

Friday June 28th 2019



UNIVERSITÀ  
DEGLI STUDI DI TRIESTE



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Room Giorgio Padoan, San Sebastiano

9.00 - 9.45 Conference

**Prof. Anna Maria Papini**

Dipartimento di Chimica "Ugo Schiff" Università degli Studi di Firenze  
*A « Chemical Reverse Approach » to develop efficient and reliable peptide-based diagnostics for immune-mediated diseases*

9:45 – 10:25 presentations - students of the 3<sup>rd</sup> year

**Elena Pavoni, UniTs**

*Trace elements in estuarine environments: mixing, partitioning and accumulation processes*

**Roberto Sole, UniVe**

*Synthesis and characterization of NN,NS-complexes and their use for the catalytic valorisation of biomasses*

10:25 – 10:50 coffee break and poster session

10:50 – 12.30 presentations - students of 3<sup>rd</sup> year

**Marina Kurbasic, UniTs**

*Heterochiral Short Peptides for Self-Assembly into Antimicrobial Hydrogels*

**Cristina Pizzolitto, UniVe**

*Development of heterogeneous catalysts for fuel and chemicals production*

**Caterina Deganutti, UniTs**

*Membrane proteins: the eukaryotic P-IV ATPase Neo1 and the prokaryotic polymerase Wzy*

**Giacomo Berton, UniVe**

*triphenylenes for supramolecular applications*

12:10 – 12:20 Concluding remarks

12:30 Meeting of Consiglio dei Docenti



Università  
Ca' Foscari  
Venezia

**Organizing Committee**

**Prof. Barbara Milani**

**Prof. Alessandro Scarso**

**Dr. Francesca Guidi**

**Venue**

Room Giorgio Padoan

Sede di San Sebastiano, Dorsoduro 1686,  
Campo San Sebastiano, 30123 Venezia



# 5<sup>th</sup> Workshop of the Joint Doctoral Program in Chemistry

June 26<sup>th</sup>-28<sup>th</sup> 2019

Room Giorgio Padoan  
San Sebastiano  
Venezia

## Wednesday June 26<sup>th</sup> 2019

### Room Giorgio Padoan, San Sebastiano

14:00 **Welcome opening**

14.15 - 15.00 **Conference**

#### Prof. Martin Albrecht

Dept. Chemie und Biochemie, Universität Bern

*N-heterocyclic carbenes: game changer in homogeneous catalysis — even with Earth-abundant metals*

15:00 – 16:00 **presentations - students of the 2<sup>nd</sup> and 3<sup>rd</sup> year**

#### Anna Dall'Anese, UniTs

*Pd(II)-catalyzed functionalized polyolefin synthesis: acrylate in chain*

#### Vincenzo Lombardi, UniVe

*immobilization and adsorption of enzymes on functionalized silica micro and nanoparticles*

#### Alessio Vidal, UniTs

*New Ru(II)-based metallacycles of porphyrins*

16:00 – 16:30 **coffee break and poster session**

16:30 – 17:50 **presentations - students of the 1<sup>st</sup> year and 2<sup>nd</sup> year**

#### Marco Medves, UniTs

*Optical properties of Monolayer Protected Clusters: the role of ligand, staples and the inner metallic core*

#### Luca Pietrobon, UniVe

*Synthesis of Acrylates from CO<sub>2</sub> and Ethylene*

#### Ottavia Bellotto, UniTs

*Enzyme-Assisted Peptide Assembly*

#### Matteo Mauceri, UniVe

*New targeted molecules for the therapy of ovarian cancer*

#### Martina Zanchetta, UniTs

*Development of LC-MS/MS method for the therapeutic drug monitoring of sorafenib, regorafenib and their main active metabolites*

#### Davide Rigo, UniVe

*Catalytic reactions of diols and isopropenyl esters for the tandem synthesis of transesterification and acetalization products*

#### Cristian Rosso, UniTs

*Developing Photochemical Atom Transfer Radical Addition (ATRA) Reactions in Batch and Flow*

## Thursday June 27<sup>th</sup> 2019

### Room Giorgio Padoan, San Sebastiano

9:00 – 10.30 **presentations - students of the 1<sup>st</sup> and 3<sup>rd</sup> year**

#### Somayeh Taghavi, UniVe

*Valorization of biomass to chemicals using promising catalysts*

#### Mattia Vidali, UniTs

*Synthesis, characterization and optimization of novel irreversible deubiquitinases inhibitors as antineoplastic agent*

#### Giulia Mazzon, UniVe

*Antioxidant hydrophobic treatment for the conservation of woven textiles*

#### Margherita Zucchelli, UniVe

*Development of bio-based coatings for the protection of architectural surfaces*

#### Michele Cacioppo, UniTs

*Tailoring Carbon Nanodots*

#### Roberto Calmanti, UniVe

*Use of tungstate salts for the direct oxidative carboxylation of renewable feedstocks*

10:30 – 11:00 **coffee break and poster session**

11.00 – 11.45 **Conference**

#### Prof. Markus Antonietti

Max Planck Institute of Colloids and Interfaces, University of Potsdam  
*"Noble Carbons and Carbon Nitrides": Metal free (Electro)Catalysis*

11:45 – 12.45 **presentations - students of the 2<sup>nd</sup> and 3<sup>rd</sup> year**

#### Andrea Morandini, UniVe

*Synthesis of new antimicrobial agents and their use in the preparation of polymeric materials*

#### Diana Dashi, UniTs

*Development of new products for hair color and hair bleaching*

#### Alessandro Bellè, UniVe

*Selective Recovery of carbon supported catalyst*

### Lunch

14:30 – 16.40 **presentations - students of all years**

#### Elisa Bernes, UniTs

*Core-electron excitations in free and adsorbed molecules: a computational DFT/TDDFT study*

#### Francesco Longobardo, UniTs

*New carbon based nanomaterials for electrocatalytic and photocatalytic applications*

#### Irene Marcovich, UniTs

*Structural study on enzymes: a bacterial flippase and a human kinase*

#### Maria Sole Zalaffi, UniVe

*Metal nanostructures decorated with silver nanostars: a novel highly efficient SERS substrate for dyes and pigments detection*

#### Margherita Donnici, UniVe

*Study of protective coatings effect on corrosion layers of copper-based ancient objects*

#### Tarekegn Heliso Dolla, UniTs

*Development of novel heterogeneous catalysts for photocatalytic N<sub>2</sub> fixation and CO<sub>2</sub> reduction*

16:40 – 17:10 **coffee break**

17:30 **Boat trip excursion to Burano island with dinner at Ristorante Raspo de Ua**

19:30 **Dinner at Trattoria Raspo de Ua**