

WEDNESDAY, 13th November

11:30 Registration and check in - Conference desk

14:20 Opening ceremony - Sala Quarzo

14.45 Session #1 - Sala Quarzo

Chair: Claudia Bonfio, co-chair: Sara Tortorella

PL01: Dr. Hendrik Schroeder (Robert Bosch GmbH)

Walking the tightrope: academia, industry, or somewhere in between

15.30 Session #1bis - Sala Quarzo

Chair: Marta Da Pian, co-chair: Ilaria Arduino

SP01: Merck

SP02: GUGLIUCCI Wanda (Eni)
Agri-bioenergy

SP03: INSTM Presentation

SP04: EYCN Presentation (Claudia Bonfio)

16:10: Presentazione candidati alla presidenza della Società Chimica Italiana

Chair: Marta Da Pian

16:20 Coffee break



16:50 Parallel Session #2A Catalysis and (Bio)Sensors - Sala Quarzo

Chair: Ambra Fiore, co-chair: Marco Mendolicchio

OR001: ARMELI IAPICHINO Maria Teresa (UniCT)

Carbon nitride-based photocatalysts for the hydrogen production using actual water matrices

OR002: BENETTIN Tommaso (UniMI)

Light-driven regioselective [2+2] cycloaddition of aryl-enones by Eosin Y

OR003: GUGLIELMERO Luca (SNS)

Metal-EDTA and metal-IDA2 ionic liquids catalyzed cycloaddition of CO₂ to epoxides

OR004: GIULINI Nicolò (UniMiB)

Conjugated microporous polymers (CMPs) as heterogeneous catalysts for Suzuki-Miyaura reactions in water

OR005: IAPADRE Debora (UnivAQ)

New hydrogen bonding motifs for anion binding catalysis

FL001: ERRICHELLO Giulia (UniPD)

Design of polyoxometalate coacervate-based photocatalytic microreactors for artificial photosynthesis

FL002: BALDASSIN Davide (UniVE)

Sulfated zirconias for the dehydration of d-sorbitol

FL003: INICO Elisabetta (UniMiB)

Role of key intermediates of Oxygen Evolution on IrO₂, RuO₂ and TiO₂ catalysts: a computational electrochemistry study

FL004: TOMMASI Matteo (UniMI)

Biogas upgrading: the role of Ni-based catalysts

FL005: ITRI Giulia Maria (UniRC)

Recovery of spent lithium-ion batteries and orange peel waste for the production of new heterogeneous photo-catalysts

FL006: TRIMBOLI Antonio Cosimo Pio (UniRC)

Hydroconversion of Polyolefin Plastic Waste into Fuels

FL007: FERRARO Giorgia (UniVE)

Rheology study of a heterogeneous catalyst

FL008: BERTOCCHI Francesco (UniPR)

NIR optical nanothermometer based on organic radicals: monitoring temperature in biological tissues

FL009: MAGNAGHI Lisa Rita (UniPV) BIOSENSORS

360° Shelf Life of fresh-cut salads: PCA and data fusion approach on act to combine various techniques for comprehensive food degradation monitoring

16:50 Session #2B Photochemistry and Biotech - Sala Giada

Chair: Fabio Pizzetti, co-chair: Ilaria Arduino

OR006: ALFANO Antonella Ilenia (UniNA)

Multiphase photochemistry in flow mode via an integrated continuous stirred tank reactor (CSTR) approach

OR007: ANGELUCCI Andrea (UniROMA1)

Porphyrazines carrying externally *o*-carboranedithiolate groups as potential bimodal PDT/BNCT anticancer agents

OR008: CALLEGARI Camilla (UniPV)

Carbon nitride materials as green photocatalysts in C-H bonds functionalization processes

OR009: GARBAGNOLI Martina (UniPV)

Development of a series of photoactivatable interferents of the HuR-RNA complex as novel potential anticancer agents

OR010: MARTINI Vittoria (UniPR)

Use of a traceless activating group in photocatalyzed HAT: the CO-HAcTive strategy

OR011: PALOMBELLA Elena Teresa (UniBA)

Photocatalytic depolymerization of lignin using MoO₃-based catalysts

OR012: NESPOLI Luca (UniMI)

Valorization of Apple Pomace: bacterial cellulose-immobilized β -Glycosidase allows efficient production of phloretin

FL010: LAFACE Zoe (UniMI)

Innovative on-resin and in solution peptidomimetics synthesis via metal-free photocatalytic approach

