<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:15</td>
<td>Welcoming of the participants</td>
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<tr>
<td>8:45</td>
<td>Opening of the day - welcome speech</td>
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<tr>
<td>9:00</td>
<td><strong>Uwe MEIERHENRICH</strong>, Univ. Côte d’Azur</td>
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<td></td>
<td>3D Presentation: ESA’s Mission Rosetta-Philae - the search for organic</td>
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<td>molecules on a comet</td>
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<td>9:40</td>
<td><strong>Piero UGLIENGO</strong>, Univ. Turin</td>
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<tr>
<td></td>
<td>From Astrochemistry to Prebiotic Chemistry through the Eyes of</td>
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<td>Computer Molecular Modeling</td>
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<td>10:20</td>
<td>Presentation of the Youth Club of the SCF and SCI</td>
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<td>10:30</td>
<td><strong>Coffee break and posters session</strong></td>
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<td></td>
<td><strong>SESSION 1: room Colbert</strong></td>
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<td></td>
<td>Organic and bio-organic chemistry</td>
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<tr>
<td>11:15</td>
<td><strong>Federica MINUTO</strong>, Univ. Genova</td>
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<td>A novel photoinduced multicomponent reaction to β-Lactams: Ketene</td>
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<td>3-Component Staudinger Reaction (K-3CSR)</td>
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<td>11:30</td>
<td><strong>Manuel BARDAY</strong>, Univ. Aix-Marseille, ISM2</td>
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<td>NHC-catalysed atroposelective desymmetrisation of maleimides:</td>
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<td>complete control towards highly functionnalised heterocycles.</td>
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<td>11:45</td>
<td><strong>Mariacristina FAILLA</strong>, Univ. Turin</td>
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<td>Metallo β-Lactamases inhibitors: new tools against Bacterial Multidrug</td>
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<td>Resistance</td>
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<td>12:00</td>
<td><strong>Iryna SHCHEHOLEVA</strong>, Univ. Côte d’Azur, ICN</td>
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<td>Diversity-oriented synthesis of small molecules applied to the discovery</td>
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<td>of new inhibitors of oncogenic miRNAs production</td>
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<td>12:15</td>
<td><strong>Francesconi VALERIA</strong>, Univ. Genova</td>
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<td>Multitarget agents in Alzheimer’s disease: development of xanthenone-</td>
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<td>based derivatives</td>
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</tbody>
</table>
SESSION 2: room Raimu 1
Chemistry of materials and environmental chemistry

11:15  Lorenzo FENOCCHIO, Univ. Genova
High Entropy Alloys (HEAs): Thermodynamic Simulations for High-Temperature Applications

11:30  Marta MENEGHELLO, Univ. Aix-Marseille, BIP
Electrochemical studies of CO2-reducing metalloenzymes

11:45  David Javier CASTRO RODRIGUEZ, Politecnico di Torino
Experimental Array to Evaluate Different Operative Parameters in Bioremediation of Hydrocarbon-Polluted Soil

12:00  Christian CRAVOTTO, Univ. Avignon
Higher yield and polyphenol content in olive pomace oil extracted using 2-methyloxolane

12:15  Giovanni PAMPARARO, Univ. Genova
Cu-SiO2 catalysts made by Aerosol Assisted Sol-gel method as promising materials for ethanol non oxidative dehydrogenation

12:30  Buffet and posters session

SESSION 1: room Colbert
Organic and bio-organic chemistry

13:45  Enzo VAIEDELICH, Univ. Aix-Marseille, ICR
Shifting-nitroxides as the new Overhauser-enhanced MRI probes for in-vivo evaluation using enzymatic activities.

14:00  Tullio CROVETTO, Univ. Genova
Synthesis of new solid state-fluorescent furo[2,3-c]isoquinolines via Ugi reaction and subsequent Pd-catalyzed transformations

14:15  Guillaume LESEIGNEUR, Univ. Côte d’Azur, ICN
The Stereochemistry of Isoprenoid Hydrocarbons as Molecular Fossils: Implications for the Search of Extinct Life on Mars
**Tuesday, April 2022**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker(s)</th>
<th>Institution(s)</th>
<th>Title</th>
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<tbody>
<tr>
<td>14:30</td>
<td>Dinesh DHUMAL</td>
<td>Univ. Aix-Marseille, Cinam</td>
<td>Dynamic self-assembling supramolecular dendrimer nanosystems as potent antibacterial candidates against drug-resistant bacteria and biofilm</td>
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<tr>
<td>14:45</td>
<td>Arthur GAUCHERAND</td>
<td>Univ. Aix-Marseille, ISM2</td>
<td>Simultaneous Control of Central and Helical Stereogenic Elements on Small Molecules</td>
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<tr>
<td>15:00</td>
<td>Arthur GAUCHERAND</td>
<td>Univ. Aix-Marseille, ISM2</td>
<td>Marta GALLO, Univ. Turin</td>
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<tr>
<td>15:15</td>
<td>Tereza HORACKOVA</td>
<td>Univ. Aix-Marseille, Cinam</td>
<td>Towards a new generation of (di-)zwitterionic quinones and macrocycles</td>
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<tr>
<td>15:30</td>
<td>Nicolas GIACOLETTO</td>
<td>Univ. Aix-Marseille, ICR</td>
<td>Coumarin-Based Oxime Esters: New photoinitiators for visible light photopolymerization</td>
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**SESSION 2: room Raimu 1**

