
11:00-11:30	Coffee Break
Session 2 – Chaired by Prof. Nazario Martín	
11:30-12:00	KN2. Prof. Eugenio Coronado (ICMol, Universidad de Valencia, Spain). EurJIC Lecture: <i>“Chemistry in Molecular Spintronics”</i>
12:00-12:20	OC3. Dr. Vincent Davesne (IPCMS/U. Strasbourg-CNRS, France). <i>“Robust Spin Crossover and Memristance across a Single Molecule”</i>
12:20-12:40	OC4. Dr. Olivier Siri (Aix-Marseille University, France). <i>“The Key Role of the Nitrogen in Smart Molecular Materials”</i>
12:40-13:00	OC5. Dr. Fabrice Pointillard (Université Rennes-CNRS, France). <i>“Single Molecule Magnet Behaviour and Luminescence in Lanthanide complexes based on redox active ligands derived from Tetrathiafulvalene”</i>
13:00-13:20	OC6. Prof. Santiago Alvarez (Universitat de Barcelona, Spain). <i>“Stereochemical Analysis of Coordination Spheres with SHAPE 2.0”</i>
13:20-15:30	Lunch
Session 3 – Chaired by Dr. Arnald Grabulosa	
15:30-16:20	PL2. Prof. Makoto Fujita (The University of Tokyo, Japan). <i>“Structure and Function of Self-assembled Molecular Spheres”</i>
16:20-16:50	KN3. Dr. Kim E. Jelfs (University of Liverpool, UK). <i>“Engineering highly porous shape persistent molecular cages through molecular simulations”</i>
16:50-17:10	OC7. Prof. Aurelio Mateo-Alonso (Freiburg Institute for Advanced Studies, Germany). <i>“Molecular Machines and Electronic Materials based on Fullerenes and Pyrene-fused Azaacenes”</i>
17:10-17:30	OC8. Dr. Vincent P. Conticello (Emory University, USA). <i>“Peptide Nanotubes from Lock-Washer Stacking of Coiled-Coil Assemblies”</i>
17:30-18:00	Coffee Break
Session 4 – Chaired by Prof. Makoto Fujita	
18:00-18:30	KN4. Prof. Mir Wais Hosseini (Université de Strasbourg-CNRS, France). <i>“Molecular tectonics: from molecules to complex systems”</i>



18:30-18:50	OC9. <u>Dr. Emilie Delahaye</u> (Université Paris Sud, France). <i>"Influence of the synthesis parameters on the properties of nanocomposites based on mesoporous silica and Prussian Blue Analogues"</i>
18:50-19:10	OC10. <u>Prof. Etelvina de Matos Gomes</u> (Universidade do Minho, Portugal). <i>"Enhanced Polar Properties of Electrospun Nanofibers of Organic Molecular Crystals"</i>
19:10-19:30	OC11. <u>Dr. Sanjeeb K. Sahoo</u> (Institute of Life Sciences, India). <i>"Nanotheranostic approach by magnetic nanoparticles labeled stem cells for cancer therapy"</i>
19:30-21:30	POSTER SESSION 1

Wednesday, July 4th

Session 5 – Chaired by Prof. Mir Wais Hosseini

09:00-09:50	PL3. <u>Prof. Stefan Matile</u> (University of Geneva, Switzerland). <i>"Synthetic supramolecules (th)at work"</i>
09:50-10:20	KN5. <u>Prof. Michael Holzinger</u> (CNRS-University of Grenoble, France). <i>"Enzymes wiring on carbon nanotubes"</i>
10:20-10:40	OC12. <u>Dr. Yannick Guari</u> (Université Montpellier II, France). <i>"Cyano-Bridged Coordination Polymer Nanoparticles: Synthesis, Characterization and Applications"</i>
10:40-11:00	OC13. <u>Dr. Nicholas P. Chatterton</u> (London Metropolitan University, UK). <i>"Electrospun nanofibers: facile to prepare but effective potential anti-cancer agents"</i>
11:00-11:30	Coffee Break