FL011: NICCHIO Luca (UniPV)

- Metal and (photo)catalyst-free difunctionalization reactions via arylazo sulfone as visible-photoactive reagent
FL012: VENDITTI Jacopo (UniSI)
Fluorescent labelling of Human Serum Albumin
FL013: CASSANO Lorenza (UniPV)
Biomanufacturing of commodity chemicals from cheese whey permeate

16:50 Session #2C Drug discovery - Sala Zaffiro-Turchese

Chair: Arianna Rossetti, co-chair: Isabella Romeo

- OR013: BRUNETTI Leonardo (UniBA)
Tackling neuroinflammation with H₂S releasing FPR2 agonists
OR014: LEVERARO Silvia (UniFE)
Optimization of enzymatic stability of the antimicrobial peptide calcitermin
OR015: BORGHI Federica (UniMORE)
HDAC6 inhibitors based on 2-amino-pyrrolopyrimidine and purine scaffolds: synthesis and biological evaluation for prostate cancer treatment
OR016: CASTIGLIONE Davide (UniTO)
Direct and straightforward access to α -chloro and α,α -dichloroacetamidines via homologation of diaryl-carbodiimides and consecutive electrophile trapping
OR017: COMAS Iwasita Eisuke (UniTO)
Divergent behavior of acyl halides towards formal trihalomethyl-homologating agents
OR018: COSENTINO Giuseppe (UniCT)
Discovery of highly selective sigma-1 receptor ligands for the treatment of allodynic conditions
FL014: VILLAMIL Valentina (UniMore)
Boronic acids: a new strategy to boost beta-lactam antibiotics as anti-tuberculosis agents
FL015: MILLI Giorgio (UniPV)
Novel Agents Against Biofilm Formation: Design, Synthesis and Biological Evaluation of LsrK Ligands as AI-2 Quorum Sensing Inhibitors

FL016: SODANO Federica (UniNA)

Cancer cells multidrug resistance? NO thank you

FL017: COLLEONI Alessio (UniMI)

Targeted degraders of eIF6: a novel strategy to remodulate liver pathological lipidic metabolism

FL018: BILLI Chiara (UniNA)

A new biocompatible Butyric Acid-releasing Glucosamine derivative for transdermal delivery

FL019: BALDI Andrea (UniFI)

Novel macrocyclic derivatives as MerTK selective inhibitors for targeted cancer therapy

FL020: BOTTER Eleonora (UniVE)

Exploring the synthesis and cytotoxicity of Pd(I) dimers bearing phosphine and isocyanide ligands

FL029: D'ANNA Luisa (UniPa)

Investigating the interactions between salphen metal complexes and RNA/DNA G-quadruplexes through experimental and computational methods

16:50 Session #2D Environmental and Green Chemistry - Sala Smeraldo-Rubino

Chair: Flaminia Vincenti, co-chair: Emilia Paone

OR019: RIGHETTI Grazia Isa Carla (PoliMI)

Seed4Green: unlocking HMF-DES potential for a green transition

OR020: SESSA Alessandra (UniSA)

Innovative synthesis of ZIF-8 in glycerol carbonate as a green alternative to DMF: a comparative life cycle assessment

OR021: ROSSINO Giacomo (UniPV)

A green Heck reaction protocol towards trisubstituted alkenes, versatile pharmaceutical intermediates

FL021: JIRITANO Antonio (UniCAL)

Employing of Functionalized Cellulose Nanocrystals with Waste Vegetable Oils for Sustainable Applications in Advanced Materials

FL022: VIADA Gabriele (UniTO)

Eco-friendly polyurethane resins: BHET-driven integration for end-of-waste solutions in a circular economy perspective

FL023: BRESSI Viviana (UniRC)

Turning Waste into High-Value Chemicals: Enhancing Plastic Waste Hydroconversion with a Novel Catalytic Approach

FL024: MANCARELLA Federica (UniSA)

Natural deep eutectic solvents for high-value products recovery from seafood industry waste

FL025: CAROTTI Chiara (PoliMI)

Hydrophobic eutectic solvents in water remediation

FL026: CARCAGNI Martina (PoliBA)

Exploring the potential of soft calcite: innovative solutions for sustainable engineering

FL027: NEBBIOSO Viviana (UniNA)

Study of antifouling hydrophobic coatings via contact angle measurements

FL028: MOUSAVI Mohammad Sadeq (UniSA)

Double cascade sequential highly diastereoselective [3+3] spirocyclization for the synthesis of 3-spiropiperidine heterocycles

