

# FaBiT e CIAM: oggi e domani

3 ottobre 2025 - Aula Magna - UE1 – Plesso Navile

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| 13:30       | <b>Benvenuto delle Direttrici</b>                                                                         |                                                                                                                                                                               |
| 13:45-14:35 | <b>Collaborazioni Esistenti. Prima sessione.</b><br><b>Chair: Manuela Bartolini, Pierluigi Reschilian</b> |                                                                                                                                                                               |
| 13:45       | <b>Parolin</b> -Vitali/Fedi/Samori-Galletti-Fiori                                                         | Speaker: <u>Carola Parolin</u><br>Titolo: <b>Bacteria, bioplastics and derivatives</b>                                                                                        |
| 13:50       | <b>Zaffagnini</b> -Fermani                                                                                | Speaker: <u>Mirko Zaffagnini</u> ;<br>Titolo: <b>Functional studies of key photosynthetic enzymes by a combined biochemical/structural approach</b>                           |
| 13:55       | <b>Albertini</b> -Passerini-Bertoni/Bonvicini/Panzavolta                                                  | Speaker: <u>Beatrice Albertini</u><br>Titolo: <b>Innovative biomaterials for the development of drug delivery systems</b>                                                     |
| 14:00       | <b>Grepioni</b> /Ciurli-Mazzei                                                                            | Speaker: <u>Fabrizia Grepioni</u><br>Titolo: <b>Crystal engineering for agrochemical and antimicrobial applications</b>                                                       |
| 14:05       | <b>Basagni</b> -Rosini/Marcaccio-Fiori                                                                    | Speaker: <u>Filippo Basagni</u><br>Titolo: <b>Investigating the mechanism of action of (pro)electrophilic compounds featuring neuroprotective activities</b>                  |
| 14:10       | <b>Rapino</b> /Porcelli                                                                                   | Speaker: <u>Stefania Rapino</u><br>Titolo: <b>Spatially Resolved Analysis of Ovarian Cancer Metabolism</b>                                                                    |
| 14:15       | Bedini- <b>Gentilucci</b>                                                                                 | Speaker: <u>Luca Gentilucci</u><br>Titolo: <b>Understanding opioid receptor function through synthetic peptide ligands</b>                                                    |
| 14:20       | <b>Maini</b> -Belluti                                                                                     | Speaker: <u>Lucia Maini</u><br>Titolo: <b>Single Crystal Diffraction on small libraries of chalcones: structural insights on a privileged scaffold in medicinal chemistry</b> |
| 14:25       | <b>Genovese</b> /Zaffagnini                                                                               | Speaker: <u>Damiano Genovese</u><br>Titolo: <b>Study of protein aggregation: from enzymatic activity to fluorescence nanotracking</b>                                         |
| 14:30-14:35 | Technical break                                                                                           |                                                                                                                                                                               |
| 14:35-15:15 | <b>Nuove proposte. Prima sessione</b><br><b>Chair: Manuela Bartolini, Pierluigi Reschilian</b>            |                                                                                                                                                                               |
| 14:35       | <b>Gualandi</b> -Cozzi                                                                                    | Speaker: <u>Andrea Gualandi</u><br>Titolo: <b>Laboratory of Stereoselective Metal Catalysis and Photoredox Catalysis</b>                                                      |
| 14:45       | <b>Boanini</b>                                                                                            | Speaker: <u>Elisa Boanini</u><br>Titolo: <b>Biomimetic and materials chemistry</b>                                                                                            |
| 14:55       | <b>Valenti</b> -Paolucci                                                                                  | Speaker: <u>Giovanni Valenti</u><br>Titolo: <b>EMFM - Electrochemistry of molecular and functional materials</b>                                                              |
| 15:05       | <b>Foschi</b> -Cappelletti-Vannini-Roncarati -                                                            | Speaker: <u>Alice Foschi</u><br>Titolo: <b>iGEM Competition: Driving Synthetic Biology Innovation Through Student Research</b>                                                |
| 15:15-15:50 | <b>Coffee Break</b>                                                                                       |                                                                                                                                                                               |
| 15:50-16:05 | <b>Trasferimento tecnologico</b>                                                                          | <b>Chair: Paolo Blasi, Alessandra Tolomelli</b>                                                                                                                               |
| 16:05-16:55 | <b>Nuove proposte. Seconda sessione</b><br><b>Chair: Paolo Blasi, Alessandra Tolomelli</b>                |                                                                                                                                                                               |
| 16:05       | Tomasini- <b>Giuri</b>                                                                                    | Speaker: <u>Demetra Giuri</u><br>Titolo: <b>Peptide Foldamers and Materials Lab</b>                                                                                           |
| 16:15       | Francesco <b>Francia</b>                                                                                  | Speaker: <u>Francesco Francia</u><br>Titolo: <b>Biochemistry and Molecular Biophysics</b>                                                                                     |
| 16:25       | Zerbetto- <b>Bakalis</b>                                                                                  | Speaker: <u>Evangelos Bakalis</u><br>Titolo: <b>Theoretical and computational modelling</b>                                                                                   |
| 16:35       | <b>Miglietta</b> -Capranico                                                                               | Speaker <u>Giulia Miglietta</u><br>Titolo: <b>Cancer Genome Instability</b>                                                                                                   |
| 16:45       | <b>Grepioni</b>                                                                                           | Speaker: <u>Fabrizia Grepioni</u><br>Titolo: <b>Molecular crystal engineering group</b>                                                                                       |

