

PROGRAM

Electrical and optical active molecular materials for bio-applications

Bellaterra, 6- 7 October 2022

Day 1

6 October
Thursday

9:10

Introduction

9:20

KN1: Arántzazu del Campo

Hydrogels that talk to cells when lighted



10:10

I1: Albert Cortijos

Optomechanical tools for biomolecular contacts



10:40

Oral 1: Ramón Santiago Herrera Restrepo

Controlled location, size, and structure of blood clots



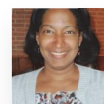
11:00

Coffee Break

11:30

Oral 2: Adaris M. López Marzo

Electrochemical analysis in the biomarkers detection for clinical diagnosis of diseases: Addressing requirements toward point-of-care devices



11:50

Flash 1

Sara Ruiz Molina, Raquel Gimeno Muñoz, Jorik Waeterschoot, María Jesús Ortiz Aguayo, Giulia Pancotti

13:00

Lunch

15:00

KN2: Róisín M. Owens



15:50

I2: Marianna Rossetti

DNA-based sensors: From design to bioanalytical applications



16:20

Oral 3: Rossella Zaffino

Graphene nanogap electrodes: a promising platform for biomedical applications



16:40

Oral 4: Mariana Köber

Fluorescent quatsomes for therapy and diagnostics



17:00

End Day 1

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Day 2

7 October
Friday

9:10

KN3: Francesca Santoro

Designing electronics brain-inspired electronics



10:00

I4: José Antonio Garrido

Graphene neurotechnology for neuroscience and medical applications



10:30

Oral 5: Carme Martinez

Organic and Flexible X-ray detectors for medical dosimetry and diagnostic applications



10:50

Coffee Break

11:30

I5: Gabriel Gomila

Nanoscale imaging of the conductivity of organic semiconductors at work in electrolyte solutions



12:00

Oral 6: Nerea González Pato

Ratiometric nanothermometer based on organic radical molecules self-assembled into NIR-emitting nanoparticles



12:20

Flash 2

Ylli Conti, Jewel Ann Maria Xavier, Jamila Djafari, Ángel Campos Lendinez

13:00

End Day 2