FL030: GUEMBE-GARCÍA Marta (UBU)

Reusable acrylic-based smart polymers for textile dye extraction

FL031: MACCARI Chiara (UNIPR)

EXPOASMA: pollution, oxidative stress and exposome

FL032: DUCOLI Serena (UniBS)

True-to-life nanomaterials for evaluating nanoplastics impacts on human health

19:30 Dinner, theme of the night: **Steam punk - Ristorante Hotel Sporting**

21:00 Poster session for Posters POS001-015 and FL001-032 – Sala Ametista

22:00 Welcome drink - Hall

THURSDAY, 14th November

09:00 Session #3 - Sala Quarzo

Chair: Matteo Sambucci, co-chair: Angela Marotta

PL02: Dr. Laura Aliotta (UniPISA & INSTM)

How can Agro-Industrial Wastes be turned into a resource? Examples of Sustainable Biocomposites

09:45 “Premio Primo Levi 2023” special session

Chair: Marco Mendolicchio, co-chair: Anna Dall’Anese



Introduzione e premiazione

Arianna Actis (UniTO - 1° prize PhD category)

Singlet-Triplet Energy Inversion in Carbon Nitride Photocatalysts

Matteo Capone (CNR Institute of Nanoscience - 1° prize Post-doc category)

The electron–proton bottleneck of photosynthetic oxygen evolution

Round table and general discussion: “How to: Premio Levi”

10:40 Group picture!

10:40 Coffee break - Hall

11:00 Session #4A Energy - Sala Quarzo

Chair: Matteo Bonomo, co-chair: Angela Marotta

OR022: DA FERMO Vanessa (UniCH)

The SPINNERET project: fabrication of electrospun nanocomposites for lithium batteries

OR023: MOTTA Daniele (UniTO)

- NaCl-Gly deep eutectic electrolyte for stable and high-voltage electrochemical double layer capacitor
- OR024: SPERATI Valeria (PoliTO)
Optimizing synthesis and investigating the behavior of Ni-Fe-Mn-base oxide as positive electrode for Sodium ion battery
- OR025: MILANESI Matteo (PoliTO)
Development of an eco-friendly bi-layer gel-polymer electrolyte for rechargeable Zinc-Air batteries
- OR026: MASSARO Arianna (UniNA)
Unveiling key interactions at TiO₂-anatase/PEO interfaces: a metadynamics study
- OR027: ORECCHIO Silvia (UniPA)
Evaluation of environmental impacts from photovoltaic and optoelectronic devices during non-routine events
- FL033: GRAMEGNA ALICE (INSTM)
Exploring adsorption technologies for cattle enteric CH₄ capture: from data collection to process simulation
- FL034: SALERNO Giorgia (UniMIB)
Exploiting indoor light: Improving dye-sensitized solar cells for low light photovoltaics
- FL035: PAGANO Giorgio (UniRoma2)
Exploring the effect of different synthetic routes on the electrocatalytic activity of LaNiO₃ towards the oxygen evolution reaction
- FL036: CORNALE Michela (UniRoma2)
Synthesis and characterization of a non-stoichiometric perovskite oxide La_{0.4}Ca_{0.4}TiO₃ as fuel electrode for solid oxide cells (SOC)
- FL037: D'AURIA Martina (UniNA)
Novel PET hydrolases derived from thermophilic microorganisms

11:00 Session #4B Health Science, Natural Products and Food Chemistry - Sala Giada

Chair: Carmela Maria Montone, co-chair: Ilaria Arduino

- OR028: CERRATO Andrea (UniRoma1)

A click inverse electron-demand Diels-Alder reaction for pinpointing carbon-carbon double bonds in untargeted lipidomics

OR029: CROSTA Sara (PoliMi)

TEMPO derivatives-grafted nanogels for antioxidant perspectives

OR030: CORSETTI Samanta (UniCam)

Olive and grapeseed oils aromatization: influence on quality, stability and sensorial characteristics

OR031: SCHIANO Marica Erminia (UniNA)

Monitoring of seven pesticide residues by LC-MS/MS in extra virgin olive oil samples and risk assessment for consumers

FL038: BUSTO Francesco (UniBA)

Gellan gum/pectin films loaded with saffron by-products: a promising strategy for wound healing applications

FL039: FABBIAN Simone (UniPD)

Not just β -oxidation: NMR spectroscopy sheds light on a novel enzymatic reaction in mitochondrial long-chain fatty acid metabolism

