Young Chemists' Symposium 2 0 1 9

Rimini (Italy) November 25th-27th, 2019



Conference programme





November 25th-27th, 2019 Rimini (Italy)



Conference Programme

MONDAY, November 25th

11:30 Registration and Check-in Conference desk (A)

14:30 Opening ceremony Sala Quarzo (A)

14:50 | Session #1 | Chair: Giannamaria ANNUNZIATO | Sala Quarzo (A)

PL01 - Gianluca SBARDELLA (UniSA)

Sympathy for the methyl: A library-on-library approach to identify small-molecule ligands of methyl-lysine reader proteins

OR01 - Leonardo BRUNETTI (UniBA)

Peroxisome Proliferator-Activated Receptor (PPAR) agonists as Fatty Acid Amide Hydrolase (FAAH) inhibitors: screening and preliminary structure-activity relationships

ORO2 - Letizia LAZZARO (IRBM)

Compound collection management: dynamic fully automated platform and operative workflow for high throughput screening

SP01 - Carlos RODRIGUEZ DEL RIO (Elsevier)

Using information solutions to understand the potential risks and control strategies of substances

Samuele STADERINI & Sara TORTORELLA

Comics&Science - The Periodic Issue

16:30 Coffee break American bar (A)

17:00 | **Session #2** – 4 parallel symposia

#2A Trends in Medicinal and Biological Chemistry **#1**

Sala Quarzo (A)

Chair: Elena LENCI

OR03 Alice SOLDÀ (TUM) - Label-free metabolic monitoring of

#2B Advances in Organic and Industrial Chemistry

Sala Ametista (A)

Chair: Federico BELLA

#2C Innovative Materials and Theoretical Insights

Sala Smeraldo (S)

Chair: Leonardo TRIGGIANI

OR24 Erica REBBA (UniTO) - Sustainable leather treatment: a

#2D Green Chemistry, Environment and Cultural Heritage

> Sala Rubino (S) Chair: Luca RIVOIRA

(A) Hotel Ambasciatori(S) Hotel Sporting

living cells by mid-infrared optoacoustic microscopy

OR04 Francesco BAVO (Un. Copenhagen) - New stilbeneammonium based nicotinic ligands: insights into alpha9-10 and alpha7 nAChRs responses

OR05 Valentina STRANIERO

(UniMI) - How to productively interact with FtsZ to block bacterial replication: a computational and SAR investigation for developing potent antimicrobials

OR06 Federica RAPETTI

(UniGE) - Synthesis and biological evaluation of new chemical entities in the GEBR library PDE4D inhibitors

OR07 Sebastiano

INTAGLIATA (UniCT) - Novel benzothiazolones and benzoxazolones-based σ receptor ligands: synthesis and preliminary pharmacological evaluation against allodynia

OR08 Angelo SPINELLO

(CNR-IOM) - Selective modulators of spliceosome-mutant cancers: a new frontier against hematologic malignancies

OR09 Elisa BONANDI (UniMI)

- (-)- anaferine: an unexpected encounter in a diversity-oriented approach

OR10 Simone GASTALDI

(UniTO) - Inhibition of NLRP3 ATPase activity: a new strategy to fight chronic inflammatory diseases

OR11 Daniela DOLCIAMI

(UniPG) - Multi-target strategy for the identification of IDO1/L-Kyn/AhR pathway modulators

OR12 Ettore GILARDONI

(UniMI) - Development and evaluation of the mechanism of

OR13 Tommaso TABANELLI

(UniBO) - Glycerol carbonate as an innovative alkylating agent for phenolics

OR14 Greta COLOMBO DUGONI (PoliMI) - Deep

Eutectic Solvent (DES): solvent and catalyst for the Henry reaction

OR15 Nicola ZAPPIMBULSO

(UniBA) - C-H Bond arylations of 1,2,3-triazoles by reusable Pd/C catalyst in solvent-free conditions

OR16 Francesco TADDEO

(UniNA) - About the kinetics of pelargonic acid esterification with 2-ethylhexanol

OR17 Jacopo CECCARELLI

(UniFI) - (2-Quinolyl) phenylmethanol: new applications as organocatalyst?

