

**Programma dei LAVORI di DIVISIONE - 15 settembre mattina****Divisione CHIMICA DELL'AMBIENTE E DEI BENI CULTURALI (ABC)****ABC 01**

09.30-09.35		<b>Antonio Marcomini</b>	<i>Opening</i>
09.35-10.00	<b>ABC IL001</b>	<b>Demetrios Anglos</b>	<i>Exploring heritage materials and objects via laser spectroscopies</i>
10.00-10.15	<b>ABC OR001</b>	<b>Gianluigi de Gennaro</b>	<i>Sars-CoV-2 airborne transmission: indoor and outdoor implications</i>
10.15-10.30	<b>ABC OR002</b>	<b>Eleonora Balliana</b>	<i>Silk and sanitizing solutions: the need to protect visitor and artworks</i>
10.30-10.45	<b>ABC OR003</b>	<b>Luca Ciacci</b>	<i>Combining the highest degradation efficiency with the lowest environmental impact in zinc oxide based photocatalytic systems</i>
10.45-11.00	<b>ABC OR004</b>	<b>Cecilia Velino</b>	<i>PROCRAFT project: conservation strategies of aircraft heritage from excavation to museum</i>
11.00-11.30	<b>break</b>		
11.30-11.45	<b>ABC OR005</b>	<b>Luca Ferrero</b>	<i>Airborne microplastics over the Baltic: influence of sea emissions</i>
11.45-12.00	<b>ABC OR006</b>	<b>Alessandra Bigogno</b>	<i>An indoor air pollution evaluation of the Quarto Stato museum</i>
12.00-12.15	<b>ABC OR007</b>	<b>Elena Badetti</b>	<i>Grafting on metal oxide nanoparticles surface reduces the toxicity of catechols</i>
12.15-12.30	<b>ABC OR008</b>	<b>Alessandro Ciccola</b>	<i>The new shades of the XX century: investigation of ACNA dyes through Raman spectroscopy and HPLC-MS</i>
12.30-12.45	<b>ABC OR009</b>	<b>Angelo Fenti</b>	<i>In Situ Electrochemical Oxidation for Destructive Treatment of PFAS</i>
12.45-13.00	<b>ABC OR010</b>	<b>Sabina Licen</b>	<i>Data fusion techniques based on Self-Organizing Map algorithm for the integration of different source/frequency instrumental data and ancillary information for environmental impact assessment</i>

**Divisione CHIMICA FARMACEUTICA (FAR)****FAR 01**

09.30 - 10.00	<b>FAR KN001</b>	<b>Giuseppe Campiani</b>	<i>Old but Gold: tracking the new guise of histone deacetylases as biomarkers and therapeutic targets in rare diseases. The role of isoform 6</i>
10.00 - 10.30	<b>FAR KN002</b>	<b>György M. Keserű</b>	<i>The role of the secondary binding pocket in GPCR pharmacology</i>
10.30 - 10.45	<b>FAR OR001</b>	<b>Agnese Pippione</b>	<i>Targeting prostate cancer with multiple-targeting ligands: activity on both AKR1C3 enzyme and androgen receptor</i>

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10.45 - 11.00	<b>FAR OR002</b>	<b>Andrea Spinaci</b>	<i>Synthesis and characterization of new A3 adenosine receptors ligands as potential anti-cancer agents</i>
11.00 - 11.15	<b>break</b>		
11.15 - 11.45	<b>FAR KN003</b>	<b>Tracey Pirali</b>	<i>The power of multi-component reactions in drug discovery: soft drugs, PROTACs and more</i>
11.45 - 12.00	<b>FAR OR005</b>	<b>Simona Musella</b>	<i>Identification and characterization of a potent TRPM8 antagonists with in vivo analgesic properties</i>
12.00 - 12.15	<b>FAR OR006</b>	<b>Letizia Crocetti</b>	<i>Synthesis of pyrazolo[1,5-a]quinazolines as ligand of <math>\alpha 1\beta 3\gamma 2</math>-GABAA receptor subtype and molecular modelling studies</i>
12.15 - 12.30	<b>FAR OR007</b>	<b>Carmine Ostacolo</b>	<i>Discovery of CP86, a potent neuronal Kv7 channel activator with in vivo anticonvulsant effects</i>
12.30 - 13.00	<b>FAR KN004</b>	<b>Marco Radi</b>	<i>Navigating the antiviral drug discovery space: exploring different routes toward new broad-spectrum agents</i>