FL040: SODINI Andrea (UniFI)

Synthetic glycolipids and their formulation in biocompatible nanovesicles

FL041: BRIOSCHI Giulia (UniMI)

Valorization of bioactive stilbenoids derived from agri-food residues through chemo-enzymatic approaches

FL042: FOSSATI Alice (UniPV)

Investigating the Italian flora to discover new weapons against glioblastoma multiforme

FL043: KASSOUF Nicholas (UNIBO)

Net analyte signal used to quantify the concentration of three active principles contained in Neonisidina®

FL044: PAVONE Sara (UniFI)

Automated synthesis of libraries of iminosugar derivatives for plant protection

FL045: SCAPPATICCI Claudia (UnivAQ)

Extraction of pharmacologically active substances from typical Italian plant species such as "Mugnoli di Pettorano sul Gizio" using analytical techniques and chemometric approaches

FL046: TUMMINELLI Elisabetta (UniPv)

Preparation, phytochemical characterization, and biological evaluation of extracts from pruning wood of *Prunus persica*

11:00 Session #4C Drug discovery - Sala Zaffiro-Turchese

Chair: Isabella Romeo, co-chair: Arianna Rossetti

OR032: ELISI Gian Marco (UniURB)

Dissecting kinetic and thermodynamic aspects of the binding mechanism of melatonergic ligands

OR033: LA MONICA Gabriele (UniPA)

Optimized imidazole-thieno[3,2-c]quinolines: promising antiproliferative compounds for thyroid and NCI60 cancer cells

OR034: MOI Davide (UniCA)

Selective HDAC6 inhibitors for the fight of metastatic castrate-resistant prostatic cancer

OR035: BERNARDONI Bianca Laura (UniPI)

Multifunctional agents to counteract Alzheimer's Disease: a preliminary study

FL047: NARDI Alberto (UniTO)

Chemoselective SN2' homologation of allylic platforms with zinc carbenoids

FL048: ALAMIA Federica (UniPA)

Novel 6,7-Dimethoxy-4-Piperazinylquinoline Derivatives as Promising Antibacterial Agents Against *Staphylococcus aureus*

FL049: BATTISEGOLA Chiara (UniNA)

Multiple drug-delivery strategies to enhance the pharmacological and toxicological properties of mefenamic acid

FL050: FAVA Marianna (UniSI)

Beyond conventional therapies: "Trojan horse" conjugates for advanced drug delivery

FL051: BONO Alessia (UniPA)

Machine learning model for predicting molecular activity using Molecular Descriptors and ElectroShape Descriptors

FL052: FASSI Enrico Mario Alessandro (UniMI)

Fighting chronic inflammation by inhibiting the HMGB1 protein as a promising target for the development of innovative anti-inflammatory bioactive and RNA-based compound

FL053: LOMBARDO Lisa (UniME)

A machine learning-based approach to identify the selectivity profiles of sigma receptors ligands

FL054: MOLARO Maria Cristina (UniNA)

Overcoming cancer therapy resistance: the role of arginase inhibitors

11:00 Session #4D Smart Materials - Sala Smeraldo-Rubino

Chair: Matteo Sambucci, co-chair: Ambra Fiore

OR036: TEDESCHI Vincenzo (UniBA)

Luminescent micro- and nanostructures from the combination of organic fluorophores and microalgae

OR037: CIANI Rebecca (UniPA)

Halloysite as innovative pyrazole[3,4-d]pyrimidine derivatives carrier for potential local treatment of prostate cancer

OR038: RIVA Laura (PoliMI)

Cellulose-based nanostructured aerogels for leachate decontamination: towards sustainable phosphorus recovery from sewage sludge ash

OR039: SANTANDREA Domenico (UniVE)

Surface amidated TEMPO-CNF films for dyes and drugs adsorption

FL055: MERINGOLO Federica (UniCAL)

Functionalization of cellulose matrices towards the preparation of antibacterial composites

FL056: ARNAIZ Ana (UniBU)

Vanillin-enhanced polymers: a new frontier in antibacterial textiles for emergency services

FL057: BASSO Francesca (IIT, UniGE)

Enhancing marine bioproducts in the creation of collagen and gelatin-based hydrogels with tunable properties for wound healing applications

FL058: FREZZA Chiara (UniROMA3)

Activating titanium surface by cerium coatings: biocompatibility, resistance in simulated inflammatory conditions, and antibacterial performance

FL059: CAZZOLA Sara (UniPD)