OR18 Sveva PELLICCIA

(UniNA) - Exploiting the Nitrogen nucleophilicity in interrupted Ugi reactions: from indoles to imidazopyrazines

OR19 Valerio ZULLO (UniPI) -

Synthesis of novel chiral ionic organic compounds from Isohexides as potential chiral selectors for Enantioselective Electroanalysis

OR20 Gianluca CASOTTI

(UniPI) - Enantioselective conjugate addition of stabilized arylzinc halides to enones

OR21 Carmelina ROSSANO

(UniNA) - Structure/property correlation in the heterogeneously catalyzed esterification of levulinic acid

OR22 Andrea CITARELLA

(UniME) - Direct and chemoselective synthesis of a,a-difluoromethylketones under

promise of nanomaterials as fireproofing auxiliaries

OR25 Mattia BARTOLI

(PoliTO) - Bioderived carbonaceous filler for conductive plastic materials production

OR26 Henry ADENUSI

(UniROMA1) - Exploring the structure and dynamics of a novel proton conducting system Aminotris(methylenephosphonic acid) (ATMP)

OR27 Demetra GIURI

(UniBO) - Supramolecular hydrogels based on L-DOPA for CaCO₃ crystals growth

OR28 Serena DE SANTIS

(UniROMA3) - Covalently modified titanium surface trough a combined click chemistry and Atom Transfer Radical Polymerization strategy

OR29 Claudio IMPARATO

(UniNA) - Effect of organic complexant and UV irradiation on the properties of amorphous TiO₂based thin films

OR30 Massimo DELL'EDERA

(UniBA) - TiO₂ nanoparticles deposition onto different substrates

OR31 Sebastian SOBOTTKA

(Freie Univ. Berlin) - Tuning Pt(II)-based donor-acceptor systems by ligand design and its influence on reactivity

OR32 Gioia MARRAZZINI

(SNS) - Role of polarization and Pauli repulsion effects in non-linear properties of solvated systems

OR33 Michele CUTINI

(UniTO) - Decomposing the forces driving the collagen triple helix wrapping

OR35 Elisabetta PARODI

(UniPI) - Challenges of biomass: valorization of the oil-seed pressing cakes

OR36 Rachele OSSOLA (ETH)

- Model compounds offer insights on the photodegradation mechanisms of complex natural mixtures: the case of dissolved organic sulfur

OR37 Giorgio RIZZO (UniBA)

- Silk fibroin from Bombyx mori cocoons: chemical approaches for tunable hydrophobic bioderived materials

OR38 Danny ZANARDO

(UniVE) - Technology meets tradition: photocatalysts development for self-cleaning Venetian marmorino

OR39 Andrea MEZZETTA

(UniPI) - Synthesis of bio-based ionic liquids for sustainable applications

OR40 Marta STUCCHI (UniMI)

- Catalytic systems for the selective transformation of levulinic acid to pentanediols

OR41 S. Somayeh TAGHAVI

(UniVE) - Catalytic transformation of glucose to levulinic acid by using micro meso HZSM5-HMS composites

OR42 Emanuele PORRU

(UniBO) - HPLC-MS/MS method for ancient bile acid profiling to characterize stool specimens in soil, mapping antique toilet in the archaeological area of Pompeii

OR43 Odeta CELAJ

(UniCAMPANIA) - Biological screening and 2D NMR-spectroscopic analysis of four Sardinian plants

OR44 Giorgio GRILLO

(UniTO) - Flow microwave-assisted alkyne semi-hydrogenation on

action of a carnosine derivative in oxidative stress-based diseases

FL01 Shiva TALI SHANDIZ (UniPG) - Exploring FXR selectivity: Design, synthesis and characterization of C19-OH-chenodeoxycholic acid

FL02 Federica SODANO

(UniTO) - Combination of PDT and NOPDT with a tailored BODIPY derivative induces an amplified anticancer activity

FL03 Lorenzo CALUGI (UniFI)

- Design and synthesis of BACE1 inhibitors for the treatment of Alzheimer's Disease

FL04 Serena VITTORIO

(UniME) - In silico screening for the discovery of new a-synuclein aggregation inhibitors

FL05 Alessandra RICCIO

(UniPG) - Insights into molecular recognition of PD-1/PD-L1 inhibitors combining in silico and biophysical methods

FL06 Elena MARTINO (UniTO)

- Synthesis of [18F]Brequinar as PET Imaging probes for human dihydroorotate dehydrogenase

FL07 Francesca ANNUNZIATA (UniMI) - An innovative synthesis of the antiviral Vidarabine through the dual use of flow chemistry and biocatalysis

FL08 Chiara VIGATO (UniTO)

- Application of an in house bioisosteric approach to the design of innovative inhibitors of aldo-keto reductase 1C3 (AKR1C3)