Session 6 – Chaired by Prof. Santiago Alvarez

11:30-12:00	KN6. <u>Dr. Nora Ventosa</u> (ICMAB-CSIC, Spain). <i>"Precise preparation of micro- and nanostructured particulate materials using compressed fluids: a promising technological platform for large scale production of nanomedicines"</i>
12:00-12:20	OC14. <u>Dr. Vesselin N. Paunov</u> (University of Hull, UK). <i>"Fabrication of Artificial Living Multicellular Organisms by Polyelectrolyte Mediated Assembly and Magnetically Responsive Templates"</i>
12:20-12:40	OC15. <u>Dr. Imma Ratera</u> (ICMAB-CSIC, Spain). <i>"2D Microscale Engineering of Novel Protein based Nanoparticles for Cell Guidance"</i>
12:40-13:00	OC16. <u>Mr. Ch. Gupta Chandaluri</u> (University of Hyderabad, India). <i>"Highly Fluorescent Molecular Crystals and Nanocrystals: Novel Materials, Fabrication Techniques and Application"</i>
13:00-13:20	OC17. <u>Prof. Sergey M. Aldoshin</u> (IPCP, Russian Academy of Sciences, Russia). <i>"Unusual photomagnetic materials based on the salts of photochromic spiropyrans"</i>
13:20-15:30	Lunch

Session 7 – Chaired by Prof. Hubert Le Bozec

15:30-16:20	PL4. <u>Prof. Niek F. van Hulst</u> (ICFO, ICREA, Spain) <i>"Light Control of Molecular Materials: by Optical Antennas and Shaped Pulses"</i>
16:20-16:50	KN7. <u>Prof. Seon Keun Kim</u> (Seoul National University, Korea). <i>"New Fluorescent Materials for Biological Imaging Applications"</i>
16:50-17:10	OC18. <u>Dr. Sandrine Perruchas</u> (Laboratoire PMC, Ecole Polytechnique, France). <i>"Luminescent materials based on molecular copper iodide clusters"</i>
17:10-17:30	OC19. <u>Prof. Roland Faller</u> (UC Davis, USA). <i>"Systematic Multiscale Modeling of Polymer/Fullerene Bulk Heterojunctions for Photovoltaic Applications"</i>
17:30-18:00	Coffee Break



Session 8 – Chaired by Prof. Niek van Hulst	
18:00–18:30	KN8. Prof. Hubert Le Bozec (Université de Rennes 1, France). "Photochromic metal complexes : photoregulation of the Nonlinear Optical and Luminescent Properties"
18:30–18:50	OC20. Prof. Zhonghua Peng (University of Missouri-Kansas City, USA). "Conjugated Dendrimers, Foldamers, and Organic-Inorganic Hybrids as Molecular Electronic Materials"
18:50–19:10	OC21. Prof. King-Fu Lin (National Taiwan University, Taiwan). "Crosslinkable Ruthenium Dyes Designed for Dye-Sensitized Solar Cells"
19:10–19:30	OC22. Dr. Lucie Norel (Université de Rennes 1, France). "Switchable Ruthenium Organometallics for Luminescence and SMM"
19:30–21:30	POSTER SESSION 2

Thursday, July 5th

Session 9 – Chaired by Prof. Albert Escuer	
09:00–09:50	PL5. Prof. Richard E. P. Winpenny (University of Manchester, UK). "Studies of Heterometallic Rings for Quantum Information Processing and Fun"
09:50–10:20	KN9. Prof. P. Kögerler (RWTH Aachen University, Germany). "Molecular Magnets on Surfaces: Effects and Oddities"
10:20–10:40	OC23. Prof. Keith S. Murray (Monash University, Australia). "Rare Earth Single Molecule Magnets (SMMs) and Single Ion Magnets (SIMs)"
10:40–11:00	OC24. Dr. Carmen J. Calzado (Universidad de Sevilla, Spain). "Evaluation of magnetic and electronic terms in polynuclear transition metal systems from extended CI calculations"
11:00–11:30	Coffee Break
Session 10 – Chaired by Dr. Olivier Roubeau	
11:30–12:00	KN10. Prof. Philippe Guionneau (Université de Bordeaux, ICMCB, France). "Phase transition movies through multi-structure determination. Examples of Spin-Crossover molecular materials"
12:00–12:20	OC25. Prof. Malcolm A. Halcrow (University of Leeds, UK). "Manipulating the Spin States and Ground States of Dopants in a Switchable Spin-Crossover Lattice"
12:20–12:40	OC26. Dr. Colette Boskovic (University of Melbourne, Australia). "Lanthanoid-Polyoxometalate Complexes as Functional Molecules"
12:40–13:00	OC27. Dr. Floriana Tuna (University of Manchester, UK). "Towards Hydrogen-Storage with Organometallic Dysprosium-based Single-Molecule Magnets"
13:00–13:20	OC28. Dr. Rodrigue Lescouëzec (Université Paris 6, IPCM, France). "On & Off Photoswitch of Magnetic Molecular Squares"
13:20–13:40	OC29. Prof. Jianwen Jiang (National University of Singapore, Singapore). "From Molecules, Mechanisms to Materials: Simulation Studies in Metal-Organic Frameworks"
13:40–15:30	Lunch
15:30–20:00	Visit to Montserrat and Cavas Codorniu



