



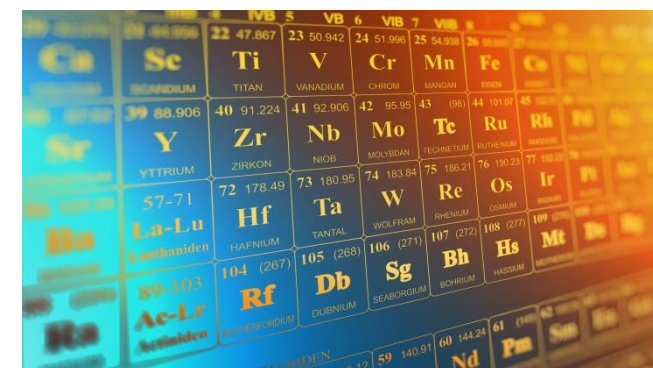
UNIVERSITÀ
DEGLI STUDI DI TRIESTE



Università
Ca' Foscari
Venezia

Joint Doctoral Program in Chemistry

2021 Final Year Research Meeting



June 30th - July 1st, 2021

Online at <https://zoom.us/j/84706935557>
password "workshop1"

UniTs, Aula Magna DSFC
UniVe, Auditorium Danilo Mainardi

Tips for connection:

<https://zoom.us/j/84706935557>

Passcode "workshop1".

If you never connected with Zoom, connect to the link and then you will be asked to download and execute the Zoom client.

If you have already downloaded the client, please directly connect to the link.

You may need to download it again if Zoom upgraded the app recently.

Follow the simple instructions and everything should work fine.

For assistance you can call or send a Whatsapp message to Dr. Francesca Guidi, mobile: +39 344 0104186.

The virtual room will open half an hour before the official starting time.

Please mute the microphone during the meeting. If you want to address a question to the lecturer, please let us know it through the chat and the Chair will ask you to unmute and address the question.

Organizing Committee

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Wednesday, June 30th, 2021

9.00 Welcome opening

Scientific Reports UniTs

9.10 Ottavia Bellotto

Supramolecular hydrogels from unprotected dipeptides: a comparative study on stereoisomers and structural isomers

9.30 Ilenia Grieco

Design, synthesis and characterization of new CK1 δ inhibitors

9.50 Martina Zanchetta

Development of LC-MS/MS method for the therapeutic drug monitoring of anticancer drugs

10.10 Simone Adorinni

Supramolecular hydrogels from a heterochiral tripeptide and a carbon nanostructure

10.20 Giuseppe Gentile

Application of carbon nanomaterials for photo and organocatalysis

10.30 Stefano Morasso

Biochemical and structural characterization of USP1/UAF1 as target for anti-cancer drugs

10.40 Antonio Longo

Structural and functional analysis of helicases involved in genome maintenance

10.50 - 11.20 Coffee break

Scientific Reports UniVe

11.20 Nicolò Pajer

Biocatalytic upgrading of lignins

11.40 Davide Rigo

Sustainable processes for the chemical upgrading of renewable

12.00 - 12.30 Alumni Story 1

Dr. Lodovico Agostinis

AIMPLAS Instituto Tecnológico del Plástico - Valencia

Fantastic PhD theses and how to use them (in the post-Doc)

12.30 - 13.50 Lunch

Scientific Reports UniVe

13.50 Roberta Zanini

Multi - Analytical study of corrosion processes on archaeological glass and development of protective coating

14.10 Margherita Zucchelli

Zein-based hydrophobic coating: from promising properties to field application

14.30 Tommaso Lorenzetto

Rigid scaffolds for supramolecular applications in organic media and water

14.40 Carlotta Campalani

Chemical valorisation of fishery waste: from Carbon Dots to Biopolymers

15.00 - 15.40 Coffee break

Scientific Reports UniTs

15.40 Tarekegn Heliso Dollah

Development of novel heterogenous catalysts for photocatalytic N₂ fixation

16.00 Chiara Alberoni

The effect of secondary interactions in Pd(II)-catalyzed ethylene/methyl acrylate copolymerization

