

## July 12th, 2023

9.00-9.20

**Matteo Bordin (VE)**

*Confined catalysis in layered materials for the sustainable hydrogen production through water splitting*

9.20-9.40

**Daniele Massari (VE)**

*Lignin nanostructures for the development of sustainable multifunctional composites*

9.40-10.00

**Martina Mamone (TS)**

*Use of Carbon Dots as Nano-organocatalysts in Synthetic Chemistry*

10.00-10.20

**Erica Scarel (TS)**

*Hydrophobic dipeptides self-assembly*

10.20-10.40

**Gianluca Centrone (TS)**

*Structure and function of the RecQ4 DNA helicase*

10.40-10.55

**Karim Abdel Hady (TS)**

*Development of catalysts for polymerization reactions: moving from an Academic to an Industrial approach*

**Coffee break**

11.30-12.10

**Conference**

**Prof. Michele Melchionna**

*Give Carbon a chance! The role of (almost) metal-free carbon-based catalysis in sustainable chemistry*

12.10-12.30

**Demi Vattovaz (TS)**

*Enzyme engineering for polyamide hydrolysis and recycling*

12.30-12.50

**Anastasia Serena Gaetano (TS)**

*Bioaerosol characterization, antibiotic resistance studies, and assessment of antimicrobial materials*

12.50-13.05

**Andrea Bernardi (TS)**

*use of lignin as photoinitiator for organic synthesis*

**Lunch break**

14.30-14.45

**Leonardo Biancorosso (TS)**

*Plasmon-assisted electron dynamics in complex systems*

14.45-15.00

**Greta Fogar (TS)**

*SnIV -porphyrin/dipeptide conjugates for artificial photosynthesis*

15.00-15.15

**Letizia Trevisan (TS)**

*Exploring the pyrazine scaffold to develop inhibitors towards Casein Kinase 1D*

15.15-15.30

**Ileana Merzdo (TS)**

*Towards new metal-based radiopharmaceuticals for imaging and therapy*

15.30-15.45

**Davide Marin (TS)**

*Gas-Phase Oxidation of Boron/Nitrogen Co-Doped Carbon Nano-Onions*

**Coffee break**

16.15-16.30

**Marco De Conto (TS)**

*Detergent screening for membrane protein purification: application on a bacterial flippase*

16.30-16.45

**Francesco Vicentini (TS)**

*Protocells as bio-mimetic systems for photoinduced water oxidation*

16.45-17.00

**Chiara Bersani (VE)**

*CUBWAM - Chemical Upgrading of Bio-Waste to Advanced Materials*

17.00-17.15

**Giulia Da Pian (VE)**

*CO<sub>2</sub> valorization for sustainable fuels production*

17.15-17.30

**Erica Galvagno (VE)**

*Engineering nanoceria to optimize its antioxidant activity for Cultural Heritage applications*

17.30

**Closing remarks**



Ca' Foscari  
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of Venice



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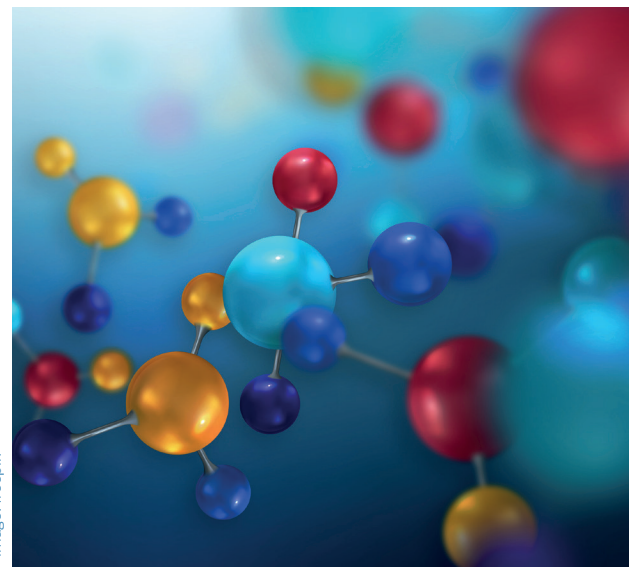


