

SYMPOSIUM

**B&B**  

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**2021**

**BCM**

**UBx**

22 / 06 / 2021

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**BCMmaterials +  
University of Bordeaux**

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**BILATERAL COOPERATION  
IN ADVANCED MATERIALS  
AND APPLICATIONS**



BCMaterials, Basque Center for Materials, Applications and Nanostructures, is an autonomous research center launched in June 2012 by Ikerbasque, the Basque Foundation for Science and the University of the Basque Country (UPV/EHU) as a research center for Materials, Applications and Nanostructures. The center is included in the BERC's (Basque Excellence Research Centers) network and its mission is to generate knowledge on the new generation of materials, turning this knowledge into (multi)functional solutions and devices for the benefit of society.



The University of Bordeaux was founded in 1441 in France. One of its aims is to become a worldwide reference in materials science, engineering and technology and for such purpose, they have developed a campus of excellence with international influence focused on high-level scientific pillars (i.e., materials of the future, environment, digital technologies, neuroscience and medical imaging, etc.). The University of Bordeaux is ranked n°24 in Reuters Europe's Top 100 Innovative Universities (2019) and 201-300 within the Shanghai General Ranking (2020).

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## PARTICIPATING ENTITIES

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### ICMCB

Institut de Chimie de la  
Matière Condensée de  
Bordeaux

### ISM

Institut des Sciences  
Moléculaires

### CRPP

Centre de Recherche  
Paul Pascal

### ELORPrintTec

Printed Organic  
Electronics Platform



## PROGRAM

**9:00-9:30 Prof. S. Lanceros-Mendez**  
**Mr. L. Servant** *Vice-president for International Networks UBx*  
Introduction – Presentation of participating institutions.

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**9:30-9:55 Dr. R. Fernández de Luis**  
Mimicking the enzymes to trap metal ions:  
Encoding the pore space of the Metal-Organic Frameworks with aminoacids.

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**9:55-10:20 Dr. L. Croguennec**  
A research on materials to meet the increasingly diverse challenges of the electrochemical energy storage.

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**10:20-10:45 Prof. F. J. del Campo**  
Laser-induced pyrolytic graphite electrodes for electrochemical sensing and biosensing.

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**10:45-11:10 Coffee break**

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**11:10-11:35 Prof. N. Sojic**  
Multiscale electrochemiluminescence: from bright molecular luminophores to immunoassays and cell microscopy.

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**11:35-12:00 Dr. I. Oyarzabal Epelde**  
High-performance magnetic materials by metal-organic framework engineering.

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**12:00-14:00 Lunch break**

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**14:00-14:25 Dr. S. Kazim**  
Emergent semiconducting materials for optoelectronics applications.

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**14:25-14:50 Prof. G. Hadziioannou**  
Printed ferrotronics, from materials to devices.

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**14:50-15:00 Break**

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**15:00-16:00 Poster session \***

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**16:00-16:15 Closure – Poster prize**



\* The two best poster presentations will receive prizes awarded by BCMaterials!



## ORGANIZERS



**Dr. Itziar Oyarzabal Epelde**  
Ikerbasque Research Fellow  
at BCMaterials

**Prof. F. Javier del Campo**  
Ikerbasque Research  
Professor at BCMaterials



**Prof. Senentxu Lanceros-Méndez**  
Ikerbasque Research Professor and  
Scientific Director of BCMaterials

## KEY RESEARCH AREAS



Materials for energy and  
environment.



Materials for biomedicine and  
biotechnology.



Materials for digitalization and  
advanced technologies.



## INVITED SPEAKERS



**Dr. Roberto Fernández de Luis**  
BCMaterials



**Dr. Laurence Croguennec**  
Energy: Materials and  
Batteries group at ICMCB



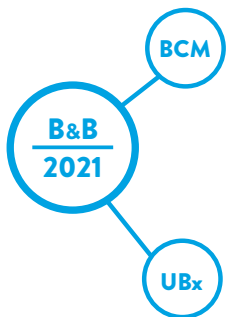
**Prof. Neso Sojic**  
Analytical NanoSystems  
group at ISM



**Dr. Samrana Kazim**  
BCMaterials



**Prof. Georges Hadziioannou**  
ELORPrintTec platform



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