



From Bioinorganic Chemistry to Catalysis

Workshop

June 6th 2017
Donostia - San Sebastián

Faculty of Chemistry
UPV/EHU

Speakers

A. M. Pizarro (IMDEA Nanoscience)
A. Terenzi (University of Vienna)
M. Grzelczak (CIC biomaGUNE-Ikerbasque)
X. Lopez (UPV/EHU-DIPC)
J. M. Matxain (UPV/EHU-DIPC)
A. Correa (UPV/EHU)
M. Torrent-Sucarrat (UPV/EHU-DIPC-Ikerbasque)
H. Sardon (UPV/EHU-POLYMAT-Ikerbasque)
F. López-Gallego (CIC biomaGUNE-Ikerbasque)
Z. Freixa (UPV/EHU-Ikerbasque)
M. Huertos (UPV/EHU-Ikerbasque)
L. Salassa (DIPC-Ikerbasque)



Organizers: Z. Freixa, M. Huertos, J. M. Matxain, L. Salassa, E. San Sebastián

Program

Bioinorganic chemistry		
9.30–10:00	Ana M. Pizarro	Reversible activation dynamics of ruthenium(II) and iridium(III) metallodrugs
10:00–10:30	Alessio Terenzi	G-quadruplex DNA: target and tool for anticancer drugs
10:30–11:00	Marek Grzelczak	Plasmon-based colorimetric biosensors for discrimination of single-nucleotide polymorphism
Coffee Break		
11:30–12:00	Xabi Lopez	How computational studies can help elucidating the bioinorganic chemistry of aluminium
12:00–12:30	Luca Salassa	Bioorthogonal photocatalytic activation of metal-based prodrugs
12:30–13:00	Fernando López-Gallego	Biomining of enzymes with metal phosphates; novel materials as heterogeneous biocatalysts
Lunch		
Catalysis		
14:30–15:00	Arkaitz Correa	Merging Heterocyclic Chemistry & C-H functionalization
15:00–15:30	Haritz Sardon	New organocatalyst family for the stereo control polymerization of rac-lactide
15:30–16:00	Zoraida Freixa	Photoswitchable organometallics: The example of photocontrolled hydrogen generation
Coffee Break		
16:30–17:00	Miquel Torrent-Sucarrat	Theoretical study of photoredox catalysis
17:00–17:30	Miguel Huertos	Tandem Isomerization-Hydrosilylation for Converting Internal Alkenes to Linear Silanes
17:30–18:00	Jon M. Matxain	Magnetic endohedral TM@Zn₁₂S₁₂ nanoclusters: A predictive work