**FAR 02**

10.30 - 10.45	<b>FAR OR003</b>	<b>Francesca Musumeci</b>	<i>Design, synthesis, and biological evaluation of a new series of pyrazolo[3,4-d]pyrimidines active as SGK1 inhibitors. A lead optimization study</i>
10.45 - 11.00	<b>FAR OR004</b>	<b>Giuseppe La Regina</b>	<i>New pyrroles derivatives as anti-glioblastoma and anti-chronic myeloid leukemia agents</i>
11.00 - 11.45	<b>break</b>		
11.45 - 12.00	<b>FAR OR008</b>	<b>Laura Scalvini</b>	<i>N-Acylethanolamine acid amidase (NAAA): mechanism of palmitoylethanolamide hydrolysis revealed by mechanistic simulations</i>
12.00 - 12.15	<b>FAR OR009</b>	<b>Leonardo Brunetti</b>	<i>Multiple causes, multiple targets: FAAH as a centerpiece for therapy of multifactorial pathologies</i>
12.15 - 12.30	<b>FAR OR010</b>	<b>Rita Turnaturi</b>	<i>Influence of the N-substituent of (-)-cis-N-Normetazocine in the modulation of the functional profile at MOR, DOR and KOR: from agonist to antagonist through multitarget ligands</i>

**Divisione CHIMICA FISICA (FIS)****FIS 01*****Physical chemistry for Nanomaterials I***

09:30-10:00	<b>FIS KN001</b>	<b>Marco Laurati</b>	<i>Blunt-end driven assembly of star-like dsDNA coated colloids</i>
10:00-10:15	<b>FIS OR001</b>	<b>Carlo Nazzareno Dibenedetto</b>	<i>Fabrication and spectroscopic investigation of Quantum Dots dimers</i>
10:15-10:30	<b>FIS OR002</b>	<b>Giovanni LiDestri</b>	<i>Forces between nanoparticles at the air/water interface: the role of the ligand chain length</i>
10:30-10:45	<b>FIS OR003</b>	<b>Davide Peddis</b>	<i>Interplay between inter- and intraparticle interactions in bi-magnetic core/shell nanoparticles</i>
10:45-11:00	<b>FIS OR004</b>	<b>Maryam Abdolrahimi</b>	<i>XAS Study of Molecular Coated Manganese Zinc Ferrite Nanoparticles</i>
11:00-11:15	<b>FIS OR005</b>	<b>Sawssen Slimani</b>	<i>Hybrid Spinel Iron Oxide Nanoarchitecture Combining Crystalline and Amorphous Parent Material</i>
11:15-11:30	<b>FIS OR006</b>	<b>Marco Fabbiani</b>	<i>Porous materials for hybrid functional nanocomposites: metal and organic nanowires confined in zeolites and mesoporous silica</i>
11.30-11.45	<b>break</b>		

***Physical chemistry for Nanomaterials II***

11:45-12:00	<b>FIS OR007</b>	<b>Grazia ML Messina</b>	<i>Surfactant vesicles and polysaccharides interactions with cellulose nanocrystals</i>
12:00_12:15	<b>FIS OR008</b>	<b>Simona Ricci</b>	<i>Highly efficient green inkjet printed nanostructured electrodes and SERS substrates</i>
12:15-12:30	<b>FIS OR009</b>	<b>Marcello Condorelli</b>	<i>Ag nanoflowers as single particle SERS active platform</i>
12:30-12:45	<b>FIS OR010</b>	<b>Valentina Mamei</b>	<i><sup>57</sup>Fe Mössbauer Spectroscopy and DC magnetometry for the identification of Fe-bearing ultrasmall nanophases in inorganic ordered porous matrixes</i>
12:45-13:00	<b>FIS OR011</b>	<b>Giovanni Ferraro</b>	<i>Controlled decoration of plastic surfaces with metal nanostructures</i>
13:00-13:15	<b>FIS OR012</b>	<b>Roberta Ruffino</b>	<i>"Distorted" self-assembly of polymer thin films at nano-curved surfaces</i>

