

SUSNANO SPRING SCHOOL PROGRAM

Electrochemical Nanobiosensors for Environmental Diagnostics

15th April 2024

9:30 - 09:50: Registration and Welcome

09:50 - 10:00: Opening Remarks

- Brief introduction to the summer school and the SUSNANO project Prof. Arben Merkoçi
- Overview of the agenda and objectives Dr. Ruslán Alvarez

10:00 - 10:40: Plenary Prof. Michal Otyepka “*Graphene derivatives and their applications*”
Palacký University Olomouc, CATRIN | RCPTM | Czech Republic

10:40 - 11:10: Keynote Dr. César Fernández “*Scalable manufacturing of electrochemical sensors based on tailor-made metal nanoparticle carbon materials applied to the detection of water pollutants*” IMB-CNM | CSIC | Spain.

11:10 - 11:30: Coffee Break and networking

11:30-11:50: Dr. Marianna Rossetti “*DNA-based Nanosensors for Environmental Applications*”
ICN2 | Spain

11:50-12:10: Dr. Petr Jakubec “*Antibiotic Sensing in the 21st Century: Innovations and Future Directions*”, Palacký University Olomouc, CATRIN | RCPTM | Czech Republic

12:10-12:30: Dr. Andrew Piper “*Nanoelectrodes for sensing applications*” ICN2 | Spain

12:30-12:50: Dr. Giulio Rosati “*Inkjet-printing of nanobiosensors with consumer printers*” ICN2 | Spain

12:50 - 14:30: Lunch Break

Live interactive Workshop showcasing nanosensor technologies and applications.

14:30 – 14:50: Gabriel Maroli “*Development of PocketABLE Devices*” ICN2 | Spain

14:50 – 15:10: Andy Bruno and Ana Ameda “*An integrated microfluidic device for heavy metal sensing*”, ICN2 | Spain and University of Tirana | Albania

15:10 – 15:30: Massimo Urban: “*Inkjet-printing of nanobiosensors with consumer printers*”
ICN2 | Spain

15:30 - 15:40: Closing of the 1st Day/Networking

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16th April 2024

09:20 - 10:00 ICN2 guided tour

10:00 - 10:40 Plenary Dr. Vincent Bouchiat *"Biosensors based on Monolayer Graphene Field Effect transistors"* Grapheal CEO & Cofounder | Grenoble | France.

10:40 - 11:10 Keynote Prof. Cecilia Jimenez *"Intelligent multi-sensor systems enabling real time water quality assessment and early prediction of pollutants"* IMB-CNM | CSIC | Spain.

11:10 - 11:30: Coffee Break and Networking

11:30 - 12:00 Keynote Prof. Isabel Pividori *"Portable biosensing device for environmental and industrial microbiology"* UAB | Spain.

12:00 - 12:20 Keynote Dr. Lukas Spichal *"Electrochemical biosensors as an emerging data collection tool for plant phenotyping and agriculture"* CATRIN | RCPTM | Czech Republic

12:20 - 13:00: Panel Discussion.

Panel discussion or Q&A session with experts in the field. A moderated panel discussion featuring experts discussing key issues, trends, and challenges in the field of sustainable nanosensors. Prof. Cecilia Jimenez, Prof. Isabel Pividori, Dr. Vincent Bouchiat, Dr. César Fernández, Dr. Lukas Spichal, Prof. Michal Otyepka, Prof. Arben Merkoçi. Moderator: Massimo Urban.

13:00 - 13:15 Closing Remarks and Feedback Session

- Summary of key takeaways
- Feedback collection for future events and improvements

13:15 - 14:00: Farewell Coffee, snacks, and Networking

END