



**October 14-15<sup>th</sup>,**  
**Santiago de Compostela**

## THURSDAY AFTERNOON

- 16:00 – 16:15 h Opening: *José Luis Mascareñas and Dolores Pérez*
- 16:15 – 16:30 h Metal catalysis in biological media  
*José Luis Mascareñas and María Tomás*
- 16:30 – 16:40 h IC-Tagging: a multipurpose platform  
*Jose Martínez-Costas*
- 16:40 – 16:55 h Bionanotools  
*Beatriz Pelaz*
- 16:55 – 17:10 h New sustainable routes to PAH's  
*Carlos Saá and Jesus A. Varela*
- 17:10 – 17:30 h Break
- 17:30 – 17:45 h Thermal transport as a tool in the study of condensed matter  
*Francisco Rivadulla*
- Spin currents as a tool for thermoelectric conversion and magnetic characterization  
*Rafael E. Ramos*
- 17:45 – 17:55 h Estudio de mecanismos de reacción utilizando Química Computacional  
*Antonio Fernández-Ramos*
- 17:55 – 18:05 h Knockin' On cell's door: looking at the lipid membrane with computational tools  
*Rebeca García-Fandiño*
- 18:05 – 18:15 h Conclusions



Location: CiQUS Seminar Room

Date: October 14th - 15th, 2021

Organized by **CiQUS**

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## FRIDAY MORNING

- 10:00 – 10:10 h Supramolecular chemistry with cyclic peptides  
*Juan R. Granja*
- 10:10 – 10:20 h Peptides for nucleic acid and protein transport  
*Javier Montenegro*
- 10:20 – 10:30 h Facing the Superbug Challenge with Innovative Approaches. *Concepción González-Bello*
- 10:30 – 10:40 h Amphiphilic compounds as new tools for gelling, ice recrystallization inhibition and plant resistance to extreme environmental conditions  
*Juan Carlos Estévez*
- 10:40 – 10:50 h Stimuli responsive materials. *Félix Freire*
- 10:50 – 11:10 h Break
- 11:10 – 11:20 h Turning simple hydrocarbons into multifunctional building blocks . *Martín Fañanás*
- 11:20 – 11:30 h Enantioselective transformations based on transition metal catalysts: Synthetic applications and mechanistic studies. *Fernando López*
- 11:30 – 11:40 h Transition-metal-catalyzed C-H functionalizations: synthesis of carbo- and heterocycles. *Moisés Gullías*
- 11:40 – 11:48 h Computational simulation of reaction mechanisms: From molecules to materials. *Manuel A. Ortuño*
- 11:48 – 12:15 h Conclusions

## FRIDAY AFTERNOON

- 16:00 – 16:10 h. Conductive and catalytic peptides. *M. Eugenio Vázquez*
- 16:10 – 16:20 h Bioactive artificial metallopeptides. *Miguel Vázquez*
- 16:20 – 16:30 h Dendrimers: size, architecture and macromolecular selectivity. *Eduardo Fernández-Megía*
- 16:30 – 16:38 h Synthetic valorisation of organic feedstocks and greenhouse gases promoted by visible light  
*Manuel Nappi*
- 16:38 – 17:00 h Break
- 17:00 – 17:10 h Synthetic methodology based on aryne chemistry: application to the synthesis of non-conventional polycyclic conjugated systems. *Dolores Pérez*
- 17:10 – 17:20 h Bottom-up approaches to well-defined nanosized graphenes. *Diego Peña*
- 17:20 – 17:30 h Interdisciplinary approach to polymer science (2020-2022). *Massimo Lazzari*
- 17:30 – 17:40 h Functional Hybrid Nanostructures for Magnetic and Energy-related Applications. *María Giménez-López*
- Conclusions and brainstorming
- Workshop dinner and Closure