Synthesis of gold-gadolinium alloy nanoparticles via Laser Ablation in Liquid for biomedical applications

FL060: LIOTINO Stefano (UniBA)

Synthesis and characterization of succinylated pectin

FL061: CAPPELLETTI David (UniPD)

Transient supramolecular fibrillation and catalytic regulation of peptide amphiphiles driven by ATP

FL062: ASTORINO Carmela (PoliTO)

High-performance carboxylated Polymers of Intrinsic Microporosity (PIMs) with gas transport properties

FL063: MALTONI Pierfrancesco (UniGE)

Unraveling exchange coupling in ferrites nano-heterostructures

12:30 Business Lunch - Ristorante Hotel Sporting

14:00 Session #5 - Sala Quarzo

Chair: Marta Da Pian, co-chair: Anna Dall'Anese

PL03: Prof. Silvia Marchesan (UniTS)

Diving Down the Rabbit Hole of Heterochiral Peptides

14:45 Assemblea annuale dei soci del Gruppo Giovani ■ ■

15:50 Session #5bis - Sala Quarzo

Chair: Emilia Paone, co-chair: Luca Rivoira

15:50 PL04: Dr. Monja Schilling (German Chemical Society)

Evaluating the lab-based chemistry escape game ChemEscape for high school students

16:00 PL05: Dr. Elena Lenci (UniFI)

Accessing new chemical space through Diversity-Oriented Synthesis and Chemoinformatics

16:45 Coffee Break + Session #6: Poster session for POS016-031 and FL033-063 – Hall + Sala Ametista

17:30 Session #7A Catalysis - Sala Quarzo

Chair: Ambra Fiore, co-chair: Emilia Paone

OR040: SPOTTI Matteo (UniMiB)

Activity of single atom catalyst for nitrogen reduction: the more reactive the better does not always holds true

OR041: DI GIACOMO Stefano (UniCH)

Copper/carbon composite waste from the automotive industry as a multiplatform for thermal and electrocatalyst

OR042: SAETTA Clara (UniMiB)

Key Ingredients for the Screening of Single Atom Catalysts for the Hydrogen Evolution Reaction: The Case of Titanium Nitride

OR043: FATTALINI Marco (UniMi)

Continuous flow telescoped synthesis of Levetiracetam

OR044: LENZI Chiara (UniBO)

Water oxidation: the role of new iron-based N-heterocyclic carbene complexes

OR045: DEGERLI Simge Naz (UniMI)

Photoconversion of CO₂ to fuels under high pressure

OR046: CARIOSCIA Alessio (UnivAQ)

Nitrogen-rich carbon dots in asymmetric nano-organocatalysis via ACDC

17:30 Session #7B Health Science, Natural Products and Food Chemistry - Sala Giada

Chair: Angela Marotta, co-chair: Carmela Maria Montone

OR047: DI MATTEO Valentina (UniBO)

Zeolitic Imidazolate Framework-8 (ZIF-8) for antimicrobial prevention

OR048: DI SANTE Manuele (UniBO)

Design of carbon nanoheaters enhancing tissue regeneration

OR049: GIAGU Gabriele (UniBO)

Electrochemiluminescence imaging with Nanostructured electrode: A Platform for Enhanced Performance

OR050: MARCONI Alessia (UniBO)

Proteins as Carriers for Photodynamic Therapy

OR051: MARRA Sebastiano (UniNA)

Regenerative approaches for pomegranate waste: bioactive hybrid nanomaterials for oxidative stress treatment

OR052: CAVALLORO Valeria (UniPV)

Metabolites from lichens against cholangiocarcinoma: from computational predictions to patient-derived organoids

OR053: SACCHI Francesca (UniMI)

Synthesis of natural phloroglucinol dimers and derivatives as potential antifungal agents

OR054: MARCOLLI Giulia (PoliMI)

Harnessing biomasses from agri-food waste

OR055: Marinaccio Lorenza (UniCH)

Valorization of tomato skins as a source of lycopene: green extractions using DES menthol-thymol, α -pinene and extra virgin olive oil

17:30 Session #7C Environmental and Green Chemistry - Sala Zaffiro-Turchese

Chair: Matteo Bonomo, co-chair: Flaminia Vincenti

OR056: CABONI Pietro (UniCA)

Thiourea Oxidized Derivatives: The Unveiling Of Their Potentiality Through Solvent less Techniques

OR057: VEERAPURAM Lavanya (UniME)

Plasma-driven electrochemical direct synthesis of ammonia from nitrogen and water