**FIS 02*****Physical Chemistry for Biomedical Applications I***

09:30-10:00	<b>FIS KN002</b>	<b>Paola Sassi</b>	<i>Spectroscopic markers of heart failure: a Raman and FTIR study</i>
10:00-10:15	<b>FIS OR013</b>	<b>Nunzio Tuccitto</b>	<i>Quantum Dots Enable Digital Communication Through Biological Fluids</i>

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10:15-10.30	FIS OR014	Elisabetta Fanizza	<i>Plasmonic mesoporous silica coated copper sulfide nanoparticles as Near Infrared absorbing photothermal agents</i>
10:30-10.45	FIS OR015	Rossella Labarile	<i>Coating photosynthetic Rhodobacter sphaeroides with polydopamine</i>
10:45-11:00	FIS OR016	Marco Fornasier (Vincitore del Premio Semerano)	<i>A polyphosphoester analog of Pluronic F127 enhances the biocompatibility of monoolein-based cubosomes</i>
11:00-11.15	FIS OR017	Alberta Terzi	<i>X-ray Scattering Scanning Microscopies – novel diagnostic tools of pathologic tissues. A focus on aneurysms, breast cancer and diabetes</i>
11:15-11.30	FIS OR018	Federica D'Aria	<i>G-quadruplex within KRAS gene promoter: a physicochemical study</i>
11.30-11.45	break		

**Physical Chemistry for Biomedical Applications II**

11:45-12:00	FIS OR019	Vincenzo De Leo	<i>Liposome/Polymer Assembly for Oral Delivery of Curcumin</i>
12:00_ 12:15	FIS OR020	Monica Mura	<i>Nanoantibiotics: design of multifunctional MSN nanosystems containing both antibiotic and copper ions to combat bone infection</i>
12:15-12.30	FIS OR023	Elena Piacenza	<i>Innovative and green synthesis of biocompatible Selenium nanoparticles in a confined environment with promising antimicrobial activity</i>
12:30-12:45	FIS OR024	Jennifer Gubitosa	<i>Green synthesis of Gold nanoparticles by using grape seeds wastewater: physico-chemical characterization and investigation of their related antioxidant features for cosmetic and biomedical applications</i>

**Divisione CHIMICA INORGANICA (INO)**

**INO 01**

9.30 - 10.30	INO PZ001	Frank Neese	<i>Deciphering Inorganic Chemistry Riddles Through a Combination of Spectroscopy and Quantum Chemistry</i>
10.30 - 10.45	INO OR001	Roberto Gobetto	<i>Innovative Mn and Re catalysts for CO<sub>2</sub> Photo- and Electro-Reduction</i>
10.45 - 11.00	INO OR002	Ilaria Barlocco	<i>Disclosing the role of Gold on Palladium - Gold alloyed catalysts in formic acid decomposition</i>
11.00 - 11.15	INO OR003	Cristina Pavan	<i>Nearly free silanols on silica surface: a new paradigm for particle toxicology</i>
11.15-11.30	break		

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11.30 - 11.45	INO OR004	Massimo Christian D'Alterio	<i>A combined theoretical and experimental investigation of a new class of [N,O-]imidazo[1,5-a]pyrid-3-yl)phenolate Zn(II) catalysts for the ring opening polymerization of lactide</i>
11.45 - 12.00	INO OR005	Linda Leone	<i>Highly selective indole oxidation promoted by a Mn-containing mini-enzyme</i>
12.00 - 12.15	INO OR006	Javier Martí-Rujas	<i>Synthesis and structural properties of isostructural Zn(II) M12L8 poly-[n]-catenane using the 2,4,6-tris(4-pyridyl)benzene (TPB) ligand</i>
12.15 - 12.30	INO OR007	Francesco Fagnani	<i>Three novel families of cyclometalated platinum(II) complexes with remarkable luminescence properties</i>
12.30 - 13.00	INO IL001	Viktoria Gessner	<i>Metallated Ylides: Powerful Reagents for the Stabilization of Reactive Main Group Species and Ligands in Catalysis</i>