FL09 Emma BAGLINI (UniPI)

- Indazolyl-N-arylbenzene sulfonamides and quinazolinyl- Narylbenzenesulfonamides as carbonic anhydrase inhibitors transfer of difluoromethyl (CHF₂) Unit

OR23 Marco BALLAROTTO

(UniPG) - Deep eutectic solvents as active reaction media for the aza-Michael addition of amines to 2vinylpyridine

FL11 Debora CHIODI (UniPV)

- Oxo-Re(V) promoted catalytic biomimetic cyclization

FL12 Delio SANTALUCIA

(UniPI) - Advances in the enantioselective organocatalyzed a-azidation of 2-oxindoles derivatives

FL13 Francesco NICOLETTI

(UniPG) - Use of deep eutectic solvents for the Belousov-Zhabotinsky reaction

FL14 Martina DE ANGELIS

(UniROMA1) - Stereocontrolled synthesis of pyrrolidine iminosugars through asymmetric dihydroxylation reaction

FL15 Daniel PECORARI

(UniBO) - Central-to-Axial chirality conversion: a DFT evaluation of the oxidative atroposelectivity from enantioselective Povarov cycloaddition

FL16 Junshan LAI (ICIQ) -

Immobilization of cis-4hydroxydiphenylprolinol silyl ethers onto polystyrene. application in the catalytic enantioselective synthesis of 5-hydroxyisoxazolidines in batch and flow

OR34 Alessandro LANDI

(UniSA) - Efficient prediction of coherent long-distance charge transport in DNA

FL17 Beatrice BARTOLOMEI

(UniPG) - Designing new artificial neuron models for neuromorphic engineering

FL18 Fabio SANTANNI

(UniFI) - Hydrogen-free macrocyclic ligands for the synthesis of a new class of potential molecular spin-qubits linked on solid matrices

FL19 Fabio BUONSENSO

(UniROMA1) - An innovative method for quantification of basic sites

FL20 Laura CAGGIU (UniSS) -

A new thiospinel, MgCr₂S₄, prepared by Self- sustaining reaction (MSR) induced by ball milling

FL21 Maria Chiara GULLO

(UniPR) - Solid state supramolecular architectures based on calixarenes and halogen bond

FL22 Ludovica PRIMITIVO

(UniROMA1) - Immobilization of ephedrine-based ligands on magnetic nanoparticles for applications in heterogeneous phase asymmetric catalysis

FL23 Francesca COLÒ

(PoliTO) - Enables: European infrastructure powering the internet of things

alumina sonochemical loaded Pd nanoparticles

FL24 Silvia FRATERRIGO GAROFALO (PoliTO) -

Determination and qualitative characterization of microplastics in Ocean Arctic waters

FL25 Riccardo DESTEFANO

(Exenia Group) - Supercritical CO₂ extract of Commiphora myrrha on a pilot scale focused on sesquiterpenes

FL26 Daniele URBANI (UniFE)

- Selective air-photooxidation of sulfides to sulfoxides: a green approach

FL27 Giulia COSTAMAGNA

(UniTO) - Innovative materials for As(III) and As(V) removal in water treatment

FL28 Ilaria LANGASCO

(UniSS) - Sprinkler irrigation: a golden bullet to minimize the bioaccumulation of As and Cd in rice grain?

FL29 Daniela CAPUTO

(UniBA) - Preparation of biowax esters in continuous flow conditions

FL30 Elisa MARUCCIA

(PoliTO) - Tuning mesoporous carbon materials with nitrogen content for CO₂ up-take

FL31 Riccardo SEMPROLI

(UniPV) - A new synthesis of (S)-1-(5-fluoropyrimidin-2-yl)-ethanamine catalyzed by immobilized ω -transaminase from Vibrio fluvialis under flow and green conditions

FL32 Federico CAPPELLINI

(UniPG) - Novel hydrophobic Deep Eutectic Solvents (DESs) as green water-separable extraction and reaction media

