

# Summer workshop 2024

June 19<sup>th</sup>-20<sup>th</sup>-21<sup>st</sup>, 2024

Scientific Campus Via Torino - Mestre (VE)

<https://zoom.us/j/82999466622> Passcode: meeting1

## June 19th, 2024 Room Delta 1A

37°, 38° e 39° cycle PhD Program in  
Science and Technology of Bio and  
Nanomaterials

9.00 Welcome Opening

9.15 Giulia Cazzador, Development of Greener  
Electrochemical Wearable Biosensor for  
Biomarkers detection

9.30 Edlind Lushaj, Two-dimensional  
nanomaterials: up-and-coming platforms for  
electrocatalysis and environment

9.50 Kubra Oztat, Exploring organoid-  
bacteria co-culture for cancer treatment and  
prevention: a multidisciplinary approach

10.05 Silvia Multari, Predicting molecular  
interactions with Artificial Intelligence

10.20 Eleonora Botter, Omo- and Hetero-  
bimetallic complexes bearing organopalladium  
fragments with promising anticancer  
properties

10.35 Giorgia Schinello, Investigating  
the role of Multimerin-2 in tumor-associated  
vessels

10.50 coffee break

11.15 Federico Surra, Simulation of the  
evolutionary dynamics of HGSOC with in-silico  
and in-vivo models

11.30 Muhammad Ali, Network analysis of  
complex systems in the venture capital market

11.45 Molinaro Sabrina, Study of  
archaeological glass and development of an  
innovative glass stabilization treatment

12.00 Sofia Scipioni, Cellulose-based  
nanostructured materials for paper restoration

12.15 Ilaria Bertuol, Polymeric materials with  
functional properties for surface modification  
and functionalization

12.30 Michele Crozzolin, Studies on doped  
fluorides nanoparticles: luminescence and ROS  
generation

12.45 Violina Potlog, Implementation of  
Nanopore Sequencing to speed up and  
improve the rAAV production stage for cell and  
gene therapy

13.00 Nicolò Spigariol, Sustainable solutions  
for the application of circular economy to the  
industrial manufacturing

13.15 Jacopo Moi, A diffusive model to quantify  
usability of public green areas

13.30 Davide Frigatti, Alternative solvents and  
innovative synthesis routes for the formation of  
dimers

13.45 Edoardo Tartaglia, Innovative  
conservation treatment for archaeological  
bronzes based on nanostructured materials

14.00 networking cocktail

## June 20th, 2024 Room Delta 0A

39° cycle PhD Program in Sustainable  
Chemistry

9.15 Welcome Opening

9.30 - Matteo Lorenzon, Activated di-  
carboxylic acids for solvent-free and eco-  
friendly polymerizations

9.45 - Giancarmelo Stamilla, Selective  
extraction and fractionation for the upgrading  
and valorization of egg yolk using supercritical  
CO<sub>2</sub>

10.00 - Caroline Lisevski, Self-Therapeutics  
Nanoparticles for Cancer Treatment"

10.15 - Davide Baldassin, Sustainable catalytic  
Materials and Approaches for biomass

10.30 - Chiara Cestari, Self-assembly  
behaviour of natural polyphenols

10.45 coffee break

11.15 - Umberto Danelon, Reactive Extraction  
Processes for Efficient Biomass Component  
Recovery

11.30 - Giovanni Tonon, Mesoionic carbenes  
as a powerful tool for conjugating biologically-  
relevant molecules on palladium complexes  
with anticancer properties

11.45 - Francesca Bordignon, Cyclization of  
natural compounds in confined environments

12.00 - Elena Sossich, Biosensor Platform  
based on synthetic biomolecules for medical  
applications

12.15 networking cocktail

## June 21st, 2024 Room Epsilon 2

37° cycle PhD Program in Science and  
Technology of Bio and Nanomaterials

9.00 Welcome Opening

9.30 - Andrea Campostrini, Green and  
multifunctional materials for the protection of  
stone Built Heritage

9.50 - Laura Dal Compare, On the effects of  
chirality and charge on the stability of liquid  
crystal phases

10.10 - Gianna Romanyuk, Bioengineering of  
novel protein scaffolds for the detection and  
management of viral diseases

10.30 - Ilenia Mazzocato, Development of a  
key enabling technology for the rapid and  
sustainable discovery of genetically encoded  
peptide-based inhibitors of proteases

10.50 coffee break

11.20 - Stefano Centenaro, Atmospheric  
pressure plasma polymerisation and sol-gel  
coatings for ancient glass protection

11.40 - Marta Micheletto, Evaluation of the  
effect of microplastics on in vitro intestinal  
epithelium models

12.00 - Davide Redolfi Bristol, Analysis of the  
Cellular Response to Nanoparticles' Exposure

12.20 - Navleen Kaur Sidhu, Development  
of nutraceutical formulation with green  
technology based on supercritical CO<sub>2</sub> and  
anticancer molecules using microfluidics  
technology

13.00 - 14.00 light lunch

14.00 - Nupur Khatu, Transient Grating  
Investigation of Magnetoelastic Coupling  
Dynamics in CoTbGd thin films

14.20 - Giulia Fischetti, Uncertainty  
quantification for reliable automatic multiplet  
classification in Nuclear Magnetic Resonance  
(NMR) spectroscopy

14.40 - Jacopo Nicoletti, Biodegradable  
Electronic Packaging and Sensors from  
Biowaste Upgrading

15.00 - Saimir Frroku, Multiphysics simulation  
for energy efficient Wide Bandgap  
semiconductors traction inverter for full electric  
vehicles