

EuroBIC 18 — Programme

Version: 13 Jul 2026, 15:34

Day 1 — Sunday, 12 July 2026

15:00-16:30 · Registration

16:30-16:50 · Opening

17:00-17:50 · Plenary (chair Marcel Swart)

Main Lecture Hall - FGB · Bio-Inspired Catalyst Design for Small Molecule Activation in Multi-Electron Reduction Processes

· Carole Duboc [\[Plenary\]](#)

18:10-19:30 · Reception

Day 2 — Monday, 13 July 2026

08:30-09:00 · Registration

09:00-09:50 · Plenary Chair (Dennis Hetterschied)

Main Lecture Hall - FGB · Metal-Modified Nucleic Acids – From Characterization to Application · Metal-Modified Nucleic Acids – From Characterization to Application · *Jens Müller* [\[Plenary\]](#)

09:50-10:00 · Change rooms

10:00-10:30 · Keynote

Main Lecture Hall - FGB · Unveiling an atlas of the structural and functional space of multiheme cytochromes c · *Ricardo O Louro* [\[Keynote\]](#)

5111.022 NB4 · Abiotic Reactions Catalyzed by Hemoproteins Reconstituted with Artificial Metal Porphyrinoids · *Takashi Hayashi* [\[Keynote\]](#)

5111.080 NB4 · Novel developments in the field of albumin-binding therapeutics · *Petra Heffeter* [\[Keynote\]](#)

10:30-10:50 · Invited and oral lectures

Main Lecture Hall - FGB · NMR Studies of Multidomain Snail Metallothioneins: Metalation, Metal Selectivity and High Pressure Studies · *Oliver Zerbe* [\[Invited\]](#)

5111.022 NB4 · Peroxidase Activity of a Hemin-Protein Complex Based Upon the LmrR Scaffold · *Kathryn Splan* [\[Invited\]](#)

5111.080 NB4 · Supramolecular recognition of DNA and RNA junction structures · *Michael Hannon* [\[Invited\]](#)

10:50-11:05

Main Lecture Hall - FGB · Active site bound hydrogen species in hydrogenases studied by sensitivity-enhanced NMR · *Lukas Kaltschnee* [\[Oral\]](#)

5111.022 NB4 · Redox tuning of engineered heme protein active sites and catalytic implications · *Michelle Mahler* [\[Oral\]](#)

5111.080 NB4 · Silver(I) metallodrugs of antibiotics as therapeutic hydrogels for contact lenses · *Christina Banti* [\[Oral\]](#)

11:05-11:25 · Coffee

11:25-11:45 · Invited and Oral lectures

Main Lecture Hall - FGB · Processing tRNAs and Metal Ions at the Core of Recoding Gut Bacteriophages - Theta Ribozymes, a New Subfamily of HDV-like Ribozymes · *Roland K.O. Sigel* [\[Invited\]](#)

5111.022 NB4 · Nickel chaperones in *Helicobacter pylori*: the case of UreE and HypA · *Stefano Ciurli* [\[Invited\]](#)

5111.080 NB4 · Beyond Cisplatin to Next-Generation Metallotherapeutics: Mechanism-Driven Design of Hybrid Metallodrugs Targeting Breast Cancer Cells Proliferation · *Sotiris Hadjikakou* [\[Invited\]](#)

11:45-12:00

Main Lecture Hall - FGB · Paramagnetic Cu²⁺ Probes Reveal Higher-Order G-Quadruplex Architectures: A Multi-Scale EPR Approach to DNA Structural Biology · *Yury Kutin* [\[Oral\]](#)

5111.022 NB4 · Structure, Function, Spectroscopy, and Biosynthesis of Histidine-Coordinated [2Fe-2S] Proteins · *Antonio J. Pierik* [\[Oral\]](#)

5111.080 NB4 · Preferential Mitochondrial DNA Targeting by an Antitumor NHC-Re(I) Complex Enables Chemotherapy · *Amlanjyoti Dutta* [\[Oral\]](#)