	FL10 Andrea CORVINO (UniCAMPANIA) - NMR structural characterization of PHOX-2B					
19:40	Free time Authors of PO01-25 and FL01-32 must hang their poster in Sala Ametista (A)					
20:30	SCI Social dinner Dress code: Smart elegance		Sala To	Sala Topazio (S)		
22:00	Session #3 - Posters & drinks Authors of PO01-25 and FL01-32 will present their poster First drink offered by SCI Giovani Sala Ametista (A)			metista (A)		
TUESD	AY, November 26 th					
7:30	Breakfast			In your hotel		
9:15	Session #4 Chair: Michele SCHLICH PLO2 - Simona MURA (CNRS) Application of nanotechnology to medicine: novel approaches and barriers to cross OR45 - Eleonora COLOMBO (UniMI) Betulinic acid based self-assembled nanoparticles for cancer therapy OR46 - Patrizia Nadia HANIEH (UniROMA1) "Soft" nanocarries for effective brain delivery and targeting SPO2 - Manuela VACATELLO (Merck) New tools for Medicinal Chemistry					
10:45	Cerimonia assegnazione "Pr	a assegnazione "Premio Primo Levi 2018"				
11:00	Coffee break Authors of PO01-25 and FL01-32 must remove their poster from Sala Ametista (A) Authors of PO26-55 and FL33-59 must hang their poster in Sala Ametista (A)					
11:30	Session #5 – 4 parallel symposia					
	#5A Trends in Medicinal and Biological Chemistry #2 Sala Quarzo (A) Chair: Claudia BONFIO	#5B (Nano)Materials for Health Sala Ametista (A) Chair: Valentina LAZAZZARA	#5C Chemistry for Energy and Technological Devices Sala Smeraldo (S) Chair: Alice SOLDÀ	#5D Sensors and Analytical Methods Sala Rubino (S) Chair: Stefano CINTI		

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OR61 Chiara Liliana

BOLDRINI (UniMIB) - From

OR70 Vincenzo

MAZZARACCHIO (UniROMA2)

OR54 Stefano VALENTE

(UniTS) - Hybrid nanoparticles for

OR47 Silvia HOLLER (UniTN) -

Droplet-based synthetic biology:

chemotaxis and interface with biology

OR48 Ilaria ROSSETTI

(IRBM) - Epigenetic toolbox: novel non-hydroxamic HDAC3 isoform selective inhibitors

OR49 Denise BELLOTTI

(UniFE) - Study of Cu(II) and Zn(II) interaction with the metal binding domain of ZinT protein

OR50 Paola COSTANZO

(UniCZ) - Design, synthesis and evaluation of novel donepezil-hydroxytyrosol hybrids compounds against Alzheimer's disease

OR51 Sara TORTORELLA (Molecular Horizon) - Spatial metabolomics for biomarkers discovery

OR52 Mariagrazia RULLO

(UniBA) - Fluorinated coumarinbased MTDLs against Alzheimer's disease

OR53 Dario CORBISIERO

(UniBO) - From peptidomimetics to smart molecular shuttles: development of reporting drug delivery system (RDDS)

FL33 Giada RIGHETTI

(UniGE) - Computationally driven design and chemical synthesis of a novel library of VX-809 hybrids derivatives as F508del-CFTR correctors

FL34 Ivan HAWALA (UniTO) -

Innovative synthetic approach based on the native chemical ligation for development of new dual PET/OI peptide imaging probes

FL35 Marco RABUFFETTI

(UniMI) - Purine nucleotides as potential ligands of G protein-coupled receptor 17 (GPR17): molecular modelling and synthesis

theranostics: exploring the SPIO@polymer combination

OR55 Maria Sole BURALI

(UniPG) - Chemical functionalization of pyridobenzothiazolones scaffold led to compounds with promising antiviral activity: insight on the mechanism of action

OR56 Valentina PIOTTO

(UniPD) - Magnetophoresis study of magnetic nanoparticles and their coupling with plasmonic nanoparticles for biomedical application

OR57 Wanda CELENTANO

(PoliMI) - Complex macromolecular design for applications in nanomedicine

OR58 Mariacristina FAILLA

(UniTO) - New hybrid NO-donor photosensitizers for photodynamic therapy activable in the NIR region

OR59 Umberto Maria

MUSAZZI (UniMI) - Hot-melt Ram extrusion 3D printing: a versatile method for tailor-made orodispersible films

OR60 Lorenzo DE VITA

(UniPV) - Nanocomposite PVA films as wound healing material

FL42 Martina TRIPEPI

(UniTO) - Giant Unilamellar Vesicles (GUVs) as highly sensitive MRI contrast agents

FL43 Salvatore MIRABILE

(UniME) - 1-Benzylpiperidine derivatives: design and synthesis of new compounds as tyrosinase inhibitors from Agaricus bisporus

