

European Young Crystallographers – Satellite Meeting Program

Monday, 25th August 2025

9:00 – 9:05	Opening remarks	
Session 1		Chair: Emanuele Priola
9:05 – 9:20	[O1]	Mattia Lopresti <i>Structural and optoelectronic characterization of lead-halide perovskites incorporating sulfonium cations</i>
9:20 – 9:35	[O2]	Michał Fabiański <i>Structural characterization of NaDCC solvates with glymes and crown ethers for the design of next-generation solid polymer electrolytes</i>
9:35 – 9:50	[O3]	Théodore Arnaud <i>Bacterial toxin interaction with human glycolipid: Structure of Pseudomonas aeruginosa lectin LecA/galactose complex using neutron macromolecular crystallography</i>
9:50 – 10:05	[O4]	Elizabeth R. Arnold <i>Local distortions and orbital disorder in ultra-high A-site variance perovskite $Ce_{0.5}Ba_{0.5}MnO_3$</i>
10:05 – 10:20	[O5]	Benjamin Marinus Darwin Fahl <i>Investigating trimer on dynamics and lattice instabilities in Magnetite</i>
10:20 – 10:55	☕ Coffee break	
Session 2		Chair: Stefano Canossa
10:55 – 11:10	[O6]	Peter Smyth <i>High-throughput fixed target SFX for pharmaceutical screening at the European XFEL</i>
11:10 – 11:25	[O7]	Banaz Fetah <i>Discovery of a new high-pressure phase of Posaconazole</i>
11:25 – 11:40	[O8]	Urban Leitgeb <i>N-glycosylation-driven dimerization: finding the sweet spot in myeloperoxidase biosynthesis</i>
11:40 – 11:55	[O9]	Natasza Jakubik <i>Cocrystals of tricyclic antidepressant with cucurbiturils</i>
11:55 – 12:00	[F1]	Milica Bogdanović <i>Quantum Chemical Study of Intermolecular Interactions in Muricatacin Polymorphs</i>
12:00 – 12:05	[F2]	Daniel M. Tchoń <i>Generalizing Instamatic data collection framework for electron crystallography</i>
12:05 – 12:10	[F3]	Swati Aggarwal <i>Structural biology with Neutron Macromolecular Diffractometer at ESS</i>
12:10 – 12:15	[F4]	Filippo Ballerini <i>Beyond Static Profiles: Stretched NMF for Phase-Resolved Analysis of MOFs via Variable-Temperature and Pressure PXRD</i>

12:15 – 13:15	 Poster session
13:15 – 14:15	 Lunch break
Session 3 Chair: Helena Butkiewicz	
14:15 – 14:30	[O10] Adrian Kowaliński <i>Rare-earth MCAs: Synthesis and surrogate studies for actinide immobilization in oxide nanomaterials</i>
14:30 – 14:45	[O11] Somnath Dey <i>Non trivial disorder–modulated phase transitions in p-terphenyl and p-quarterphenyl crystals</i>
14:45 – 15:00	[O12] Calum S. Sangster <i>3-Dimensional Electron Diffraction and In Situ Activation of Metal Organic Frameworks</i>
15:00 – 15:15	[O13] Margaret Klureza <i>Implementing electric field-stimulated X-ray crystallography at EMBL P14 T-REXX using Hadamard time-resolved X-ray crystallography</i>
15:15 – 15:30	[O14] Jaskaran Mangat <i>Hidden broken symmetries and magnetic behaviour of the nickelate series $Pr_{2-x}Ca_xNiO_{4+\delta}$ ($\delta \gg 0$, $\delta \approx 0$)</i>
15:30 – 15:45	[O15] Aleksandra Zwolenik <i>Refining Anomalous Dispersion Parameters to reflect actual “oxidation states” in gold(I) compounds</i>
15:45 – 15:50	Closing remarks

Oral presentation: 15 minutes including questions

Flash presentation: 5 minutes without questions