12:00-12:15

Main Lecture Hall - FGB · Systematic disruption of Tyr/Trp pathways amplifies the ROS formation 25-fold in multicopper oxidase: RRDE electrochemical studies · *Patrycja Kielb* [\[Oral\]](#)

5111.022 NB4 · Inter-Protein Electron Transport Between Metal Sites in Respiratory and Photosynthetic Complexes · *Pau Gorostiza* [\[Oral\]](#)

5111.080 NB4 · The ruthenium complex BOLD-100 rewires nucleotide and one-carbon metabolism leading to accumulation of the metabolite S-adenosyl methionine · *Theresa Mendrina* [\[Oral\]](#)

12:15-13:30 · Poster session and Lunch

Atrium Feringa building · Poster Session [\[Other\]](#)

13:30-14:00 · Keynote

Main Lecture Hall - FGB · Serial femtosecond crystallography of high-valent metal sites and protein radicals · *Martin Högbom* [\[Keynote\]](#)

5111.022 NB4 · Terpyridine-Based Metal Complexes as Multifunctional Platforms for Chemo- and Photocatalytic Cancer Therapy · *M. Concepción Gimeno* [\[Keynote\]](#)

5111.080 NB4 · On the path to mimicking Rieske Dioxxygenases. Cis-dihydroxylation of arenes with small molecule iron complexes · *Miquel Costas* [\[Keynote\]](#)

14:00-14:20 · Invited and oral lectures

Main Lecture Hall - FGB · Mapping the gas channel of [FeFe] hydrogenases · *Ingrid Span* [\[Invited\]](#)

5111.022 NB4 · Exploiting Metal-to-Metal Electron Transfer in a Ru(II) Polypyridine-Deferasirox Conjugate for Hypoxic Photodynamic Therapy · *Johannes Karges* [\[Invited\]](#)

5111.080 NB4 · Intramolecular Electron Transfer in Metalloradical Catalysis · *Bas de Bruin* [\[Invited\]](#)

14:20-14:35

Main Lecture Hall - FGB · A New Dimension for [FeFe]-hydrogenases: Novel Insight Revealed Through Two Dimensional Infrared Spectroscopy · *James Birrell* [\[Oral\]](#)

5111.022 NB4 · Novel pyridyl-benzimidazol Ir(III) Complexes Exhibit Mechanistically Divergent Phototoxicity in Cancer Cells: From Singlet Oxygen PDT to Intracellular Photocatalysis · *Marta Goicuría* [\[Oral\]](#)

5111.080 NB4 · Efficient Molecular Electrocatalyst Design for CO₂ Reduction: Exploring the Effect of Impulse Dynamics Over Selectivity · *Arnab Ghatak* [\[Oral\]](#)

14:35-14:50

Main Lecture Hall - FGB · Coupled Catalysis Powers Carbon Conversion · *Sven Timo Stripp* [\[Oral\]](#)

5111.022 NB4 · Breaking the Platinum Barrier: Manganese(II) and Nickel(II) Complexes as Emerging Phototherapeutic Agents · *Tukki Sarkar* [\[Oral\]](#)

5111.080 NB4 · De novo designed beta-hairpin peptides as LPMO mimics · *Luisa Ciano* [\[Oral\]](#)

14:50-15:15 · Coffee

15:15-15:45 · Keynotes

Main Lecture Hall - FGB · Unraveling Nitrogenase Cofactors: From Atomic Structure to Catalytic Control · *Johannes G Rebelein* [\[Keynote\]](#)

5111.022 NB4 · From Cell Monolayers to Orthotopic Xenografts: Assessing Ru(II) Polypyridyl Photosensitizers in Pancreatic Cancer · *Patrick Gamez* [\[Keynote\]](#)

5111.080 NB4 · Pushing Metal-Oxo Reactivity Beyond Hydrogen Atom Transfer: Toward Selective C-H Hydroxylation and Amination · *Jana Roithová* [\[Keynote\]](#)

15:45-16:05 · Invited and oral lectures

Main Lecture Hall - FGB · Discovery of novel CODHs beyond the current sequence space · *Henrik Land* [\[Invited\]](#)