FL44 Noemi VILLELLA

(UniTO) - Design, synthesis and co-crystallization of new Plasmodium falciparum dihydroorotate

sugar to electricity: dye-sensitized solar cells based on eco-friendly sugar-based deep eutectic solvent electrolyte solutions

OR62 Lucia FAGIOLARI

(**PoliTO**) - TiO₂-photoanodes from unconventional pastes for aqueous dve-sensitized solar cells

OR63 Cristina DECAVOLI

(UniMIB) - Design of organic based dye-catalyst systems for photoelectrochemical solar fuels

OR64 Giulia MARAFON

(UniPD) - Engineered organic nanowire via nucleobases-pairing supramolecular recognition

OR65 Lorenzo POGGINI

(UniFI) - Surface effects on a photochromic spin-crossover iron(II) molecular switch sublimate on different surfaces

OR66 Elisa MUSELLA (UniBO)

- Electrochemical approach for the production of layered double hydroxides with a well-defined Co/Me(III) ratio for oxygen evolution reaction

OR67 Arianna MASSARO

(UniNA) - Graphene-MoS₂ 2D heterostructure as electrode for Naion batteries: new insights from first-principles calculations

OR68 Ilaria RAGAZZINI

(UniBO) - PANI/Au/Fe₃O₄ nanocomposite materials for high performance electrochemical capacitors

OR69 Fabrizio POLETTI

(UniMORE) - Graphene oxide derivatives for wearable sensing

FL51 Carmen COPPOLA

(UniSI) - In silico design of novel organic hole transport materials for perovskite solar cells

- A printed miniaturized all-solid state ion-selective electrode for Na⁺ monitoring in sweat

OR71 Sara REBECCANI (UniBO) -

Electrochemiluminescence microscopy: a powerful analytical technique for sensor applications

OR72 Lisa Rita MAGNAGHI

(UniPV) - Colorimetric sensors for monitoring, modelling and comparing spoilage processes of different meats

OR73 Simona FELLETTI

(UniFE) - On the effect of mobile phase composition on thermodynamic properties of zwitterionic teicoplanin-based 2-µm superficially porous particles

OR74 Veronica BALDONESCHI (UniFI) -

Polynorepinephrine as alternative to polydopamine for molecularly imprinted optical biosensors

OR75 Rocco CANCELLIERE

(UniROMA2) - A label free screen printed-based immunosensor for the detection of aflatoxin B1 in real matrix sample

OR76 Maila BECCONI (UniBO)

- Scanning ElectroChemical Microscopy investigation of 3D bioprinted cellular models

OR77 Chiara DE LUCA (UniFE)

- From preparative batch chromatography to a 2-column Multicolumn Countercurrent Solvent Gradient Purification process for a peptide purification

FL54 Veronica CARATELLI (UniROMA2) - SNAPtide-based sensor for botulinum neurotoxin detection

FL36 Fabio SCHIFANO (IUSS)

- Coordination of an alpha-synuclein c-terminal fragment to non-heme iron: effect on dopamine oxidation and oxidative stress

FL37 Andrea MAMMOLI

(UniPG) - Exploring the conformational space of IDO1 with the available experimental data in PDB

FL38 Deborah PALAZZOTTI

(UniPG) - Exploring the substrate-Staphylococcus aureus NorA efflux pump recognition pathway through a Supervised Molecular Dynamics approach

FL39 Kelly BUGATTI (UniPR) -

Towards new small-molecule peptidomimetics as selective aVb6 integrin ligands

FL40 Andrea GALBIATI

(UniMI) - Development of novel 7-Deazahypoxanthine derivatives as potential antitripanosomal agents

FL41 Giulia DE SIMONE

(UniTO) - Preliminary ADME/PK studies of new hDHODH inhibitors effective for treatment of acute myeloid leukaemia (AML) dehydrogenase inhibitors based on hydroxypyrazole scaffold

FL45 Rosangela SANTALUCIA

(UniTO) - Hydrogen cyanide adsorption and reactivity on TiO₂ nanoparticles

FL46 Guillermo ESCOLANO-CASADO (UniTO) - Highly

oriented enamel-like hydroxyapatite nanorods: the effect of citrates on the structure and surface properties

FL47 Dario TELESE (UniBO) -

Synthon-approach starting from amino-azaheterocycles to obtain new compounds with potential antiproliferative activity

FL48 Federico CAPUANA

(UniTO) - A novel tetrameric gadolinum-based contrast agent for molecular imaging of tropoelastin by MRI

FL49 Mara RUSSO (UniFE) -

Different setups of ascorbic acid acellular assay for measuring PM oxidative stress potential

