



DETAILED PROGRAM

Monday, October 6th, 2025 - 1/2

Trainee Symposium

08h30	 Registration
09h00 - 09h10	 Welcome remarks -Trainee symposium (B. Wagner)
09h10 - 09h25	Chair: Manon Sturbaut <i>Trainee communications</i> TC01 Rob Lammers - Leiden University, Netherlands <i>β-D-Arabinofuranosyl Cyclitol Aziridines as First-In-Class Covalent and Selective GBA2- Binding Scaffold</i>
09h25 - 09h40	TC02 Pierre Nicolas Bizat - Institut Pasteur, Paris, France <i>Towards the enzymatic labelling of oligonucleotides with triantennary N-acetyl galactosamine</i>
09h40 - 09h55	TC03 Federica A. Souto-Trinei - Centro Interdisciplinar de Química e Biología, Universidade da Coruña, Spain <i>Phospholipid-like Molecules: Engineering Functional Compartments for the Spatial Control of Biochemical Processes</i>
09h55 - 10h20	 Coffee break
10h20 - 10h35	Chair: Marc Panosetti <i>Trainee communications</i> TC04 Ruirui Zhang - Max Planck Institute of Molecular Physiology, Dortmund, Germany <i>Covalent Modification of Glutamic Acid Inspired by HaloTag Technology</i>
10h35 - 10h50	TC05 Mikkel Høj Nielsen - Aarhus University, Denmark <i>Artificial internalizing receptors for depletion of extracellular target proteins</i>
10h50 - 11h05	TC06 Brecht Ellenbroek - Leiden University, Netherlands <i>Development of DuoMYC: a synthetic cell penetrant miniprotein that efficiently inhibits the oncogenic transcription factor MYC</i>
11h05 - 12h05	Chairs: Lisa Gourdon-Grünewaldt - Marc Panosetti PN01 Panel Discussion - <i>Careers in Chemical Biology - Yimon Aye (Uni. of Oxford) - Bridget Wagner (Arena Bioworks) - François Autelitano (Evotec) - Ruben Ragg (Wiley - Chemistry Europe)</i>
12h05 - 13h30	 Lunch



Monday, October 6th, 2025 - 2/2

13h30 - 13h45	<i>Lisa Gourdon-Grünewaldt</i> <i>Trainee communications</i> TC07 Khanh Chi Nguyen-Pham- Université Grenoble Alpes, France <i>Deciphering Protein-Ligand Interactions Using Protein Language Models</i>
13h45 - 14h00	TC08 Veronika Šlachtová - Institute of Organic Chemistry and Biochemistry, Prague, Czech Republic <i>New Fluorogenic Triazinium Probes for Bioimaging</i>
14h00 - 14h15	TC09 Dorothea Kossmann - University of Zurich, Switzerland <i>Illuminating bacterial physiology – A ratiometric pH sensor for Gram-positive and Gram-negative bacteria</i>
14h15 - 14h30	TC10 Hayoung Son - Seoul National University, Korea <i>Unveiling the structure-fluorogenic property relationship of monochromophoric bioorthogonal tetrazine probes</i>
14h30 - 14h35	Spotlight RSC Chemical Biology - Anna Rulka
14h35 - 14h55	<i>Chair: Lisa Gourdon-Grünewaldt</i> SCF-ChemBio PhD Thesis Award 2025 AW00 Lina El Hajji - CPCV, Sorbonne Université, Paris, France <i>Engineering and applications of chemogenetic fluorescent tags for advanced biological imaging</i>
14h55 - 15h40	<i>Chair: Bridget Wagner</i> KL00 Raphaël Rodriguez - Institut Curie, Paris, France <i>Chemical Control of Cell Adaptation</i>
15h40	<i>End of Trainee Symposium</i>

ICBS/ECBS 2025 Symposium

15h45 - 17h00	 <i>Registration</i>
17h00 - 17h10	 <i>Conference Welcome (B. Vauzeilles)</i>
17h10 - 18h00	<i>Chair: Boris Vauzeilles</i> <i>Opening Keynote lecture</i> KL01 Sir Shankar Balasubramanian - University of Cambridge, UK <i>Chemical biology of the genome</i>
18h00 - 19h30	 <i>Networking & Welcome Drinks</i>



