



TOR VERGATA
UNIVERSITÀ DEGLI STUDI DI ROMA



**Dipartimento di
Scienze e Tecnologie
Chimiche**



1st Workshop X-CHEM
**eXpanding CHEMistry: implementing excellence in
research and teaching**

September 9-10, 2024, Villa Mondragone

*Monte Porzio Catone, September 9-10, 2024
Via Frascati, 51, 00040 Monte Porzio Catone RM*

X-CHEM is the project awarded to the Department of Chemical Science and Technologies recognizing it as a Department of Excellence

With research focused on energy transition, health, and environment, the project aims to foster the creation of new synergies through the interaction and collaboration among different research groups and subject areas and it is pursued through targeted recruitment, funding research projects for young researchers, implementation of equipment, and fostering the activities of the Department two doctoral courses.

As the end of the second project year is approaching, the 1st X-CHEM workshop aims to share and analyze the results obtained and allow a close interaction among Ph D students through the presentation of their activities.

The best poster, selected by the members of the IAB, will receive the *Igor Luisetto Award*. The prize is granted in the memory of our former Ph D Student and Colleague Igor Luisetto who left us prematurely thus interrupting a promising scientific career.

The program foresees an update from the project coordinator and conferences from members of the International Advisory Board. The personnel recruited through X-CHEM will have an opportunity to present their research and former Ph D Students will share their experience describe how it has influenced their career.

We are glad to welcome you all in Villa Mondragone!

The Organizing Committee

Fabiana Arduini

Massimo Bietti

Valeria Conte

Elisabetta Di Bartolomeo

Silvia Licoccia

Laura Micheli

Silvia Orlanducci

Roberto Paolesse

Francesco Ricci

Mariano Venanzi

Program

| Day 1 –September 9 th , 2024 – Villa Mondragone - Sala degli Svizzeri | | |
|---|---|---|
| 12:00-14:00 | Welcome and light lunch | |
| 14:00-14:15 | Welcome Address | Rector UTV |
| 14:15-14:30 | Update from the Project Coordinator | Valeria Conte, Director DSTC |
| Lectures IAB Members | | |
| 14:30-15:00 | Lecture Professor Graca Vicente, IAB | Per-fluorinated BODIPY derivatives: synthesis and regioselective functionalization |
| 15:00-15:30 | Lecture Professor Kevin Plaxo, IAB | Molecular vital signs: recent advances in in vivo biosensors |
| 15:30-16:00 | Lecture Professor Maurizio Prato, IAB | Carbon Nanodots: the missing link between the molecular and the nanoscale worlds |
| 16:00-16:30 | Coffee Break | |
| Lectures personnel recruited through X-CHEM | | |
| 16:30-17:00 | Professor Claudia Bizzarri | Sustainable Horizon: Photoactive Earth-abundant Metal Complexes for Carbon Dioxide Reduction and Beyond |
| 17:00-17:30 | Dr Paolo Calligari | Exploring the role of protein-protein interactions in the allosteric mechanism of a multi-domain protein: the case of oncogenic tyrosine phosphatase SHP2 |
| 17:30-18:00 | Dr Gabriele Magna | More than Oranges and Lemons: Recent Advances in Enantioselective Electronic Noses |
| Day 2 –September 10 th , 2024 – Villa Mondragone - Sala degli Svizzeri | | |
| Lectures Alumni | | |
| 09:30-09:45 | Professor Giuseppe Pomarico Ph D in Chemical Science | A journey into the multifaceted chemistry of porphyrinoids. And then beyond, where chemistry meets biology |
| 09:45-10:00 | Dr Anna Chiara Tizzoni Ph D in Materials for Sustainable Development | A career path in Concentrating Solar Thermal Research: materials challenges and development of sustainable technologies. |
| 10:00-10:15 | Dr Alessia Amodio, European Food Safety Authority (EFSA) | From bench research to desk science |
| 10:10-10:45 | Coffee Break | |
| 10:45-12:45 | Poster session | |
| 12:45-13:00 | Closing remarks project coordinator | Valeria Conte, Director DSTC |
| 13:00-14:00 | Lunch | |