## INO 02

10.30 - 10.45	INO OR008	Michele Benedetti	<i>"NMR effective molecular radius" of coordinated ammonia</i>
10.45 - 11.00	INO OR009	Chiara Salvitti	<i>Redox reactivity of transition metal dioxide anions towards sulfur dioxide in the gas phase</i>
11.00 - 11.15	INO OR010	Silvia Ruggieri	<i>New chiral heteroleptic Eu(III)/Tb(III)/Yb(III)-based luminescent complexes designed for different applications</i>
11.15-11.30	break		
11.30 - 11.45	INO OR011	Tiziano Marzo	<i>Oxaliplatin binds angiogenin and exerts high antiangiogenic effects in PC-3 cancer cells at non-cytotoxic concentration</i>
11.45 - 12.00	INO OR012	Luca Spitaleri	<i>Covalently conjugated gold-porphyrin nanostructures</i>
12.00 - 12.15	INO OR013	Nicola Panza	<i>Ferrate salts as stand-alone catalysts for chemical fixation of CO<sub>2</sub> into epoxides and aziridines</i>
12.15 - 12.30	INO OR014	Elena Lucenti	<i>Cyclic triimidazole: an appealing and versatile ligand for the preparation of emissive d<sub>9</sub> and d<sub>10</sub> metal derivatives</i>

## INO 03

10.30 - 10.45	INO OR015 premio Wiley	Thomas Scattolin	<i>Palladium organometallic complexes as promising anticancer agents</i>
10.45 - 11.00	INO OR016	Caterina Damiano	<i>Efficient and low-cost metal-free Porphyrin/TBACl system for the CO<sub>2</sub> valorization into N alkyl and N aryl oxazolidin-2-ones</i>
11.00 - 11.15	INO OR017	Carlo Nervi	<i>Transition metal complexes as redox catalysts for CO<sub>2</sub> conversion</i>
11.15-11.30	break		

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11.30 - 11.45	<b>INO OR018</b>	<b>Cristina Tubaro</b>	<i>Gold(I) and gold(III) complexes with thioether- and phosphonium- functionalized N-heterocyclic carbene ligands</i>
11.45 - 12.00	<b>INO OR019</b>	<b>Marco Baron</b>	<i>Manganese(III) complexes with tetradentate O<sup>+</sup>C<sup>+</sup>C<sup>+</sup>O ligands: synthesis, characterization and preliminary catalytic studies on the CO<sub>2</sub> cycloaddition with epoxides</i>
12.00 - 12.15	<b>INO OR020</b>	<b>Roberto Esposito</b>	<i>MOF catalyzed ketalization of glycerol into solketal</i>
12.15 - 12.30	<b>INO OR021</b>	<b>Francesco Ferretti</b>	<i>Heterocycles from nitro compounds: CO surrogates in the Pd catalyzed synthesis of carbazoles</i>

## Divisione CHIMICA PER LE TECNOLOGIE (TEC)

### TEC 01

09.30 - 10.00	<b>TEC IL001</b>	<b>Alberto Rainer</b>	<i>Nanogels as smart drug delivery systems</i>
10.00 - 10.15	<b>TEC KN001</b>	<b>Claudia Espro</b>	<i>Hydrothermal Carbonization as a sustainable approach for the single-step upgrading of industrial citrus processing waste into platform chemicals and biocarbon</i>
10.15 - 10.30	<b>TEC KN002</b>	<b>Fabrizio Monica</b>	<i>Chemistry of materials for energy technologies</i>
10.30 - 10.40	<b>TEC OR001</b>	<b>Virginia Venezia</b>	<i>Biowaste as valuable resource: humic acids valorization into multifunctional materials</i>
10.40 - 10.50	<b>TEC OR002</b>	<b>Francesco Mauriello</b>	<i>Sustainable Valorization of Anchovy Leftovers into Value Added Chemicals, Products and Energy</i>
10.50 - 11.00	<b>TEC OR003</b>	<b>Carlo Punta</b>	<i>Eco-design of Cellulose NanoSponges for water decontamination</i>
11.00 - 11.10	<b>TEC OR004</b>	<b>Ermelinda Bloise</b>	<i>CNSL components as green building-blocks for bio-based nanovesicles</i>
11.10 - 11.30	<b>Discussion</b>		
11.30 - 11.50	<b>Break</b>		
11.50 - 12.00	<b>TEC OR005</b>	<b>Manfredi Caruso</b>	<i>N-Hydroxyphthalimide role in Aerobic Oxidations: Homogeneous versus Heterogeneous Catalysis</i>
12.00 - 12.10	<b>TEC OR006</b>	<b>Laura Riva</b>	<i>Co-Polymeric Nanosponges from Cellulose Biomass as Heterogeneous Catalysts for Organic Reactions</i>
12.10 - 12.20	<b>TEC OR007</b>	<b>Serena Regina</b>	<i>Use of a bio-derived polymer as crosslinking agent for stable-polyvinyl alcohol membrane development</i>
12.20 - 12.30	<b>TEC OR008</b>	<b>Simona Sabbatini</b>	<i>Thermal-Oxidative Stability of PHBV/LDH Nanocomposites</i>
12.30 - 12.50	<b>Discussion</b>		