Tuesday, October 7th, 2025 - 1/2

09:00 - 09:45	<i>Chair: Bahne Stechmann</i> KL02 Herbert Waldmann - Max Planck Institute of Molecular Physiology, Dortmund, Germany <i>Pseudo Natural Products – Chemical Evolution of Natural Product Structure</i>
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Session 1: The contribution of Natural Products to Chemical Biology

09h45 - 10h05	<i>Chair: Bahne Stechmann</i> IL01 Jeanette Andersen - University of Tromsø, Norway <i>Arctic marine bioactive compounds as a starting point for chemical optimization towards clinical candidates</i>
10h05 - 10h25	IL02 Olivier Loiseleur - Syngenta, Stein, Switzerland <i>Artificial internalizing receptors for depletion of extracellular target proteins</i>
10h25 - 10h45	OC01 Francisco Castillo - MEDINA, Granada, Spain <i>Exploring the druggability of hTOM70 as a host-oriented broad-spectrum antiviral target via microbial natural product HTS</i>
10h45 - 10h50	Organizer presentation SCF-ChemBio - Boris Vauzeilles
10h50 - 11h15	 Coffee break
11h15 - 12h00	<i>Chair: Douglas Auld</i> KL03 Matthew Disney - Scripps Research Institute, Jupiter, USA <i>Sequence-based design of small molecules targeting RNA structure</i>

Session 2: Targeting RNA mechanisms

12h00 - 12h20	<i>Chair: Douglas Auld</i> IL03 Katlin Massirer - Center for Medicinal Chemistry (CQMED), Universidade de Campinas, Brazil <i>Targeting RNA mechanisms</i>
12h20 - 12h40	IL04 Sébastien Campagne - INSERM, ARNA unit, Bordeaux, France <i>Specific splicing correction by small molecules and 5'-splice site bulge repair mechanism</i>
12h40 - 13h00	OC02 Liang Cheng - Institute of Chemistry, Chinese Academy of Sciences, Beijing, China <i>Illuminating Life: Precision Control of RNA with Light</i>
13h00 - 13h05	Organizer presentation International Chemical Biology Society (ICBS) - Douglas Auld
13h05 - 14h30	 Lunch
14h30 - 15h15	ICBS Global Lectureship Award <i>Chair: Douglas Auld</i> AW01 Lixin Zhang - East China University of Science and technology, Shanghai, China <i>Orchestrating secondary metabolite production in streptomyces</i>



Tuesday, October 7th, 2025 - 2/2

Session 3: Chemical inducers of proximity – Hybrigenics session

15h15-15h35	<i>Chair: Philip Gribbon</i> IL05 Ivan Đikić - Goethe Universität Frankfurt, Germany <i>Targeting the Ubiquitin and Autophagy networks</i>
15h35-15h55	IL06 Agnieszka Konopacka - The Institute of Cancer Research, London, UK <i>Induced Proximity Therapeutics for Cancer</i>
15h55-16h15	OC03 Giorgia Kidd - Centre for Targeted Protein Degradation, University of Dundee, UK <i>Identification of KRAS PROTACs Targeting GTP- loaded Alleles</i>
16h15-16h20	Spotlight Bioorganic Chemistry Gordon Research Conference - Damian W. Young
16h20-16h45	 Coffee break

Session 4: Genome base editing and precision chemistry for therapy – EFMC session

16h45 - 17h05	<i>Chair: Beatriz de Pascual-Teresa</i> IL07 Claudia Höbartner - Universität Würzburg, Germany <i>Targeting RNA by alkyltransferase ribozymes</i>
17h05 - 17h25	IL08 Chase Beisel - Helmholtz Institute for RNA- based Infection Research (HIRI), Würzburg, Germany <i>Programmable gene editing by appending chemical groups to DNA</i>
17h25 - 17h45	OC04 Angela Steinauer - Ecole Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland <i>Engineered Protein Cages for RNA Delivery</i>
17h55 - 18h05	AS01 Marie Hinnebo – Christophe Biot - Université de Lille, France <i>Chembioart: Exploring the Aesthetic and Narrative Dimensions of Chemical Biology</i>
18h05 - 19h20	PO1  Poster Session (odd numbers) and Wine and Cheese (with Vegetables and Juices)
20h15	 Cruise on the Seine river