5111.022 NB4 · Ru(II)-peptide conjugates for photoactivated chemotherapy · *Irene Regeni* [\[Invited\]](#)

5111.080 NB4 · Redox Events in Tungsten and Molybdenum Mimics for Acetylene Hydratase · *Nadia C. Mösch-Zanetti* [\[Invited\]](#)

16:05-16:25

Main Lecture Hall - FGB · FeS clusters in FeFe-hydrogenases: Insights into electron transfer and catalytic regulation · *Müge Kasanmascheff* [\[Invited\]](#)

5111.022 NB4 · Ru-COUBPY Complexes Enabling One-Photon Near-Infrared Photodynamic Therapy · *Diego Abad-Montero* [\[Oral\]](#)

5111.080 NB4 · Binding of As(III) to thiol containing molecules: an interaction with a key significance in the biochemical actions of arsenic · *Attila Jancsó* [\[Invited\]](#)

16:25-16:40

Main Lecture Hall - FGB · Mechanistic Insights into proton transfer and protonation sites in Molybdenum Nitrogenase Catalysis · *Kushal Sengupta* [\[Oral\]](#)

5111.022 NB4 · A New Strategy Against Antimicrobial Resistance: Targeting Metalloproteinase Virulence Factors via Peptide Mimetics · *Martyna Zawada* [\[Oral\]](#)

5111.080 NB4 · Modern Perspectives on Bioinspired Iron Porphyrin Oxidation Chemistry · *Silène Engbers* [\[Oral\]](#)

17:00-17:50 · Plenaries

Main Lecture Hall - FGB · Shining light on biological nitrogen fixation · *Serena DeBeer* [\[Plenary\]](#)

Day 3 — Tuesday, 14 July 2026

08:00-09:00 · Registration

09:00-09:50 · Plenaries

Main Lecture Hall - FGB · Metal Biology Beyond the Cell: A Bioinorganic View of Environmental Exposure · *Iseult Lynch* [\[Plenary\]](#)

09:50-10:00 · Change rooms

10:00-10:30 · Keynote

Main Lecture Hall - FGB · Binding of Lanthanides and Actinides Using Lanthanide-dependent Bacteria and their Biomolecules · *Lena Daumann* [\[Keynote\]](#)

5111.022 NB4 · Understanding P680+ - insights into high-valent oxidants that drive photosynthesis · *Aidan McDonald* [\[Keynote\]](#)

5111.080 NB4 · From metal-binding sites to metal recruitment mechanisms: steps forward in computational bioinorganic chemistry · *Jean-Didier Maréchal* [\[Keynote\]](#)

5615.105 FGB · New Possibilities for Upconversion Luminescence via Localized Excitation · *Hong Zhang* [\[Keynote\]](#)

10:30-10:50 · Invited and oral lectures

Main Lecture Hall - FGB · W-BioCat – heavy metal enzymes for sustainable industrial biocatalysis · *Peter-Leon Hagedoorn* [\[Invited\]](#)

5111.022 NB4 · Metal-Metal Cooperativity and Electronic Structure Adjustments Promoting the Sequential Steps of Acetyl-CoA Synthase Model Reactivity · *Franz Meyer* [\[Invited\]](#)

5111.080 NB4 · Dioxygen reactivity with late transition metal hydride complexes: M-H bond nature/mechanism correlation · *Paola Belanzoni* [\[Invited\]](#)

5615.105 FGB · Engineering the Nano-Bio Interface through Calixarene-Diazonium Surface Chemistry · *Gilles Bruylants* [\[Invited\]](#)

10:50-11:05

Main Lecture Hall - FGB · An atypical two-protein system for Rare Earth Elements acquisition and transport in *Pseudomonas putida*? · *Catherine Berthomieu* [\[Oral\]](#)

5111.022 NB4 · A Non-Heme High-Valent Iron-Oxo Complex in Cages Through In Situ Oxidation in a Metal Organic Frameworks · *Juan Chen* [\[Oral\]](#)

5111.080 NB4 · Metrazymes Network · A Curated Dataset and Machine Learning Approach for Artificial Metalloenzyme Optimization Exemplified for Streptavidin-Biotin Systems · *Ilayda Tolu* [\[Oral\]](#)