OR058: BEDOGNI Federico (UniBO)

Life cycle assessment of a landfill leachate treatment plant

OR059: ROSSI Eleonora (UniBO)

Evaluating the environmental impact of methane-to-hydrogen catalytic processes: a life cycle assessment

OR060: CASOLI Lorenzo (UniToV)

ZnO – based Molecular Imprinted Polymers in pesticides detection: a novel, greener approach

OR061: SPANÒ Vanessa (UniCT)

Preparation, characterization, and applications of 4H-SiC porous flakes via the ECE process

OR062: FAGGIANO Antonio (UniSA)

Removal of CECs through pilot-scale Raceway Pond Reactor from municipal WWTP effluents by iron biochar assisted solar photo-Fenton processes

OR063: CAU Costantino (UniSS)

Reactivity comparison of Granite scraps and Red Mud towards CO₂ in mechanochemical processes

17:30 Session #7D Drug discovery and Biosensors - Sala Smeraldo-Rubino

Chair: Arianna Rossetti, co-chair: Isabella Romeo

OR064: COSTANZO Giuliana (UniCT)

Design, synthesis, and biological evaluation of new ligands as potential therapeutic agents for persistent pain treatment

OR065: FONTANA Anna (UniPV)

Castagnoli-Cushman reaction(CCR)-mediated synthesis of preferential HDAC6 inhibitors as modulators of idiopathic pulmonary fibrosis (IPF)-related fibrosis

OR066: BARONE Simona (UniNA)

Discovery of the first-in-class pyrazole-oxazole based synergistic antifungal agent

OR067: ANTONINI Giulia (UniMI)

Design, synthesis and biophysical evaluation of covalent ligands targeting a bacterial lectin

OR068: CIMMINO Wanda (UniNA)

Development of an electrochemical biosensor for miRNA detection encapsulated in lipid nanoparticles

OR069: KALLIGOSFYRI Panagiota (UniNA)

3D-printed electrochemical sensing device for on-field testing applications

OR070: MAURI Anna (USins)

Luminescent metal-organic frameworks for water remediation

OR071: MIGLIONE Antonella (UniNA)

Paper-based electrochemical sensor for the determination of hydrogen sulfide as biomarker for liquid biopsy

OR072: TRAVAGLIANTE Gabriele (UniCT)

Porphyrins as versatile probes and modulators of small nucleic acid structures

20:00 Dinner, theme of the night: Miti&Leggende - Ristorante Hotel Sporting

23:00 Disco Party - Coconut

FRIDAY, 15th November

9:00 Session #8A Green Chemistry - Sala Quarzo

Chair: Anna Dall'Anese, co-chair: Matteo Bonomo

OR073: MASETTI Andrea (UniBO)

Synthesis of mugineic acid family analogues as low cost and sustainable iron fertilizers for agriculture in poor soils

OR074: GRAPPA Rossella (UniNA)

Hybrid synthesis route for stable and swellable lignin nanoparticles

OR075: ROMANO Susanna (UniROMA3)

Dual-functionality starch film with conductive and antibacterial properties enabled by dicationic ionic liquid plasticizers for flexible electronics

OR076: RAIA Giovanna (UniPA)

Biomass valorization: Antioxidant Supramolecular Ionic Liquid Gels from Cellulose Acetate and Cellulose

OR077: VENEZIA Virginia (UniNA)

Humic acids as selective sorbents of precious metals from WEEE

OR078: ALCHERA Federica (UniTO)

Optimization of a natural three-component solvent mixture for the extraction of phenolic compounds from by-products

OR079: LEPORE Elison (UniCAM)

Cluster formation of water-based Deep Eutectic Solvents (aquoDESs) in water

OR080: FRATELLO Chiara (UniROMA1)

New solutions for the protection of concrete heritage by means of sustainable corrosion inhibitors and nanocarriers

9:00 Session #8B Health Science and Omics - Sala Giada

Chair: Flaminia Vincenti, co-chair: Angela Marotta

OR081: MARRETTA Laura (UniPA)

Exploring the interaction of novel ruthenium(II) polypyridyl complexes with G-Quadruplex structures in mitochondrial DNA

OR082: MERCORELLI Nicolò (UniBO)

Development of an engineered viral carrier for EGFR-targeted photodynamic therapy

OR083: TIBONI Mattia (UniUrb)

A spoonful of sugar helps the medicine go down: 3D printing in the era of personalized pharmaceuticals

OR084: VITALI Valentina (UniFI)

