



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

Trainee communications

TC01 | Rob Lammers - Leiden University, Netherlands

β -D-Arabinofuranosyl Cyclitol Aziridines as First-In-Class Covalent and Selective GBA2- Binding Scaffold

09h25 - 09h40

TC02 | Pierre Nicolas Bizat - Institut Pasteur, Paris, France

Towards the enzymatic labelling of oligonucleotides with triantennary N-acetyl galactosamine

09h40 - 09h55

TC03 | Federica A. Souto-Trinei - Centro Interdisciplinar de Química e Biología, Universidade da Coruña, Spain

Phospholipid-like Molecules: Engineering Functional Compartments for the Spatial Control of Biochemical Processes

09h55 - 10h20



Coffee break

10h20 - 10h35

Chair: Marc Panosetti

Trainee communications

TC04 | Ruirui Zhang - Max Planck Institute of Molecular Physiology, Dortmund, Germany

Covalent Modification of Glutamic Acid Inspired by HaloTag Technology

10h35 - 10h50

TC05 | Mikkel Høj Nielsen - Aarhus University, Denmark

Artificial internalizing receptors for depletion of extracellular target proteins

10h50 - 11h05

TC06 | Brecht Ellenbroek - Leiden University, Netherlands

Development of DuoMYC: a synthetic cell penetrant miniprotein that efficiently inhibits the oncogenic transcription factor MYC

11h05 - 12h05

Chairs: Lisa Gourdon-Grünwaldt - Marc Panosetti

PN01 | Panel Discussion -

Careers in Chemical Biology - Yimon Aye (Uni. of Oxford) - Bridget Wagner (Arena Bioworks) - François Autelitano (Evotec) - Ruben Ragg (Wiley - Chemistry Europe)

12h05 - 13h30



Lunch



Monday, October 6th, 2025 - 2/2

13h30 - 13h45	Lisa Gourdon-Grünewaldt <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 Šlachťová - 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	Chair: Lisa Gourdon-Grünewaldt 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	Chair: Bridget Wagner 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  *Registration*

17h00 - 17h10  *Conference Welcome (B. Vauzeilles)*

17h10 - 18h00 **Chair: Boris Vauzeilles**
Opening Keynote lecture
KL01 | Sir Shankar Balasubramanian - University of Cambridge, UK
Chemical biology of the genome

18h00 - 19h30  *Networking & Welcome Drinks*



Tuesday, October 7th, 2025 - 1/2

09:00 - 09:45

Chair: Bahne Stechmann

KL02 | Herbert Waldmann - Max Planck Institute of Molecular Physiology, Dortmund, Germany
Pseudo Natural Products – Chemical Evolution of Natural Product Structure

Session 1: The contribution of Natural Products to Chemical Biology

09h45 - 10h05

Chair: Bahne Stechmann

IL01 | Jeanette Andersen - University of Tromsø, Norway
Arctic marine bioactive compounds as a starting point for chemical optimization towards clinical candidates

10h05 - 10h25

IL02 | Olivier Loiseleur - Syngenta, Stein, Switzerland
Artificial internalizing receptors for depletion of extracellular target proteins

10h25 - 10h45

OC01 | Francisco Castillo - MEDINA, Granada, Spain
Exploring the druggability of hTOM70 as a host-oriented broad-spectrum antiviral target via microbial natural product HTS

10h45 - 10h50

Organizer presentation | SCF-ChemBio - Boris Vauzeilles

10h50 - 11h15



Coffee break

11h15 - 12h00

Chair: Douglas Auld

KL03 | Matthew Disney - Scripps Research Institute, Jupiter, USA
Sequence-based design of small molecules targeting RNA structure

Session 2: Targeting RNA mechanisms

12h00 - 12h20

Chair: Douglas Auld

IL03 | Katlin Massirer - Center for Medicinal Chemistry (CQMED), Universidade de Campinas, Brazil
Targeting RNA mechanisms

12h20 - 12h40

IL04 | Sébastien Campagne - INSERM, ARNA unit, Bordeaux, France
Specific splicing correction by small molecules and 5'-splice site bulge repair mechanism

12h40 - 13h00

OC02 | Liang Cheng - Institute of Chemistry, Chinese Academy of Sciences, Beijing, China
Illuminating Life: Precision Control of RNA with Light