5615.105 FGB · Copper Storage Protein as a Promising Candidate for Stabilising Highly Fluorescent Metal Nanoclusters · *Fatemeh Tavakoli* [\[Oral\]](#)

11:05-11:25 · Coffee

11:25-11:45 · Invited and oral lectures

Main Lecture Hall - FGB · Exploring the catalytic reaction and application of molybdenum-containing formate dehydrogenase · *Silke Leimkuehler* [\[Invited\]](#)

5111.022 NB4 · Influence of stereoelectronic effects on hydrogen atom and oxygen atom transfer reactions involving high-valent iron-oxo complexes · *Ebbe Nordlander* [\[Invited\]](#)

5111.080 NB4 · Spin states and their importance in ligand binding to heme · *Mariusz Radoń* [\[Invited\]](#)

5615.105 FGB · From Metal Complexes to Theranostic Nanoplatfroms: New Strategies in Cancer, Antibacterial and Neurodegenerative Therapy · *Santiago Gómez-Ruiz* [\[Invited\]](#)

11:45-12:00

Main Lecture Hall - FGB · Structural and Functional Characterisation of the Electron Transfer System of Three-Domain AlkB from *P. naphthalenivorans* · *Reyana Ganguly* [\[Oral\]](#)

5111.022 NB4 · A Host-Guest Strategy to Achieve Selective and Robust CO₂-to-CO Electrocatalysis in Aqueous Media. · *Noémie Lalaoui* [\[Oral\]](#)

5111.080 NB4 · Can ferric-oxyl excited states explain elongated iron-oxygen bonds in heme peroxidase catalytic intermediates? · *Lewis James Williams* [\[Oral\]](#)

5615.105 FGB · Novel Platinum-Based Mitocans for the Treatment of Resistant Cancers: Synthesis, Targeted Delivery and Biological Studies. · *Nidhi Singh* [\[Oral\]](#)

12:00-12:15

Main Lecture Hall - FGB · Elucidating redox-dependent modifications in E. coli NO reductase Flavodiiron Protein's active site · *Filipe Folgosa* [\[Oral\]](#)

5111.022 NB4 · Mechanistic exploration of electrocatalytic N₂ reduction with Mo-pincer complex using VESI-MS. · *Atanu Rana* [\[Oral\]](#)

5111.080 NB4 · Do you even own a proton? Awkward spectroscopic quirks with reactivity implications for hemoprotein ferryls · *Radu Silaghi-Dumitrescu* [\[Oral\]](#)

5615.105 FGB · 8-Hydroxyquinoline derivatives and their half-sandwich complexes targeting multidrug resistant cancer cells: a comparative study · *Éva A. Enyedy* [\[Oral\]](#)

12:15-13:30 · Poster session and Lunch

13:30-14:00 · Keynote

Main Lecture Hall - FGB · Novel heteroleptic iridium(III) complexes containing COUBPY ligands for effective photoinduction of ferroptosis for cancer therapy · *Jose Ruiz* [\[Keynote\]](#)

5111.022 NB4 · mm-Wave (263 GHz) high power pulse EPR spectrometer and applications to high spin transition metal centers · *R. David Britt* [\[Keynote\]](#)

5111.080 NB4 · Less is More: Miniaturized Heme Enzymes with Broad Reactivity · *Angela Lombardi* [\[Keynote\]](#)

13:30-13:40 · Early Career Researcher (ECR) session

5615.105 FGB · RSC introduction to ECR section [\[Other\]](#)

13:40-13:55

5615.105 FGB · Development of AMBER force fields for the tungsten-pterin cofactor in aldehyde oxidoreductase across catalytic redox states · *Tommaso Attucci* [\[Oral\]](#)

13:55-14:10

5615.105 FGB · Machine Learning Modeling and Prediction of Transition-Metal Complex Properties · *Gustavo Clauss Rodrigues* [\[Oral\]](#)