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Joint Doctoral Program in Chemistry

# Summer Workshop 2023

10th-11th-12th July 2023

Sala Conferenze "Orio Zanetto"

Scientific Campus

Via Torino 155, Mestre (VE)

# Programme

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## July 10th, 2023

14.00

**Welcome opening**

14.05-14.30

**Tommaso Lorenzetto (VE)**

*Rigid scaffolds for supramolecular applications in organic media and water*

14.30-14.55

**Daniele Polidoro (VE)**

*Catalytic Conversion of Renewables*

14.55-15.20

**Enrica Bortolamiol (VE)**

*New Palladium organometallic complexes in ovarian cancer*

15.20-15.40

**Elisa De Piante (TS)**

*Distinct and overlapping roles of human RecQ helicases in the recognition and unwinding of different G4 topologies*

15.40-16.05

**Marta Monti (TS)**

*How does chirality in solution relate to self-assembly? An experimental and computational study on dipeptides*

**Coffee break**

16.40-17.05

**Carlo Alberto Brondin (VE)**

*Exploring magnetism with light*

17.05-17.30

**Simone Adorinni (TS)**

*Combined supra- and nano-architectures for functional materials*

17.30-17.55

**Giuseppe Gentile (TS)**

*Application of phenol-rich carbon dots in photocatalysis*

17.55-18.20

**Raffaella Lamuraglia (VE)**

*Unveiling the timeless beauty: Innovative coatings for preserving Roman frescoes*

18.20-18.45

**Marco Pizzolato (VE)**

*Sustainable industrial processes*

## July 11th, 2023

9.00-9.25

**Letizia Liccardo (VE)**

*Controlled morphology MOx nanomaterials for photocatalytic applications*

9.25-9.50

**Francesco Abate (VE)**

*Study and preservation of copper-based coinage*

9.50-10.15

**Stefano Morasso (TS)**

*Multidisciplinary approach in drug discovery against SARS-CoV2: an integrated functional and biophysical study on the PLpro as a target in the treatment of COVID-19*

10.15-10.40

**Giovanna Marussi (TS)**

*Archaeometric study of ancient coins: development of an analytical method for the study of the invisible*

10.40-11.00

**Giulia Forghieri (VE)**

*Development of smart innovative biofertilizers*

**Coffee break**

11.40-12.20

**Conference**

**Dr. Tofik Ahmed Shifa**

*Catalysis and Nanoscience: A Focus on Green Energy Production*

12.20-12.40

**Andrea Di Vera (VE)**

*Alternative synthetic routes for luminescent halide perovskites*

12.40-13.00

**Lilia Longo (VE)**

*Thermochemical routes for the valorization of wastes*

**Lunch break**

14.40-15.00

**Paolo Guzzonato (VE)**

*Nanostructured Cellulose for Historical Paper Conservation*

15.00-15.20

**Chiara Morassut (TS)**

*Optical-continuum Gaussian basis set for High Harmonic Generation spectroscopy of atoms and molecules: theory and applications*

15.20-15.40

**Ilenia D'abbrunzio(TS)**

*Synthesis and investigation of the crystalline properties of pharmaceutical compounds*

15.40-16.00

**Alice Biasin (TS)**

*Rheological properties of human hepatic tissue and polymeric gels in the study of a novel molecular approach to liver fibrosis*

**Coffee break**

16.40-17.00

**Nicola Compagno (VE)**

*Surfactant based organic chemistry: evaluation, development of newly designed chemical routes in water*

17.00-17.20

**Simone Guazzi (TS)**

*Synthesis of carbon nitride-polyoxometalate hybrid material and application in selective electro-oxidation of ethanol*

17.20-17.40

**Federico Nolasco (TS)**

*Optimizing nanobody affinity: rational design and experimental validation*

17.40-18.05

**Antonio Longo (TS)**

*Structural and functional analysis of human helicases involved in genome maintenance*