16.20 Thomas Gobbato

Bio-inspired Nano-Architectures for Artificial Photosynthesis

16.40 Giovanna Marussi

When analytical chemistry comes to the aid of history: chemical characterization of ancient coins (Solidi, Denarii and Antoniniani)

16.50 Marta Monti

A computational scheme based on DFT-TP method for time-resolved NEXAFS spectra: Application to Perylene-3,4,9,10-tetracarboxylic diimide

17.00 Mattia Vidali

Design, synthesis and characterization of novel isopeptidase inhibitors with promising antineoplastic activity

17.20 Mariachiara Spennato

Chemoenzymatic cascade reactions for the synthesis of bio-based plasticizers and lubricants

17.40 Veronica Vida

Design and synthesis of sensing elements targeting natural compounds from olive oil and coffee



Dr. Lodovico Agostinis, PhD in Chemistry, working in AIMPLAS as PhD researcher in chemical technologies team since April 2019. He has been working in polymer synthesis and

functionalization to tailor enhanced biodegradability, antimicrobial and gas barrier properties. Moreover, he is member of the research group of flame retardants where his research focuses on polymer functionalization and synthesis of bio-based additives for the enhancement of behavior towards flame. In his PhD research he worked in the development of carboxylic acid activators for cross-linking and grafting of both natural and polymeric matrices, which led to the draft of two patents.

Thursday, July 1st, 2021

Scientific Reports UniVe

9.00 **Giulia Moro**

PFASensing: electrochemical and optical strategies for tackling perfluoroalkyl substances

9.20 **Marco Pizzolato**

Development of materials for green ammonia synthesis to be applied in new sustainable industrial processes

9.30 **Luca Pietrobon**

Use of Formic Acid as in situ generator of CO in Palladium-Catalyzed Carbonylation of Olefins

9.50 **Letizia Liccardo**

Nanostructured homo and hetero junctions for the photocatalytic degradation of wastewater pollutants

10.00 **Daniele Polidoro**

Catalytic reductive protocols for the chemical upgrading of 5-HMF and glucosamine

10.10 **Enrica Bortolamiol**

Pd-Indenyl: a new organometallic fragment for biological application

10.20 **Carlo Alberto Brondin**

Controlling magnetism via interfacial chemistry

10.30 - 11.10 **Coffee break**

Scientific Reports UniTs

11.10 **Luca Bedon**

Machine Learning in clinical development: a focus on clinical trial design

11.30 **Marco Medves**

Generation of a database of fitting basis functions with automatic algorithms

11.50 **Iulia-Ioana Radoi**

Advanced morphological characterization of immobilized transaminases by means of infrared

microscopy

12.00 - 12.30 **Alumni Story 2**

Dr. Samuel Golob

Global Brand Leader New Products

CHIESI FARMACEUTICI S.p.A, Parma

A post-PhD journey

12.30 - 14.00 **Lunch**

Scientific Reports UniTs

14.00 **Eleonora Cescon**

Protein Kinases inhibitors as potential neuroprotective agents in neurodegenerative diseases

14.20 **Maria Claudia Cafiero**

Gold Nanoparticles as sensing probes for bacteria identification

14.40 **Nicole Crestan**

CAR-T cell therapy anti-CD138 combined with A2AR pathway inhibitors for the treatment of Multiple Myeloma

14.50 **Chiara Danielli**

New methods for the formulation of glucoamylase

15.00 - 15.30 **Coffee break**

Scientific Reports UniVe

15.30 **Somayeh Taghavi**

Valorization of biomass to chemicals using promising catalysts

15.50 **Valentina Ferraro**

Synthesis, characterization and photophysical properties of first-row transition metal complexes

16.10 **Matteo Mauceri**

New targeted molecules for the therapy of ovarian cancer

16.30 **Raffaella Lamuraglia**

Characterization and protection of Roman frescoes

16.40 **Francesco Abate**

Characterization and protection of archaeological bronze objects

16.50 **Valeria Gagliardi**

Green approaches to lignin valorization

17.10 **Closing remarks**

17.15 **Consiglio didattico PhD in Chemistry**

Dr. Samuel Golob, PhD in Chemistry, working as Global Brand Leader at Chiesi Group with 5 years of experience in the Pharma & Biotech Industry.