Friday, July 6 th	
Session 11 – Chaired by Dr. Daniel Ruiz	
09:00-09:50	PL6. Prof. <u>Rasmita Raval</u> (University of Liverpool, UK). "Molecular Architectures at Surfaces: Emergence of Complexity in Function and Structure"
09:50-10:20	KN11. Prof. <u>Jurriaan Huskens</u> (University of Twente, The Netherlands). "Reactive Monolayers: Templates for Biomolecules and Interfaces for Technology"
10:20-10:40	OC30. Dr. <u>Josep Puigmarti-Luis</u> (ICMAB-CSIC, Spain). "Microfluidic Platforms; a Versatile Synthetic Route to Molecular Materials"
10:40-11:00	OC31. Prof. <u>Mauro Sambì</u> (University of Padova, Italy). "Controlling the Catalytic Activity of Ag-supported Iron Phthalocyanine Toward Oxygen Reduction"
11:00-11:30	Coffee Break
Session 12 – Chaired by Prof. Rasmita Raval	
11:30-12:00	KN12. Dr. <u>Marta Mas-Torret</u> (ICMAB-CSIC, Spain). "Surface Molecular Platforms for Memory Devices"
12:00-12:20	OC32. Dr. <u>Giordano Poneti</u> (University of Florence, Italy). "Thermal and light induced bistability in a monolayer of a Co-dioxolene complex"
12:20-12:40	OC33. Prof. <u>Kenji Mizoguchi</u> (Tokyo Metropolitan University, Japan). "The surface electronic states of α -(BEDT-TTF) ₂ I ₃ at RT observed by STM"
12:40-13:00	OC34. Dr. <u>Tom Lancaster</u> (Durham University, UK). "The ground states of molecule-based magnets revealed with muon spectroscopy"
13:00-13:20	OC35. Dr. <u>Manuel Lopes</u> (LCC-CNRS, Toulouse, France). "Spin crossover at the nanometer scale"
13:20-15:30	Lunch
Session 13 – Chaired by Dr. Carolina Sañudo	
15:30-16:20	PL7. Prof. <u>Jeffrey R. Long</u> (UC Berkeley, USA). "Carbon Dioxide Capture in Metal-Organic Frameworks"
16:20-16:50	KN13. Prof. <u>Christian Serre</u> (CNRS-Université de Versailles, France). "High Valence Metal Organic Frameworks"
16:50-17:10	OC36. Prof. <u>Yutaka Moritomo</u> (University of Tsukuba, Japan). "Ultrafast Discharge in Nanoporous Cathode Material for Li Ion Battery"
17:10-17:30	OC37. Mr. <u>Jesús Ferrando-Soria</u> (ICMol, Universidad de Valencia, Spain). "Highly Selective dual molecular sensing in a luminescent nanoporous magnet"
17:30-18:00	Coffee Break
Session 14 – Chaired by Prof. Jeffrey Long	
18:00-18:30	KN14. Dr. <u>Tom Hasell</u> (University of Liverpool, UK). "Crystal Engineering with Porous Organic Cages"
18:30-18:50	OC38. Dr. <u>Nans Roques</u> (LCC-CNRS, Toulouse, France). "Highly Porous Supramolecular Materials Based On Charge-Assisted H-Bonds"
18:50-19:10	OC39. Dr. <u>Fernando Novio</u> (CIN2-CSIC, Barcelona, Spain). "Tuning Valence Tautomerism on Metal-organic Polymeric Nanostructures: A Crystalline or Morphological matter?"
19:10-19:30	OC40. Dr. <u>Thomas Devic</u> (Institut Lavoisier CNRS, France). "Exploiting the redox activity and/or the charge-transport properties of (porous) coordination polymers"
19:30-19:50	CLOSING CEREMONY
21:30-.....	CONFERENCE DINNER