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12.50 - 13.00	<b>TEC OR009</b>	<b>Angela Marotta</b>	<i>Furan as platform molecule in the production of greener epoxy-resins</i>
13.00 - 13.10	<b>TEC OR010</b>	<b>Franca Castiglione</b>	<i>Insights on Ionic Liquids structure and dynamics: NMR methods and recent advances</i>
13.10 - 13.20	<b>TEC OR011</b>	<b>Giselle de Araujo Lima e Souza</b>	<i>Ionic conductivity and thermal characterization of DBU-based protic ionic liquids</i>
13.20 - 13.30	<b>TEC OR012</b>	<b>Maria Enrica Di Pietro</b>	<i>Deep Eutectics: what is inside the solvents for the 21st century?</i>
13.30 - 13.50	<b>Discussion</b>		

**TEC 02**

10.30 - 10.40	<b>TEC OR013</b>	<b>Giulio Pota</b>	<i>Mesoporous Silica Nanoparticles: a powerful platform for biocatalysis</i>
10.40 - 10.50	<b>TEC OR014</b>	<b>Antonella Satira</b>	<i>Tandem Catalytic Upgrading of Limonene and Methyl Levulinate promoted by Pd-based Catalysts</i>
10.50 - 11.00	<b>TEC OR015</b>	<b>Francesco Parrino</b>	<i>Synthesis, characterization, and photocatalytic activity of Eu doped ZnO prepared by supercritical antisolvent precipitation route</i>
11.00 - 11.10	<b>TEC OR016</b>	<b>Cristina Leonelli</b>	<i>Microwave-assisted synthesis and isopropanol extraction in the preparation of TiO<sub>2</sub> nanoparticle suspensions</i>
11.10 - 11.30	<b>Discussion</b>		
11.30 - 11.50	<b>Break</b>		
11.50 - 12.00	<b>TEC OR017</b>	<b>Aurelio Bifulco</b>	<i>Hybrid Strategies for the Improvement of the Flame Retardancy of in-situ Silica-Epoxy Nanocomposites cured with Aliphatic Hardener</i>
12.00 - 12.10	<b>TEC OR018</b>	<b>Isabella Lancellotti</b>	<i>Chemical stabilization in a single step process: geopolymerization of tannery wastewater pollutants</i>
12.10 - 12.20	<b>TEC OR019</b>	<b>Ambra M. Fiore</b>	<i>Hematite nanoparticles as promising catalyst</i>
12.20 - 12.50	<b>Discussion</b>		
12.50 - 13.00	<b>TEC OR021</b>	<b>Vincenzina Barbera</b>	<i>Functionalization of graphene related materials with biosourced C-3 and C-6 building blocks. From synthesis to applications</i>
13.00 - 13.10	<b>TEC OR022</b>	<b>Sabina Alessi</b>	<i>Polymer/rubber nanofibrous interleaves for the enhancement of delamination resistance of CFRP laminates</i>
13.10 - 13.20	<b>TEC OR023</b>	<b>Laura Tripaldi</b>	<i>Silica Hairy Nanoparticles in Rubber Nanocomposites</i>
13.20 - 13.30	<b>TEC OR024</b>	<b>Mariachiara Miceli</b>	<i>Titanosilicalite as Nickel Support for Methanation Reaction</i>
13.30 - 13.50	<b>Discussion</b>		