FL50 Lorenzo PALAGI

(UniTO) - Towards new concepts in the design of Gadolinium based magnetic resonance contrast agents

FL52 Giacomo FORTI (UniPV)

- Sustainable synthesis of nonfullerene acceptors for bulk heterojunction solar cells

FL53 Marisa FALCO (PoliTO) -

Si-DRIVE: European Li-ion battery technology for Electric Vehicles

FL55 Camilla ZANONI

(UniPV) - Deferoxamine and a trishydroxypyridinone ligand (KC18) as receptors in new polymeric devices for Fe(III) sensing

FL56 Francesca TORRINI

(UniFI) - Molecular imprinting as a new bioanalytical tool for small peptide hormones detection in the anti-doping field

FL57 Enrica MECARELLI

(UniTO) - Characterization and quantification of endogenous proteins and peptides with Nano-LC-HRMS in biological fluids and tissues

FL58 Silvia RADREZZA

(UniMI) - Hyaluronic acid at low-molecular-weight in human dermal fibroblasts: study by LC-MS/MS quantitative proteomics

FL59 Giovanni RIBAUDO

(UniBS) - Probing the selective binding of small molecules to Gquadruplex DNA by mass spectrometry

13:30 Business lunch

14:40

Session #6 Chair: Luca RIVOIRA

SP03 - DJ Donn MATIENZO (Industrie De Nora)

Metal oxide and perovskites in industrial coating matrix for electrochemical water splitting

SP04 - Elena HERZOG (Elsevier)

The Value of Academic-Industrial Collaborations: Reaxys Research and Development (R&D) Network

SP05 - Roberta COSTANTINI & Federica LADOGANA (Merck)

Come preparare un buon CV e come affrontare un'intervista di successo in un'azienda privata

OR78 - Eleonora MACCHIA (Abo Akademi)

Selective single-molecule detection of clinically relevant biomarkers with an organic transistor

Sala Topazio (S)

Sala Quarzo (A)

	OR79 – Luka ĐORĐEVIĆ (Northwestern Univ.) Self-assembled organic nanostructures for photocatalytic CO ₂ -to-CH ₄ reduction OR80 – Serena BERTONI (UniBO) pH and reactive oxygen species-sequential responsive nano-in-micro composite for targeted therapy of inflammatory bowel disease OR81 – Stefano CRESPI (Groningen Univ.) Tuning the thermal isomerization of phenylazoindole photoswitches from days to nanoseconds				
17:00	Session #7 - Posters & coffee Authors of PO26-55 and FL33-59 will present their poster - Coffee provided!	Sala Ametista (A)			
18:00	Session #8 Chair: Marta DA PIAN OR82 - Carla RIZZO (UniPA) Fluorescent naphthalimide-imidazolium hydrogels for biomedical applications OR83 - Gianluigi ALBANO (UniPI) Circularly polarized luminescence and electroluminescence in thin films of novel cha-conjugated oligomers OR84 - Marco CARLOTTI (IIT-Pisa) Functional materials for 3D direct laser writing (sub)microprinting OR85 - Gabriele CARULLO (UniCAL) Pinocembrin-GPR120: a new couple in wound healing drug discovery	Sala Quarzo (A)			
18:50	Assemblea dei Soci del Gruppo Giovani	Sala Quarzo (A)			
19:50	Free time Authors of PO26-55 and FL33-59 must remove their poster from Sala Ametista				
20:50	Merck Social dinner Dress code: Glam party style	Sala Topazio (S)			
23:00	SCI Giovani Exclusive Disco Party First cocktail offered by SCI Giovani	Coconuts Club			

