

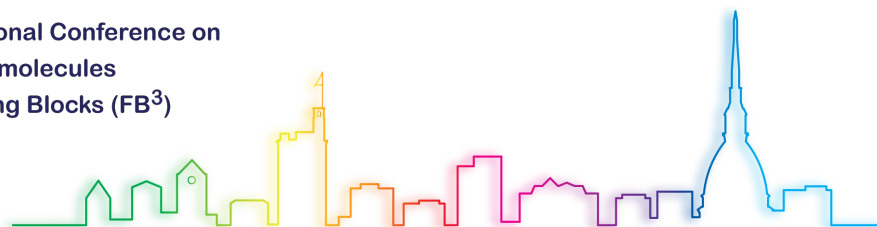
March 8 - 11, 2026 Torino



## PROGRAMME

| 8 March 2026 (Sunday)   |      |  |
|---|------|--|
| 12:30-14:00   |      | <b>Registration</b>  |
| 14:00-14:30   |      | <b>Opening</b><br><i>Andrea Fin (University of Torino)</i><br><b>Opening Remarks</b><br><i>Claudia Barolo (Director of the Department of Chemistry, University of Torino)</i>  |
| <b>Session A1</b><br><i>Chairperson: Mattia Bartoli (Italian Institute of Technology)</i> |      |  |
| 14:30-15:00   | IL-1 | <b>NIR polymethine dyes for photodynamic therapy</b><br><i>Nadia Barbero (University of Torino)</i>  |
| 15:00-15:15   | OC-1 | <b>A computational protocol for uncovering photoinduced electron transfer mechanisms in fluorescent molecules</b><br><i>Syed Ali Abbas Abedi (Singapore University of Technology and Design - Nanyang Technological University.)</i>                                   |
| 15:15-15:30   | OC-2 | <b>Optical spectroscopy and multiphoton microscopy as tools for drug delivery</b><br><i>Cristina Sissa (University of Parma)</i>   |
| 15:30-15:45   | OC-3 | <b>A fluorescent probe with an ultra-rapid response to nitric oxide in living cells</b><br><i>Cristina Parisi (University of Catania)</i>  |
| 15:45-16:00   | OC-4 | <b>The photophysics of isothiazologuanosine, an isofunctional fluorescent analogue of guanosine: insights from Quantum Mechanical calculations</b><br><i>Roberto Improta (Consiglio Nazionale delle Ricerche (CNR) Istituto di Biostrutture e Bioimmagini, Napoli)</i> |
| 16:00-16:30   |      | <b>Coffee Break</b>  |
| <b>Session A2</b><br><i>Chairperson: Ivana Miletto (University of Piemonte Orientale)</i> |      |  |
| 16:30-17:00   | IL-2 | <b>Design of fluorescent halloysite nanotube based nanomaterials: supramolecular and covalent strategies for biomedical applications</b><br><i>Marina Massaro (University of Palermo)</i>  |
| 17:00-17:15   | OC-5 | <b>Synthesis and characterization of a lanthanide probe for Time-Resolved Forster Resonance Energy Transfer</b><br><i>Filippo Valloni (University of Piemonte Orientale)</i>   |
| 17:15-17:30   | OC-6 | <b>Supporting science across the globe: EURO-BIOIMAGING Research Infrastructure</b><br><i>Erika Cerutti (Euro-BioImaging ERIC, IBB-CNR)</i>  |
| 17:30-18:30   |      | <b>Welcome Cocktail</b>  |