14:00-14:20 · Invited and oral lectures

Main Lecture Hall - FGB · Merging Molecular Machines and Metal Complexes for Light-Activated Chemo Therapy · *Sina Katharina Goetzfried* [\[Invited\]](#)

5111.022 NB4 · Metal complexes in biology: how can we question speciation? Example of Mn-based antioxidants · *Clotilde Policar* [\[Invited\]](#)

5111.080 NB4 · Repurposing Cupin Protein as Artificial Non-heme Metalloenzymes · *Nobutaka Fujieda* [\[Invited\]](#)

14:10-14:25

5615.105 FGB · Structure and function of a P450 peroxidase and flavin oxidase chimeric enzyme (CYP-SOX) · *Francesco Giaretto* [\[Oral\]](#)

14:20-14:35

Main Lecture Hall - FGB · Ru(II)-Based Photoantibiotics: Light-Driven Eradication of Bacterial Biofilm and Rapid Healing of Infective Wounds in Wistar Rat · *Arif Ali Mandal* [\[Oral\]](#)

5111.022 NB4 · Direct and quantitative evaluation of cyclic electron flow activity · *Angeliki Chatziathanasiou* [\[Oral\]](#)

5111.080 NB4 · Rewiring electron transfer in natural and artificial heme enzymes · *Jack Rowbotham* [\[Oral\]](#)

14:25-14:40

5615.105 FGB · Rational Design of Iron(III) metallodrugs: Ligand Tuning drives Ferroptosis in triple negative breast cancer cells · *Astrid Bernkop-Schnürch* [\[Oral\]](#)

14:35-14:50

5111.022 NB4 · Spectroscopic and Photoacoustic Calorimetry Studies of the O₂-sensing FixL protein from *S. meliloti* Reveal New Intermediates in the Signal Transduction Mechanism · *Mark F Reynolds* [\[Oral\]](#)

5111.080 NB4 [\[Oral\]](#)

14:50-15:15 · Coffee

15:15-15:35 · Invited and oral lectures

Main Lecture Hall - FGB · Uncaging [3+2+1] iridium(III) complexes for combined photodynamic and photoactivated chemotherapy (PDT/PACT) · *Ulrich Schatzschneider* [\[Invited\]](#)

5111.022 NB4 · Metal-binding within coiled-coil scaffolds: folding, stability, and catalysis · *Aimee Boyle* [\[Invited\]](#)

5111.080 NB4 · Sodium ion-selective photosensitizers as potential theranostic agents · *Nora Kulak* [\[Invited\]](#)

15:15-15:30 · ECR session contd.

5615.105 FGB · Electrostatic Tuning of the Redox and Reactivity Properties of Chlorophyll Model Compounds · *Oscar Reid Kelly* [\[Oral\]](#)

15:30-15:45

5615.105 FGB · Rebuilding the Ln-MDH Lanthanide-PQQ Active Site in a De Novo Protein · *Natalia Gabriela Baranska* [\[Oral\]](#)

15:35-15:55

Main Lecture Hall - FGB · Functionalized Ru(II) polypyridyl complexes for photoinduced toxicity against cancer cells · *Theodore Lazarides* [\[Invited\]](#)

5111.022 NB4 · Photocatalytic Biohybrid Vesicles for Hydrogen Evolution · *Lars J. C. Jeuken* [\[Invited\]](#)

5111.080 NB4 · Host-Directed Metal-Based Antivirals · *Luca Salassa* [\[Invited\]](#)

15:45-16:00

5615.105 FGB · From Cytotoxicity Data to Ru Piano-Stool Metallodrug Design · *Martin Sojka* [\[Oral\]](#)

15:55-16:10

Main Lecture Hall - FGB · HSA as a Delivery Vehicle for Metallodrugs: How Metal-Protein Interactions Dictate Anticancer Efficacy · *Lara Massai* [\[Oral\]](#)

5111.022 NB4 · A Visual Workflow Platform for Scientific Computing with Applications to Metal-Containing Molecular Systems · *Xinmeng Li* [\[Oral\]](#)

5111.080 NB4 · Organogallium (III) complexes as dual-action antibacterial-antibiofilm compounds · *Mason Chuen-lai Lam* [\[Oral\]](#)