**Divisione ELETTOCHIMICA (ELE)****ELE 01**

09.30 - 10.00	<b>ELE_KN01</b>	<b>Patrizia Mussini</b>	<i>Enantioselective Voltammetry &amp; Chiroptical Spectroscopy: Exploring Intriguing Analogies and Connections</i>
10.00 - 10.15	<b>ELE_OR02</b>	<b>Elisabetta Petri</b>	<i>Electrochemically responsive soft actuators</i>
10.15 - 10.30	<b>ELE_OR03</b>	<b>Carmelo Lo Vecchio</b>	<i>NiFe oxide co-catalyst for an enhanced water splitting in photo-electrochemical cells</i>
10.30 - 10.45	<b>ELE_OR04</b>	<b>Marco Piccini</b>	<i>Synthesis and water dispersion of nickel-iron layered double hydroxides for energy storage applications</i>
10.45 - 11.00	<b>ELE_OR05</b>	<b>Daniele Rocco</b>	<i>Anodic Dimerization of New Donor-Acceptor Oligothiophenes: Electrochemical and Solvatochromic Behavior</i>
11.00 - 11.15	<b>break</b>		
11.15 - 11.45	<b>ELE_KN06</b>	<b>Peter Fischer</b>	
11.45 - 12.00	<b>ELE_OR07</b>	<b>Giovanni Crivellaro</b>	<i>A complex electrochemistry triggering the operation of Vanadium Redox Flow Batteries</i>
12.00 - 12.15	<b>ELE_OR08</b>	<b>Giampaolo Lacarbonara</b>	<i>A spectroelectrochemical study of copper chloro-complexes for high performance copper redox flow batteries</i>
12.15 - 12.30	<b>ELE_OR09</b>	<b>Jorge Montero</b>	<i>Ferrocene and viologen derivatives as electrolytes for pH neutral aqueous organic redox flow batteries</i>

**ELE 02**

09.30 - 10.00	<b>ELE KN10</b>	<b>Giovanni Valenti</b>	<i>New Insights Into Electrogenerated Chemiluminescence Mechanism for the Enhancement of Bioanalytical Performance</i>
10.00 - 10.15	<b>ELE OR11</b>	<b>Sara Bonacchi</b>	<i>SpectroElectrochemistry of Metal Nanoclusters: new insights into the origin of the photoluminescence</i>
10.15 - 10.30	<b>ELE OR12</b>	<b>Marco Mazzucato</b>	<i>How Decisive is the Iron Precursor Ligand in Fe-N-C Single-Site Formation and Activity for Oxygen Reduction Reaction?</i>
10.30 - 10.45	<b>ELE OR13</b>	<b>Mattia Parnigotto</b>	<i>Water Loss Predictive Tests in Flooded Lead-Acid Batteries</i>
10.45 - 11.00	<b>ELE OR14</b>	<b>Mattia Reato</b>	<i>Electron Transfers in Films of Atomically Precise Metal Nanoclusters</i>
11.00 - 11.15	<b>break</b>		
11.15 - 11.45	<b>ELE KN15</b>	<b>Alessandro Minguzzi</b>	<i>In situ/operando X-ray absorption spectroscopy: a swiss-knife for studying (photo)electrodes</i>



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11.45 - 12.00	<b>ELE OR16</b>	<b>Francesco De Bon</b>	<i>Para substituted pyridines ligands forms highly active catalysts for ATRP</i>
12.00 - 12.15	<b>ELE OR17</b>	<b>Danilo Dini</b>	<i>EQCM analysis of the process of electrochemical insertion in regioregular alkyl-substituted polyterthiophene during n-doping</i>
12.15 - 12.30	<b>ELE OR18</b>	<b>Matteo Grattieri</b>	<i>Bio-inspired intact bacteria-based biohybrid photoanodes</i>