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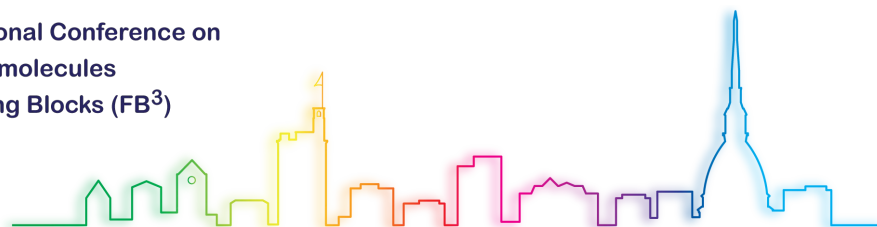
| 9 March 2026 (Monday)   |                       |   |
|---|-----------------------|---|
| 8:30-9:00   | <b>Reception</b>      |   |
| <b>Session B1</b><br><i>Chairperson: Yitzhak Tor (University of California San Diego)</i> |                       |   |
| 9:00-9:45   | KN-1                  | <b>Computation aided fluorophore development</b><br><i>Xiaogang Liu (Nanyang Technological University)</i>  |
| 9:45-10:15  | IL-3                  | <b>Fluorescent probes for translational bioimaging</b><br><i>Marc Vendrell (University of Edinburgh)</i>  |
| 10:15-10:30   | OC-7                  | <b>Biomimetic and responsive fluorescent lipid microparticles to study phagocytosis</b><br><i>Blaise Dumat (Ecole normale supérieure, PSL University, Sorbonne Université, CNRS)</i>              |
| 10:30-10:45   | SP-1                  | <b>Beyond histograms: advanced FLIM and FCS enabled by time taggers</b><br><i>Eric Schmidt (SWABIAN INSTRUMENTS)</i>  |
| 10:45-11:15   | <b>Coffee Break</b>   |   |
| <b>Session B2</b><br><i>Chairperson: Salvatore Sortino (University of Catania)</i>        |                       |   |
| 11:15-11:45   | IL-4                  | <b>Fluorescent probes for biomembranes and organelles: from lipids to proteins</b><br><i>Andrey S. Klymchenko (Université de Strasbourg - CNRS)</i>   |
| 11:45-12:15   | IL-5                  | <b>Studying RNA biology and therapeutics using fluorescent base analogues</b><br><i>Marcus Wilhelmsson (Chalmers University of Technology)</i>  |
| 12:15-12:30   | OC-8                  | <b>Precise sequence-specific fluorescent labeling of DNA: illuminating genomic loci for optical mapping applications</b><br><i>Xiong Chen (KU Leuven)</i>   |
| 12:30-12:45   | OC-9                  | <b>Molecular rotors detect the formation and conversion of WT <math>\alpha</math>-synuclein oligomers and its' pathological mutant variants</b><br><i>Sián Allerton (Imperial College London)</i> |
| 12:45-13:00   | SP-2                  | <b>Fast and easy ultrafast spectroscopy: enabling more time for research</b><br><i>Robertas Grigutis (Light Conversion)</i>   |
| 13:00-14:15   | <b>Lunch</b>          |   |
| <b>Session B3</b><br><i>Chairperson: Serena Riela (University of Catania)</i>             |                       |   |
| 14:15-14:45   | IL-6                  | <b>Biocompatible lanthanide complexes for responsive molecular imaging</b><br><i>Ka-Leung Wong (Gary) (City University Hong Kong)</i>   |
| 14:45-15:15   | IL-7                  | <b>New insights in the photophysics and applications of thienoguanosine</b><br><i>Yves Mély (Université de Strasbourg)</i>  |
| 15:15-15:30   | OC-10                 | <b>Chemigenetic fluorescent sensors to visualize Na<sup>+</sup> and K<sup>+</sup> in cells</b><br><i>Takuya Terai (The University of Tokyo)</i>   |
| 15:30-15:45   | OC-11                 | <b>Novel quantitative methodology for studying inhibition of protein-protein interactions</b><br><i>Thomas Mills (Imperial College London)</i>  |
| 15:45-16:00   | OC-12                 | <b>Observing bioorthogonal macrocyclization in live cell nuclear envelope using on/on fluorescence lifetime microscopy</b><br><i>Sebastian Pim (Royal College of Surgeons in Ireland)</i>         |
| 16:00-16:30   | <b>Coffee Break</b>   |   |
| 16:30-18:30   | <b>Poster Session</b> |   |

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| 10 March 2026 (Tuesday)  |   |  |
|--|---|--|
| 8:30-9:00  | <b>Reception</b>  |  |
| <b>Session C1</b><br><i>Chairperson: Yves Mély (University of Strasbourg)</i>                |   |  |
| 9:00-9:45  | KN-2  | <b>Isomorphous fluorescent nucleosides, nucleotides and oligonucleotides</b><br><i>Yitzhak Tor (University of California San Diego)</i>                              |
| 9:45-10:15   | IL-8  | <b>Cellular labeling of DNA and RNA with fluorogenic dyes</b><br><i>Hans-Achim Wagenknecht (Karlsruhe Institute of Technology)</i>                                   |
| 10:15-10:30  | OC-13   | <b>Synthesis and characterization of RNA containing emissive isomorphous nucleotides</b><br><i>Julia Dietzsch (University of Würzburg)</i>                           |
| 10:30-10:45  | SP-3  | <b>Techniques to characterise biomolecules using fluorescence spectroscopy</b><br><i>Grant Cumming (HAMAMATSU-EDINBURGH INSTRUMENTS-NKT PHOTONICS)</i>               |
| 10:45-11:15  | <b>Coffee Break</b>   |  |
| <b>Session C2</b><br><i>Chairperson: Giorgia Oliviero (University of Napoli Federico II)</i> |   |  |
| 11:15-11:45  | IL-9  | <b>Supramolecular dynamic chemistry for membrane transport and biomimetic systems</b><br><i>Javier Montenegro (Universidad de Santiago de Compostela, CIQUS)</i>     |
| 11:45-12:15  | IL-10   | <b>4D single particle microscopy and AI synergy as a new era in studying nanoparticles cell entry mechanisms</b><br><i>Nikos Hatzakis (University of Copenhagen)</i> |
| 12:15-12:30  | OC-14   | <b>Exchangable fluorescent probes for long-term imaging of plasmic membrane</b><br><i>Rémi Pelletier (CNRS)</i>  |
| 12:30-12:45  | OC-15   | <b>Time-resolved FRET for multiplexed detection of antibodies</b><br><i>Arthur Charasson (McMaster University)</i>   |
| 12:45-13:00  | OC-16   | <b>FLIMBDs – benzodiazoles for fluorescence lifetime imaging</b><br><i>Deborah Seah (University of Edinburgh)</i>  |
| 13:00-14:15  | <b>Lunch</b>  |  |
| <b>Session C3</b><br><i>Chairperson: Nadia Barbero (University of Torino)</i>                |   |  |
| 14:15-14:45  | IL-11   | <b>Nitric oxide photoreleasing nanoconstructs with fluorescent reporting</b><br><i>Salvatore Sortino (University of Catania)</i>                                     |
| 14:45-15:00  | JIL   | <b>Benzoxanthene lignans: from discovery to novel bioactive derivatives</b><br><i>Claudia Sciacca (University of Catania)</i>  |
| 15:00-15:15  | OC-17   | <b>ZnO nanotetrapod synthesis and application in optoelectronics</b><br><i>Simas Rackauskas (Kaunas University of Technology)</i>                                    |
| 15:15-18:30  | <b>Social Activity</b><br><i>City Tour and Royal Palace</i> |  |
| 20:00-23:00  | <b>Conference Dinner</b><br><i>Arcadia</i>                  |  |