13h00 - 13h05

Organizer presentation | International Chemical Biology Society (ICBS) - Douglas Auld

13h05 - 14h30



Lunch

14h30 - 15h15

ICBS Global Lectureship Award

Chair: Douglas Auld

AW01 | Lixin Zhang - East China University of Science and Technology, Shanghai, China
Orchestrating secondary metabolite production in streptomyces



Tuesday, October 7th, 2025 - 2/2

Session 3: Chemical inducers of proximity – Hybrigenics session

15h15-15h35	Chair: Philip Gribbon 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 GDR-ChemBio - Groupement de Recherche en Chémobiologie - Christophe Biot
16h20-16h45	 Coffee break

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

16h45 - 17h05	Chair: Beatriz de Pascual-Teresa 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>Chemioart: 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

Chair: Philip Gribbon

KL04 | **Daniel Nomura** - University of California, Berkeley, USA

Reimagining Druggability using Chemoproteomic Platforms

Session 5: Chemoproteomics-enabled Drug Discovery

09h45 - 10h05

Chair: Philip Gribbon

IL10 | **Massimiliano Gaetani** - Karolinska Institute, Stockholm, Sweden

Multimodal and Proteome-Wide MS-based Deconvolution of Drug Targets and Mechanisms of Action with Validation and Characterization of Drug-Target Interaction

10h05 - 10h25

OC05 | **Debojit Bhattacharjee** - Mositt Cancer Center, Tampa, USA

High-Throughput Fragment-Based Chemical Proteomics Reveals Differentially Ligandable Targets in Lung Cancer Subtypes

10h25 - 10h45

OC10 | **Kevin Renault** - Institut Curie, Orsay, France

Design of NIR fluorophores for two-photon absorption

10h45 - 10h50

Organizer presentation | **ChemBioLife: EuChemS Division of Chemical Biology and Chemistry in Life Sciences** - Francesco Peri

10h50 - 11h15



Coffee break

11h15 - 12h00

Chair: Bridget Wagner - Syngenta lecture

KL05 | **Christopher Chang** - Princeton University, USA

Activity-Based Sensing: Leveraging Chemical Reactivity to Study Biology at the Atomic Scale

Session 6: Compound profiling for drug discovery

12h00 - 12h20

Chair: Bridget Wagner

IL11 | **Christopher Schmied** - EU-OPENSREEN

Large scale Cell Painting dataset enables prediction of chemical compound properties

12h20 - 12h40

IL12 | **Jess Ewald** - EMBL-EBI, Hinxton, UK

Cell Painting for cytotoxicity and mode-of- action analysis in liver-relevant cell lines

12h40 - 13h00

OC06 | **Päivi Tammela** - University of Helsinki, Finland

Functional Precision Medicine through Ex Vivo Drug Sensitivity Testing

13h00 - 13h05

Organizer presentation | **EU-OPENSREEN** - Bahne Stechmann

13h05 - 14h30



Lunch

14h30 - 15h15

Chair: Sonsoles Martín-Santamaría

KL06 | **Barbara Imperiali** - Massachusetts Institute of technology, Cambridge, USA

Rolling Out Glycan Assembly: A Tale of Two Topologies



Wednesday, October 8th, 2025 - 2/2

Session 7: Computational and AI methods

15h15-15h35	Chair: Sonsoles Martín-Santamaría 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	Chair: Boris Vauzeilles IL15 Ben Schumann - Technische Universität Dresden, Germany - EMBO Young Investigator Lecture <i>Chemical Precision Tools to Dissect Protein Glycosylation</i>
17h10 - 17h30	IL16 Sébastien Guoin - 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	IL21 Marc Nazaré - FMP Berlin - Berlin, Germany <i>Tailoring Chemical Probes for the Visualization of the Endocannabinoid System</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	Chairs: Douglas Auld - Bridget Wagner 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 <i>Induced Proximity-Pharmacology: PROTACs/Molecular Glue Degraders and beyond</i>

Session : EuChemS ChemBioLife and SCF-ChemBio Awards

17h15 - 17h35	Chairs: Francesco Peri - Boris Vauzeilles 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 Bioorganic Chemistry Gordon Research Conference - Damian W. Young
18h20 - 18h45	 Awards and Conclusion Remarks
18h45	<i>End of Symposium</i>