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| 16:55       | <b>Placci-Roda</b>                                                                                   | Speaker: <u>Anna Placci</u><br><b>Analytical methods for nano and biosciences</b>                                                                                                                                                                     |
| 17:05-17:10 | Technical break                                                                                      |                                                                                                                                                                                                                                                       |
| 17:10-17:50 | <b>Collaborazioni Esistenti. Seconda sessione</b><br><b>Chair: Paolo Blasi, Alessandra Tolomelli</b> |                                                                                                                                                                                                                                                       |
| 17:10       | <b>Uliassi</b> /-Bolognesi/Calvaresi-Di Giosia                                                       | Speaker: <u>Elisa Uliassi</u><br><b>Development of phototheranostic agents for cancer and infections</b>                                                                                                                                              |
| 17:15       | <b>Ferrazzano</b> -Tolomelli-Cabri/Baiula-Bonvicini)                                                 | Speaker: <u>Lucia Ferrazzano</u><br><b>Synthesis and Functional Assessment of Peptide- and Oligonucleotide-Based Bioactive Molecules</b>                                                                                                              |
| 17:20       | Bolognesi- <b>Bagnolini</b> /Ferrazzano-Tolomelli-Cabri                                              | Speaker: <u>Greta Bagnolini</u><br>Titolo: <b>Design and synthesis of small molecules targeting pre-miRNA21: toward the development of ribonuclease targeting chimeras (RIBOTACs) to regulate the oncogenic miRNA21</b>                               |
| 17:25       | <b>Di Lisa</b> -Focarete/Candela-Turroni                                                             | Speaker: <u>Luana Di Lisa</u> ;<br>Titolo: <b>3D Bioprinted in vitro model of gut microbiota</b>                                                                                                                                                      |
| 17:30       | <b>Danielli</b> -Costantini/Calvaresi-Di Giosia-ProdiValenti-Marassi                                 | Speaker: <u>Alberto Danielli</u><br>Titolo: <b>Engineered bacteriophages for diagnostic and therapeutic applications</b>                                                                                                                              |
| 17:35       | Franchi-Lucarini/Paolini\Canistro- <b>Vivarelli</b> -Romualdi-Candeletti                             | Speaker: <u>Fabio Vivarelli</u> ;<br>Titolo: <b>Measure of oxygen, carbon, and nitrogen-centered reactive species (ROS, RCS, RNS) by the use of Electronic Paramagnetic Resonance (EPR) coupled with hydroxylamine “spin trap” in animal biopsies</b> |
| 17:40       | Franchi-Lucarini/Romuladi-Candeletti                                                                 | Speaker: <u>Laura Rullo</u><br>Title: <b>Substances of abuse and oxidative stress</b>                                                                                                                                                                 |
| 17:45       | Fato-Bergamini-Prata/ <b>Amorati</b>                                                                 | Speaker: <u>Riccardo Amorati</u><br>Title: <b>Antioxidant and pro-oxidant activity of natural compounds</b>                                                                                                                                           |
| 17:50-18:00 | Closing remarks e Saluti                                                                             |                                                                                                                                                                                                                                                       |