WEDNESDAY, November 27th

7:30	Breakfast Rooms must be left strictly before 9:00! Luggage can be left at the reception	In your hotel			
9:15	Session #9 Chair: Matteo ATZORI PL03 - Silvia GROSS (UniPD) Sustainable low temperature wet-chemistry routes for inorganic nanomaterials: state of the art	Sala Quarzo (A)			
	SP06 - Marta DA PIAN (Elsevier) Mentoring young researchers: the Elsevier's role SP07 - Alice SOLDÀ (EYCN) EYCN - The European Young Chemists' Network				
	OR86 – Stefano SAINAS (UniTO) Synthesis, physiochemical proprieties and application of hydroxyazole systems as carboxylic acid OR87 – Claudio FERDEGHINI (UniPI) Ionic liquids from steroids: a total synthesis approach	d isoster			
11:00	Group picture				
11:10	Coffee break	American bar (A)			
11:40	Session #10 Chair: Emilia PAONE PL04 - Fabrizio CAVANI (UniBO) The heritage of an East side story: bio-olefins for a more sustainable chemical industry OR88 - Federico V. ROSSI (UniCAM) Amines PEGylation via Ruthenium-catalyzed hydrogen borrowing synthesis OR89 - Linda LEONE (UniNA) Site-selective indole oxidation promoted by a peptide-based Mn-porphyrin catalyst OR90 - Eleonora MONTI (UniBO)	Sala Quarzo (A)			
	Oxidation of Glucose to Glucaric acid using gold-based catalysts				
13:00	Closing ceremony Merck / SCI / EYCN awards for best poster, flash and oral communications!	Sala Quarzo (A)			
13:30	Business lunch	Sala Topazio (S)			

List of poster contributions

Session #3 - Posters & drinks (Monday, 10 PM, Sala Ametista (A))

PO01 Marta ALBERTI (UniTO) Improvement of in vivo pharmacokinetic profile of M433, a potent and innovative hDHODH inhibitor

PO02 Rebecca APPIANI (UniMI) One-pot reductive amination of carbonyl compounds with a recyclable catalyst and sodium borohydride

PO03 Claudia ARDINO (UniSI) Targeting the viral envelope: synthesis and biological evaluation of novel broad-spectrum antivirals

PO04 Matteo ATZORI (Univ. Grenoble Alpes-CNRS) Strong magneto-chiral dichroism in enantiopure chiral molecule-based magnets

PO05 Andrea BALDI (UniFE) Plastic ingestion by the mediterranean scyliorhinus canicula

PO06 Lorenzo Jacopo BALESTRI (UniSI) *Macrocyclic amidinourea: A novel synthetic strategy for BM1 through a Fukuyama tri-protected polyamine intermediate*

PO07 Luisa BAUDINO (PoliTO) Tuning of physical-chemical properties of TiO₂ nanotubes for multifunctional applications

PO08 Federico BELLA (PoliTO) *Poly(glycidyl ether)s recycling from industrial waste and reuse as electrolytes for sodium batteries*

PO09 Irene BRUSA (UniBO) Hit optimization for the development of novel ubiquitin-ligase RNF5 inhibitors as therapeutic strategy in cystic fibrosis

PO10 Federica CAPONE (UniPV) Beyond expiration date: naked eye device for milk freshness

PO11 Alice CAPPITTI (UniFI) New innovative materials from renewable resources

PO12 Matteo CAPRIOLI (PoliTO) DLP 3D-printed self-healing hydrogels

PO13 Alessia CASO (UniNA) Smenamide F and G: detection using molecular networking, isolation and stereostructural elucidation

PO14 Michele CASTIGLIONI (UniTO) Characterization of biochar samples as media for water filtration

PO15 Rosella CRISAFULLI (UniSS) Chemical modifications of waste cooking oil (WCO) for the production of biolubricants

PO16 Carlo Nazareno DIBENEDETTO (UniBA) Spectroscopic investigation of coupled QDs dimers

PO17 Germana ESPOSITO (UniNA) Combined LC-MS/MS and Molecular Networking approach as powerful tool for a fast detection of new lead compounds

PO18 Luca FIORE (UniROMA2) Wearable sensor for pH measurement in sweat samples

PO19 Marina FRANCA (UniPD) Sustainable low-temperature hydrothermal synthesis of ternary and quaternary transition metal ferrites

PO20 Silvia GIORGI (UniFI) Crosslinkers for gels and adhesives formulations

PO21 Alejandro GÓMEZ GARCÍA (UniTO) In silico study of NLRP3: towards selective inhibition with small molecules

PO22 Valentina LAZAZZARA (Fondazione E. Mach) *Downy mildew symptoms on grapevine can be reduced by volatile organic compounds of Trichoderma spp.*

PO23 Elena LENCI (UniFI) Design and synthesis of highly potent and selective d-proline-based MMP2 inhibitors

PO24 Gabriele LUPIDI (UniCAM) Antioxidant-enriched bio-based polycarbonate for food packaging

PO25 Antonio MACCHIA (UniSA) Synthesis of 2-arylbenzonitriles and their reactivity in tandem reactions with carbon nucleophiles and UV studies on aromatic electrophilicity based on Mayr equation

Session #7 - Posters & coffee (Tuesday, 5 PM, Sala Ametista (A))