Wednesday, October 8th, 2025 - 1/2

09:00 - 09-45	<i>Chair: Philip Gribbon</i> KL04 Daniel Nomura - University of California, Berkeley, USA <i>Reimagining Druggability using Chemoproteomic Platforms</i>
Session 5: Chemoproteomics-enabled Drug Discovery	
09h45 - 10h05	<i>Chair: Philip Gribbon</i> IL09 Carsten Hopf - Center for biomedical Mass Spectrometry and Optical Spectroscopy (CeMOS), Hochschule Mannheim, Germany <i>Spatial Chemical Biology and Spatial Metabolomics using Mass Spectrometry</i>
10h05 - 10h25	IL10 Massimiliano Gaetani- Karolinska Institute, Stockholm, Sweden <i>Multimodal and Proteome-Wide MS-based Deconvolution of Drug Targets and Mechanisms of Action with Validation and Characterization of Drug-Target Interaction</i>
10h25 - 10h45	OC05 Debojit Bhattacharjee - Mositt Cancer Center, Tampa, USA <i>High-Throughput Fragment-Based Chemical Proteomics Reveals Differentially Ligandable Targets in Lung Cancer Subtypes</i>
10h45 - 10h50	Organizer presentation EU-OPENSREEN - Bahne Stechmann
10h50 - 11h15	 Coffee break
11h15 - 12h00	<i>Chair: Bridget Wagner - Syngenta lecture</i> KL05 Christopher Chang - Princeton University, USA <i>Activity-Based Sensing: Leveraging Chemical Reactivity to Study Biology at the Atomic Scale</i>
Session 6: Compound profiling for drug discovery	
12h00 - 12h20	<i>Chair: Bridget Wagner</i> IL11 Christopher Schmied - EU-OPENSREEN <i>Large scale Cell Painting dataset enables prediction of chemical compound properties</i>
12h20 - 12h40	IL12 Jess Ewald - EMBL-EBI, Hinxton, UK <i>Cell Painting for cytotoxicity and mode-of- action analysis in liver-relevant cell lines</i>
12h40 - 13h00	OC06 Päivi Tammela - University of Helsinki, Finland <i>Functional Precision Medicine through Ex Vivo Drug Sensitivity Testing</i>
13h00 - 13h05	Organizer presentation ChemBioLife: EuChemS Division of Chemical Biology and Chemistry in Life Sciences - Francesco Peri
13h05 - 14h30	 Lunch
14h30 - 15h15	<i>Chair: Sonsoles Martín-Santamaría</i> KL06 Barbara Imperiali - Massachusetts Insitute of technology, Cambridge, USA <i>Orchestrating secondary metabolite production in streptomyces</i>



Wednesday, October 8th, 2025 - 2/2

Session 7: Computational and AI methods

15h15-15h35	<i>Chair: Sonsoles Martín-Santamaría</i> IL13 Sereina Riniker - ETH Zürich, Switzerland <i>Conformational flexibility of (bio)molecules: Combining experiments and computation</i>
15h35-15h55	IL14 Zoe Cournia - Academy of Athens, Greece <i>Predicting protein-ligand, protein-protein and protein-membrane interactions using molecular simulations and AI</i>
15h55-16h15	OC07 Sandip Paul - IIT Guwahati, Assam, India <i>Molecular Tweezers in Biomedical Interventions: A Computational Perspective on Their Possible Versatile Therapeutic Applications</i>
16h15-16h25	Spotlight ChemBioFrance and EU-OPENSREEN - Florence Mahuteau - Philip Gribbon
16h25-16h50	 Coffee break

Session 8: Chemical glycobiology

16h50 - 17h10	<i>Chair: Boris Vauzeilles</i> IL15 Ben Schumann - Technische Universität Dresden, Germany <i>Chemical Precision Tools to Dissect Protein Glycosylation</i>
17h10 - 17h30	IL16 Sébastien Gouin - Nantes Université, France <i>Electrochemical Wiring of Sugars onto Proteins and Living Cells</i>
17h30 - 17h50	OC04 Arnaud Lehner - Université de Rouen Normandie, Rouen, France <i>Dynamic imaging of plant cell wall pectic polysaccharides by metabolic click-mediated labeling</i>
17h50-17h55	Spotlight Chemistry Europe - Ruben Ragg
17h55 - 19h10	PO2  Poster Session (even numbers) and Beer and Charcuterie (with Vegetables and Juices)
20h00	 Gala dinner