### **ELE 03**

09.30 - 10.00	<b>ELEKN19</b>	<b>Marc Koper</b>	<i>Advances and challenges in understanding the electrocatalytic conversion of carbon dioxide</i>
10.00 - 10.15	<b>ELEOR20</b>	<b>Maruccia Elisa</b>	<i>Nitrogen-containing ordered mesoporous carbons applied as CO<sub>2</sub> adsorbents and anode materials in energy storage devices</i>
10.15 - 10.30	<b>ELEOR21</b>	<b>Fortunati Alessia</b>	<i>Ionic liquids for capture and electrochemical Conversion of CO<sub>2</sub></i>
10.30 - 10.45	<b>ELEOR22</b>	<b>Moro Miriam</b>	<i>Carbon Nanostructures decorated with Cerium Oxide as selective electrocatalysts for CO<sub>2</sub> reduction</i>
10.45 - 11.00	<b>ELEOR23</b>	<b>Guzman Hilmar</b>	<i>CuZnAl-based oxide catalysts for the electrochemical CO<sub>2</sub> conversion</i>
11.00 - 11.15	<b>break</b>		
11.15 - 11.45	<b>ELEKN24</b>	<b>Monica Santamaria</b>	<i>Electrochemical surface treatments to improve corrosion resistance of light alloys</i>
11.45 - 12.00	<b>ELEOR25</b>	<b>Zoli Maddalena</b>	<i>Facile and scalable synthesis of Cu<sub>2</sub>O-SnO<sub>2</sub> catalyst for the photoelectrochemical CO<sub>2</sub> conversion</i>
12.00 - 12.15	<b>ELEOR26</b>	<b>Magni Mirko</b>	<i>Cathodic Plasma Electrolysis &amp; Recovery of Zinc as Coating</i>
12.15 - 12.30	<b>ELEOR27</b>	<b>Poli Federico</b>	<i>Sustainable strategies to improve MFC power output by green supercapacitors and supercapacitive components</i>

### **Divisione TECNOLOGIA FARMACEUTICA (TFA)**

#### **TFA 01**

09.30 - 10.00	<b>TFA IL001</b>	<b>Elias Fattal</b>	<i>Lipid and dendrimer-based nanomedicines for siRNA</i>
10.00 - 10.30	<b>TFA IL002</b>	<b>Stefano Colloca</b>	<i>Set up of large scale production process for GRAd-COV2 vaccine</i>
10.30 - 10.45	<b>Discussion</b>		
10.45 - 11.00	<b>break</b>		

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11.00 - 11.15	<b>TFA OR001</b>	<b>Ilaria Arduino</b>	<i>Microfluidic preparation and characterization of iRGD-functionalized solid lipid nanoparticles for targeted delivery</i>
11.15 - 11.30	<b>TFA OR002</b>	<b>Angela Bonaccorso</b>	<i>Response Surface Methodology for the optimization of Nanogels Polyelectrolyte Complex intended for Ovalbumin nasal delivery</i>
11.30 - 11.45	<b>TFA OR003</b>	<b>Ilaria Filippin</b>	<i>Cellulase as active excipient in HPMC prolonged-release matrices: a novel approach to zero-order kinetics</i>
11.45 - 12.00	<b>TFA OR004</b>	<b>Stefania Petralito</b>	<i>Remote magneto-mechanical actuation of magnetoliposomes by alternating or pulsed magnetic fields</i>
12.00 - 12.15	<b>TFA OR005</b>	<b>Emma Piacentini</b>	<i>Controlled and tunable polymeric micro/nano particles production using membrane technology</i>
12.15 - 12.30	<b>TFA OR006</b>	<b>Giovanna Rassu</b>	<i>Crocetin as both neuroprotective agent and cross-linker for sericin for obtaining new nasal bioactive nanoparticles</i>
12.30 - 12.45	<b>TFA OR007</b>	<b>Federica Rinaldi</b>	<i>Rifampicin loaded liposomes for Mycobacterium abscessus infection treatment: intracellular uptake and antibacterial activity evaluation</i>
12.45 - 13.00	<b>TFA OR008</b>	<b>Mattia Tiboni</b>	<i>An affordable approach to scalable nanomedicine manufacturing: 3D printed microfluidics</i>
13.00 - 13.15	<b>TFA OR009</b>	<b>Siyuan Deng</b>	<i>Development and Characterization of a Novel Redox-responsive Core-shell Structure Nanohydrogel as Intracellular Delivery System</i>
13.15-13.30	<b>Discussion</b>		

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