Unlocking the potential of ferritin-platinum bioconjugates: a novel approach to cancer therapy

OR085: ZINEDDU Stefano (UniFI)

Exploring the potential of metal-based compounds as antibacterial agents: the case of thioredoxin reductase from *Burkholderia cenocepacia*

OR086: BIAGINI Denise (UniPI) - *Winner of CHIMICAPISCE contest (Invited Speaker)*

Decoding Inflammation: The Exciting Challenge of Oxylipin Analysis

OR087: ALESSANDRONI Laura (UNICAM)

Data-independent acquisition proteomics for the discovery of chicken meat authenticity biomarkers: a study on breasts from two chicken strains raised under organic and antibiotic-free farming systems

OR088: GERI Andrea (UniFI)

Comprehensive proteomic analysis of auranofin and its halogen analogues in ovarian cancer A2780

9:00 Session #8C Smart Materials - Sala Zaffiro-Turchese

Chair: Fabio Pizzetti, co-chair: Matteo Sambucci

SP06: CASULA Elisa (Fluorsid)

LIFE-SYNFLUOR – Production of high purity synthetic calcium fluoride and precipitated silica using recovered fertilizer wastes

OR089: CLIMACO Immacolata (UniNA)

Multifunctional flame retardant shape recovery epoxy nanocomposites containing carbon dots

OR090: DEL GIUDICE Daniele (UniEIN)

Functional supramolecular polymers as artificial nucleases

OR091: SCORZONI Giorgia (UniBO)

Synthesis and characterization of new Rh-phosphine carbonyl clusters

OR092: Ivan Dacrema (National Institute of Chemistry in Ljubljana)

Degradation reaction of closo-borohydrides, an XPS study

OR093: CASTI Federico (UniCA)

Light responsive transparent wood as promising material for sustainable building integrated devices

OR094: DE NARDO Eugenio (PoliTO, IIT)

New insight on electrochemistry: PIMs as groundbreaking binding agents for a new era of energy applications

9:00 Session #8D Energy and Photochemistry - Sala Smeraldo-Rubino

Chair: Claudia Bonfio, co-chair: Marco Mendolicchio

OR095: PREVIATI Eleonora (PoliTO)

Polymerisable ligands: the route to phosphorescent Ir(III)-based metallapolymers

OR096: REVIGLIO Chiara (UniTO)

Electroluminescent copper(I) complexes for lighting applications

OR097: FRANZINI Marcello (UniTO)

Coordination polymers as high-performing counter-electrodes for DSSCs

OR098: PASCULLI Donato (UniTO)

Colorless And Transparent Dye Sensitized Solar Cells Based On NIR Dyes And Transparent Electrolytes

OR099: MACHADO DE ALENCAR Daniel Augusto (UniTO)

Novel Phenothiazine-modified PTAA Hole Transporting Materials for flexible Perovskite Solar Cells: a trade-off between performance and eco-friendliness

OR100: QUAGLIA Giulia (UniPG)

Sustainable photochemistry: investigation of green media to enhance the TTA-UC efficiency
OR101: QUARTA Valentina (UniPV)
Sunlight-driven photocatalytic H₂ production from biomass by sustainable TiO₂/magnetic zeolite composites

10:20 Coffee Break - Hall

10:50 Session #9

Chair: Ilaria Arduino, co-chair: Fabio Pizzetti

PL06: Prof. Stefano Salmaso (UniPD)

“Smart” drug nanocarriers with tailored core and surface

SP07: Merck

12:05 Awards

12.20 Closing ceremonies

12:35 Business Lunch – Ristorante Hotel Sporting

Flash list

- FL001: ERRICHELLO Giulia (UniPD)
- FL002: BALDASSIN Davide (UniVE)
- FL003: INICO Elisabetta (UniMiB)
- FL004: TOMMASI Matteo (UniMI)
- FL005: ITRI Giulia Maria (UniRC)
- FL006: TRIMBOLI Antonio Cosimo Pio (UniRC)
- FL007: FERRARO Giorgia (UniVE)
- FL008: BERTOCCHI Francesco (UniPR)
- FL009: MAGNAGHI Lisa Rita (UniPV)
- FL010: LAFACE Zoe (UniMI)
- FL011: NICCHIO Luca (UniPV)
- FL012: VENDITTI Jacopo (UniSI)
- FL013: CASSANO Lorenza (UniPV)
- FL014: VILLAMIL Valentina (UniMore)
- FL015: MILLI Giorgio (UniPV)
- FL016: SODANO Federica (UniNA)
- FL017: COLLEONI Alessio (UniMI)
- FL018: BILLI Chiara (UniNA)
- FL019: BALDI Andrea (UniFI)
- FL020: BOTTER Eleonora (UniVE)
- FL021: JIRITANO Antonio (UniCAL)
- FL022: VIADA Gabriele (UniTO)
- FL023: BRESSI Viviana (UniRC)
- FL024: MANCARELLA Federica (UniSA)
- FL025: CAROTTI Chiara (PoliMI)
- FL026: CARCAGNI Martina (PoliBA)