Thursday, October 9th, 2025 - 1/2

09h00 - 09h45	<i>Chair: Francesco Peri</i> KL04 Yimon Aye - University of Oxford, United Kingdom <i>The many guises of reactive metabolite signaling</i>
Session 9: Chemistry <i>in vivo</i>	
09h45 - 10h05	<i>Chair: Francesco Peri</i> IL17 Marc Vendrell - The University of Edinburgh, UK <i>Spatial Chemical Biology and Spatial Metabolomics using Mass Spectrometry</i>
10h05 - 10h25	IL18 Bengang Xing - The Hong Kong Polytechnic University, Kowloon, Hong Kong <i>Orthogonal Molecular Toolkits for Precision Bio-Imaging & Therapeutic ENCTACs Manipulation</i>
10h25 - 10h45	OC09 Swathi Vanaja Chandrasekharan - Tata Institute of Fundamental Research Hyderabad, India <i>GPCR-targeted imaging and manipulation of homeostatic microglia in living systems</i>
10h45 - 10h50	Spotlight Société de Chimie Thérapeutique - Yann Foricher
10h50 - 11h15	 Coffee break
11h15 - 12h00	<i>Chair: Francesco Peri</i> KL08 Amanda Hargrove - University of Toronto, Canada <i>Strategies to modulate the conformation and function of RNA with small molecules</i>
Session 10: Activity-based probes	
12h00 - 12h20	<i>Chair: Sébastien Papot</i> IL19 Louise Walport - Francis Crick Institute, London, UK <i>Found in translation: new target binding sites for cyclic peptides</i>
12h20 - 12h40	IL20 Mélanie Ethève-Quelquejeu - Université Paris Cité, France <i>Chemical probes targeting β-lactam-binding proteins</i>
12h40 - 13h00	OC10 Kevin Renault - Institut Curie, Orsay, France <i>Design of NIR fluorophores for two-photon absorption</i>
13h00 - 13h05	Spotlight Société Française de Biochimie et Biologie Moléculaire - Hélène Munier-Lehmann
13h05 - 14h30	 Lunch
14h30 - 15h00	ICBS Annual Business Meeting



Thursday, October 9th, 2025 - 2/2

Session : ICBS Young Chemical Biologist - Rising Stars

15h00 - 15h20	<i>Chairs: Douglas Auld - Bridget Wagner</i> AW02 Chayasith Uttamapinant - Vidyasirimedhi Institute of Science and Technology (VISTEC), Rayong, Thailand <i>Engineering multiphase protein condensates for DNA amplification and disease detection</i>
15h20 - 15h40	AW03 Fleur M. Ferguson - University of California San Diego, USA <i>Interrogating the Druggable Proteome with Proximity Pharmacology</i>
15h40 - 16h00	AW04 Hannes Mikula - TU Wien, Austria <i>Unlocking Chemistry: Next-Level Bioorthogonal Click-To-Release</i>

16h00 - 16h25  Coffee break

16h25 - 16h30 **Spotlight** | **SCF-ChemBio Young Chemical Biologists** - Lina El Hajji

16h30 - 17h15

Chair: Francesco Peri

KL09 | **Alessio Ciulli** - University of Dundee, UK

Induced Proximity-Pharmacology: PROTACs/Molecular Glue Degraders and beyond

Session : EuChemS ChemBioLife and SCF-ChemBio Awards

17h15 - 17h35	<i>Chairs: Francesco Peri - Boris Vauzeilles</i> EuChemS ChemBioLife Award 2023 AW05 Nadja A. Simeth-Crespi - Georg-August- University of Göttingen, Germany <i>Manipulating Peptides and Proteins with Light</i>
17h35 - 17h55	SCF-ChemBio Young Researcher Award 2024 AW06 Julie Karpenko - LIT, Université de Strasbourg, France <i>Synthesis and application of fluorescent antimicrobial peptides</i>
17h55 - 18h15	SCF-ChemBio Young Researcher Award 2025 AW07 Arnaud Chevalier - CNRS-ICSN, Gif-sur-Yvette, France <i>Real-time imaging of mitochondrial reductase-mediated chemical transformations with smart fluorogenic probes</i>

18h15 - 18h20 **Spotlight** | **GDR-ChemBio - Groupement de Recherche en Chémobiologie** - Christophe Biot

18h20 - 18h45  Awards and Conclusion Remarks

18h45 *End of Symposium*