**Chemistry of materials and environmental chemistry**

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<tr>
<td>13:45</td>
<td>Ashwini Reddy NALLAYAGARI</td>
<td>Univ. Aix-Marseille, Madirel</td>
<td>Role of carbon quantum dots and anion exchange ionomer as a multiphase electrode for the oxygen reduction reaction</td>
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<tr>
<td>14:00</td>
<td>Nicolò GHIBAUDO</td>
<td>Univ. Genova</td>
<td>Application of a D-Optimal Design of experiments to a photocatalytic pilot plant for environmental issues.</td>
</tr>
<tr>
<td>14:15</td>
<td>Brahim AKHSASSI</td>
<td>Univ. Toulon, IM2NP</td>
<td>Photodegradation of organic pollutant rhodamine B by a zinc phosphate-based composite</td>
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<tr>
<td>14:30</td>
<td>Davide PALMA</td>
<td>Univ. Turin</td>
<td>Re-thinking the role of natural organic matter in water treatment processes</td>
</tr>
</tbody>
</table>
14:45  **Alessandro COSSARD**, Univ. Turin  
Topology of the Electron Density and of Its Laplacian from Periodic LCAO Calculations on f-Electron Material

15:00  **Léo CHAUSSY**, Univ. Aix-Marseille, ISM2  
Benchmark on cobalt systems relevant for reactivity

15:15  **Emanuele PRIOLA**, Univ. Turin  
Solid-state peculiarities and polymorphism in imidazo[1,5-]pyridine dyes

15:30  **Marta CAMPOLUCCI**, Univ. Genova  
Mn–based Hybrid Metal Halides for Optoelectronic Applications

15:45  **Coffee break and posters session**

16:30  **Sylvain Marque**, Univ. Aix-Marseille, ICR  
Presentation IUPAC

**Donation of the PhD thesis award**

16:35  **Enrico SARTORETTI**, Politecnico di Torino  
Doped ceria nanostructures for the oxidation of pollutants: investigations into the role of defect sites

17:05  **Guillaume BARNOIN**, Univ. Côte d’Azur, ICN  
Intermolecular dark resonance energy transfer (DRET): Applications to the fluorogenic detection of nucleic acids

**Invited speakers**

17:30  **Silvia BODOARDO**, Univ. Turin  
Post Li-ion and disruptive technologies for advanced and innovative batteries: what is Europe doing?

18:00  **Jalila SIMAAN**, Univ. Aix-Marseille  
structure-function relationships in copper-containing enzymes: from fundamental studies to the development of bioinspired catalysts
Wednesday
April 2022

8:30  Welcoming of the participants
9:00  **Carla VILLA**, Univ. Gênes
      Ecofriendly microwave extraction of agrofood waste for cosmetic and pharmaceutical applications
9:40  **Christine BRESSY**, Univ. Toulon, Mapiem
      When chemistry deals with marine biofouling
10:20 Coffee break and posters session

**SESSION 1: room Colbert**

Organic and bio-organic chemistry

11:00  **Louise MITON**, Univ. Aix-Marseille, École Centrale
       Anion-pi interactions in confined space
11:15  **Milane SAIDAH**, Univ. Aix-Marseille, ISM2
       Enantioselective construction of tetrasubstituted carboncenter.
11:30  **Alessio GIOVE**, Univ. Toulon, Mapiem
       Synthesis of new selective monomers for the design of original Ni(II) and Co(II) ion imprinted polymers
11:45  **Emilie GENTILINI**, Univ. Côte d'Azur, ICN
       Asymmetric Gold-Catalyzed Addition of Carbonyl Compounds on 1,6-Enynes
12:00  **Guillaume BRULAY**, Univ. Aix-Marseille, ICR
       Synthesis and studies of SBA-15 materials functionalized with transient radical precursors.
12:15  **Xueyang LIU**, Univ. Aix-Marseille, ISM2
       Indirect Enantiocontrol of Tertiary Alcohols and Quaternary Centers by Acylative Organocatalytic Kinetic Resolution

**SESSION 2: room Raimu 1**

Chemistry of materials and environmental chemistry

11:00  **Maria Alessia VECCHIO**, Univ. Genova
       Strontium isotopic analysis of Antarctic snow samples by multi-collector inductively coupled plasma mass spectrometry
Wednesday
April 2022

11:15  Erika Michela DEMATTEIS, Univ. Turin
Mn-substituted TiFe alloys for large scale hydrogen storage: a neutron diffraction study

11:30  Sawssen SLIMANI, Univ. Genova
Interplay between magnetic anisotropy and interparticle interactions in crystalline-amorphous nanocomposite

11:45  Alessia GIORDANA, Univ. Turin
Biostimulant and biofertilizer from waste valorisation: the different behaviour of humic and fulvic acid on hydroxyapatite

12:00  Barbara BENEDETTI, Univ. Genova
Evaluation of polycyclic aromatic hydrocarbons contamination in botanical extracts for human consumption: development of a specific sample pre-treatment method followed by GC-MS analysis

12:15  Monica RIGOLETTO, Univ. Turin
Valorization of an agro-industrial waste: synthesis of soybean hulls derivatives-based hybrid materials for water purification

12:30  Buffet and posters session

13:30  Winner of the grand prizes

13:40  Pr. Philippe KNAUTH, Univ. Aix-Marseille, Madirel
Ion-conducting nanomaterials: a lot of movement in small domains

14:30  Paola RIVARO, Univ. Gênes
Variability in chemical properties of the Ross Sea (Antarctica) waters and links to climate change: the results of our observations from 90’s to today

15:00  Poster awards

15:10  Closing Ceremony
ORGANIZATION COMMITTEE

Patricia MERDY, University of Toulon
Yoann COQUEREL, Aix-Marseille University
Véronique MICHELET, Université Côte d'Azur
Sylvain MARQUE, Aix-Marseille University
Nicolas BALDOVINI, Université Côte d'Azur
Gaëlle CHOURAQUI, Aix-Marseille University
Lionel SANTINACCI, Aix-Marseille University
Alain BURGER, Université Côte d'Azur

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