FL027: NEBBIOSO Viviana (UniNA)
FL028: MOUSAVI Mohammad Sadeq (UniSA)
FL029 - D'ANNA Luisa (UniPa)
FL030 - GUEMBE-GARCÍA Marta (UBU)
FL031 - MACCARI Chiara (UNIPR)
FL032 - DUCOLI Serena (UniBS)
FL033: GRAMEGNA ALICE (INSTM)
FL034: SALERNO Giorgia (UniMIB)
FL035: PAGANO Giorgio (UniRoma2)
FL036: CORNALE Michela (UniRoma2)
FL037: D'AURIA Martina (UniNA)
FL038: BUSTO Francesco (UniBA)
FL039: FABBIAN Simone (UniPD)
FL040: SODINI Andrea (UniFI)
FL041: BRIOSCHI Giulia (UniMI)
FL042: FOSSATI Alice (UniPV)
FL043: KASSOUF Nicholas (UNIBO)
FL044: PAVONE Sara (UniFI)
FL045: SCAPPATICCI Claudia (UnivAQ)
FL046: TUMMINELLI Elisabetta (UniPv)
FL047: NARDI Alberto (UniTO)
FL048:ALAMIA Federica (UniPA)
FL049: BATTISEGOLA Chiara (UniNA)
FL050: FAVA Marianna (UniSI)
FL051: BONO Alessia(UniPA)
FL052: FASSI Enrico Mario Alessandro (UniMI)
FL053: LOMBARDO Lisa (UniME)
FL054: MOLARO Maria Cristina (UniNA)

FL055: MERINGOLO Federica (UniCAL)
FL056: ARNAIZ Ana (UniBU)
FL057: BASSO Francesca (IIT, UniGE)
FL058: FREZZA Chiara (UniROMA3)
FL059: CAZZOLA Sara (UniPD)
FL060: LIOTINO Stefano (UniBA)
FL061: CAPPELLETTI David (UniPD)
FL062: ASTORINO Carmela (PoliTO)
FL063: MALTONI Pierfrancesco (UniGE)

Poster list

- POS001 - DI LIBERTO Giovanni (UniMiB)
- POS002 - FORNACIARI Charlotte (UniPV)
- POS003 - MOMOLI Caterina (UnivAQ)
- POS004 - SCIARRETTA Sara (UnivAQ)
- POS005 - TAGLIERI Francesco
- POS006 - BERGOMI Andrea (UniMI)
- POS007 - CINO Luigi (UniPA)
- POS008 - ROSELLI Vincenzo (UniBA)
- POS009 - STOCCHETTI Sara (UniCA)
- POS010 - RUSSO Ludovica (UniNA)
- POS011 - TONON Giovanni (UniVe)
- POS012 - MATTEUCCI Federica (UniCAM)
- POS013 - PETRAROLO Giovanni (UniPI)
- POS014 - PIERGENTILI Alessia (UNICAM)
- POS015 - PITASI Giovanna (UniMe)
- POS016 - GALLO Marica (UniNA)
- POS017 - HÖNER Janina Carolin (UniHAN)
- POS018 - CAREDDU Fabrizio (UniTO)
- POS019 - SERPICO Carmen (UniNA)
- POS020 - NOWAK Ylenia (CNR-ICCOM)
- POS021 - GRILLO Andrea (UniNA)
- POS022 - EMANUELE Manuel (UniNA)
- POS023 - BALOCCO Sara (UniNA)
- POS024 - ROHRBECK Pascal (MPIP)
- POS025 - SCHILLING Monja (HIU)
- POS026 - ARDUINO Ilaria (UniBA)
- POS027 - FIORE Ambra M. (PoliBA)

POS28 - SAMBUCCI Matteo (UniRM1)

POS29 - MAROTTA Angela (UniNA)

POS30 - ROMEO Isabella (UniMagnaGraecia)