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| 11 March 2026 (Wednesday)   |       |   |
|---|-------|---|
| 8:30-9:00   |       | <b>Reception</b>  |
| <b>Session D1</b><br><i>Chairperson: Marcus Wilhelmsson (Chalmers University of Technology)</i> |       |   |
| 9:00-9:45   | KN-3  | <b>Illuminating biological systems using chemistry</b><br><i>Luke D. Lavis (Janelia Research Campus, Howard Hughes Medical Institute)</i>   |
| 9:45-10:15  | IL-12 | <b>BF<sub>2</sub>-Aazdipyromethene fluorophores research tools with the potential for clinical use</b><br><i>Donal F. O'Shea (Royal College of Surgeons in Ireland)</i>                               |
| 10:15-10:30   | OC-18 | <b>Teaching new tricks to old dyes: engineering and imaging strategies for high-resolution biology</b><br><i>Saumya Saurabh (New York University)</i>   |
| 10:30-10:45   | SP-5  | <b>TBD</b><br><i>Erika Tarro Genta (BUCHI)</i>  |
| 10:45-11:15   |       | <b>Coffee Break</b>   |
| <b>Session D2</b><br><i>Chairperson: Francesca Cardano (University of Torino)</i>               |       |   |
| 11:15-11:45   | IL-13 | <b>Photopharmacology: towards image-guided pharmacotherapy</b><br><i>Wiktoria Szymanski (University of Groningen)</i>   |
| 11:45-12:00   | OC-19 | <b>A red emitting carbon dot and aptamer- functionalized alginate system for targeted triple-negative breast cancer imaging</b><br><i>Letizia Sambri (University of Bologna)</i>                      |
| 12:00-12:15   | OC-20 | <b>Deep eutectic solvent-derived thermoresistant fluorescent material: development and characterization</b><br><i>Giulia Adriana Bracchini (University of Rome Tor Vergata)</i>                       |
| 12:15-12:30   | OC-21 | <b>Modeling light-controlled aspartate transport</b><br><i>Gülbahar Bozan (University of Groningen)</i>   |
| 12:30-12:45   | OC-22 | <b>Development of tunable and STED-compatible NIR fluorophores for super-resolution imaging in live cells</b><br><i>Celia Paramio (Royal College of Surgeons in Ireland)</i>                          |
| 12:45-13:00   | OC-23 | <b>Measuring photoluminescence quantum yield of difficult samples</b><br><i>Grant Cumming (HAMAMATSU-EDINBURGH INSTRUMENTS-NKT PHOTONICS)</i>   |
| 13:00-14:15   |       | <b>Lunch</b>  |
| <b>Session D3</b><br><i>Chairperson: Andrea Fin (University of Torino)</i>                      |       |   |
| 14:15-14:45   | IL-14 | <b>Bright tools in chemical biology</b><br><i>Francesca Cardano (University of Torino)</i>  |
| 14:45-15:00   | OC-24 | <b>Exploring Si-phthalocyanines with different valency for PSMA-targeted photodynamic therapy: synthesis and preclinical validation</b><br><i>Rachele Stefania (University of Piemonte Orientale)</i> |
| 15:00-15:15   | OC-25 | <b>Sustainable synthesis of fluorescent furano-chalcones</b><br><i>Laura Tedesco (University of Torino)</i>   |
| 15:15-15:30   | OC-26 | <b>Naphthalene-diimide-based down-converters and other approaches towards bio-based lighting</b><br><i>Sara Ferrara (University of Torino)</i>  |
| 15:30-15:45   |       | <b>Prizes and Closing Remarks</b><br><i>Francesca Cardano (University of Torino)</i>  |