PO26 Roberto MANDRIOLI (UniBO) VAMS microsampling and DPX sample pretreatment coupled to mass spectrometry for drugs of abuse testing in biological matrices

- **PO27 Camilla MARASCA** (UniBO) Characterisation of bioactive compounds in wine by-products: toward the valorisation of sustainable resources
- PO28 Paola MARZULLO (UniMI) Chemical behavior of Maytansinol: an intriguing building block
- PO29 Marco MASPERO (UniMI) Novel PET radiotracer for imaging of CREB binding protein in fibrotic tissue
- **PO30 Margherita MASTROMARINO** (UniBA) Formyl peptide receptor 2 agonists for the treatment of neurodegenerative diseases
- PO31 Mariachiara MICELI (UniRC) Transfer hydrogenolysis of Benzyl Phenyl Ether promoted by Ni-HBEA-75 zeolite
- **PO32 Filippo MONCALVO** (PoliMI) Nanosized delivery systems for therapeutic proteins: a 'grafting from' approach.
- **PO33 Luca NUVOLI** (UniSS) Study of the effects induced by the ball milling treatment on different types of hydrocolloids in a starch-based system
- **PO34 Alberto ONGARO** (UniBS) Design and synthesis of small molecules targeting specific DNA arrangements
- **PO35 Emilia PAONE** (UniRC) Transfer hydrogenolysis of lignin and its derived aromatic ethers promoted by the bimetallic Pd-based catalyst
- **PO36 Paolina PASCALICCHIO** (UniBO) Pretreatment and chemical characterization of cigarette butts for recycling
- **PO37 Francesca PICARAZZI** (UniSI) *In silico intermolecular recognition between 14-3-3ζ/SOS1 and small molecule stabilizers*
- **PO38 Cecilia PINNA** (UniMI) Biocatalyzed oxidations in continuous flow reactors and their application in the synthesis of Captopril
- **PO39 Federica POGGIALINI** (UniSI) Evaluation of in vitro and in vivo pharmacokinetics of novel broad-spectrum antiviral compounds against enveloped viruses
- **PO40 Riccardo POLESE** (UniSS) Low impact acetalization reactions
- **PO41 Venanzio RAGLIONE** (UniROMA1) Synthesis of new organocatalysts derived from bile acids and their use in aqueous solvent
- **PO42 Luca RIVOIRA** (UniTO) Optimization of analytical protocols for the determination of microplastics in marine sediments and oysters
- **PO43 Giacomo ROSSINO** (UniPV) Bivalent ligands of Sigma-1 receptor (S1R) as a tool for studying the oligomerization process
- PO44 Stefano SANGIORGI (UniBO) Chemical evaluation of Tobacco Heating System
- **PO45 Antonella SATIRA** (UniRC) Catalytic conversion of levulinic acid into γ-valerolactone under transfer hydrogenation conditions
- **PO46 Silvia SCARPATO** (UniNA) MS-based molecular networking leads to the identification of a new cyclic heptapeptide from the sponge Stylissa caribica
- **PO47 Rosalinda SCIACCA** (UniBO) *Iron oxide/OxyHydroxide thin films: electrochemical studies*
- PO48 Samuele STADERINI (CNR-ICCOM) Comics&Science: what a tool for chemical dissemination
- PO49 Lorenzo SUIGO (UniMI) Study of isosteric substitutions of the 1,4-benzodioxane oxygen atoms in benzamides FtsZ inhibitors
- **PO50 Emanuele TERRANOVA** (UniTO) Application of an electro-activated glassy-carbon electrode to the determination of Diclofenac in water solution
- **PO51 Sebastiano TIEULI** (UniVE) LCA, LCC and socio-economic impact on GOAST- Green Organic Agents for Sustainable Tanneries-project
- PO52 Veronica TORRESAN (UniPD) Synthesis of alloy NPs by laser ablation and investigation of their properties for biomedical imaging
- PO53 Mauro TRAPANI (UniPI) ElementaLe Watson! Alla scoperta della tavola periodica

 PO54 Marianosaria TUCCILLO (CNR ISC). Ala initio study of Li rich layored transition metal.
- **PO54 Mariarosaria TUCCILLO** (CNR ISC) Ab initio study of Li-rich layered transition metal oxides as positive electrodes in Li-ion batteries
- **PO55 Vitantonio VALENZANO** (UniSALENTO) Unexpected reactivity of methylammonium and formamidinium in aged organometal halide perovskites solution