16:00-16:15

5615.105 FGB · Using a chain reaction for selective copper sensing · *Florian Altes* [\[Oral\]](#)

16:10-16:25

Main Lecture Hall - FGB · Development of novel metal-based compounds targeting essential redox-metabolic pathways in trypanosomatids · *Gonzalo Scalese* [\[Oral\]](#)

5111.022 NB4 · Engineering Phage Display Libraries for the Discovery of Palladium-Binding Peptides · *Nora Schönberger* [\[Oral\]](#)

5111.080 NB4 · Silver(I) Complexes with Amino Acids and Their Derivatives: Structural Insights and Biological Potential · *Zuzana Vargová* [\[Oral\]](#)

16:15-16:30

5615.105 FGB · Mechanistic insights into the non-classical peroxidase YhjA from Escherichia coli · *Ricardo Oliveira* [\[Oral\]](#)

16:25-16:40

Main Lecture Hall - FGB · Mechanism of coproheme decarboxylases · *Stefan Hofbauer* [\[Oral\]](#)

5111.022 NB4 · Covalent Cross-Linking Stabilizes and Enhances Lanthanide Binding in Metallo-Coiled Coils · *Kate A. Hadley* [\[Oral\]](#)

5111.080 NB4 · Novel Mn(II) and Re(I) antiparasitic compounds with bioactive azoles and polypyridines as ligands: omics approaches to unravel mechanism of action · *Carolina Del Marmol Soto* [\[Oral\]](#)

17:00-17:50

Main Lecture Hall - FGB · Metal Complexes for Medicinal Applications · *Gilles Gasser* [\[Plenary\]](#)

Day 4 — Wednesday, 15 July 2026

08:00-09:00 · Registration

09:00-09:50 · Metallomics Plenary lecture

Main Lecture Hall - FGB · Multimodal and multivariate approaches to studying metals in biological systems · *Elizabeth New* [\[Plenary\]](#)

09:50-10:00 · Change Rooms

10:00-10:30 · Keynote

Main Lecture Hall - FGB · ChemComm Emerging Investigator Lectureship 2025 · Unlocking New Possibilities of Biocatalytic Transition Metal Catalysis · *Xiongyi Huang* [\[Keynote\]](#)

5111.022 NB4 · Redox catalysis of copper- and iron-complexes with cellular reducing agents and dioxygen · *Peter Faller* [\[Keynote\]](#)

5111.080 NB4 · HuHf: A Trojan Horse for Gold(I)-Based Chemotherapy · *Paola Turano* [\[Keynote\]](#)

5615.105 FGB · Conclusive mechanistic picture of the oxygenase/oxidase reaction cycle catalyzed by the coupled bicupric active site of tyrosinase · *Lubomír Rulíšek* [\[Keynote\]](#)

10:30-10:50 · Invited and oral lectures

Main Lecture Hall - FGB · Kinetic and Structural Investigation of Switchable Artificial Metalloenzymes · *Anne Kathrin Duhme-Klair* [\[Invited\]](#)

5111.022 NB4 · Copper transport across cell membranes by calix[4]arene-based Cu(I) ionophores disrupt copper homeostasis leading to potent biological activity · *Aurélien Deniaud* [\[Invited\]](#)

5111.080 NB4 · Rh(III) and Ir(III) Half-sandwich Complexes for Bioorthogonal Applications · *Ana Pizarro* [\[Invited\]](#)

5615.105 FGB · Characterization of ligands for high-valent iron-oxo oxidants · *Marcel Swart* [\[Invited\]](#)

10:50-11:05

Main Lecture Hall - FGB · Metrazymes Network · Photobiocatalytic atroposelective biaryl coupling · *Bratislav Dačević* [\[Oral\]](#)

5111.022 NB4 · Metal-dependent enzymatic transformation of phenazine antibiotics in the rhizosphere · *Inês B. Trindade* [\[Oral\]](#)

5111.080 NB4 · Metal ion binding strengths of novel ambidentate chelators derived from thioether bearing amino acids · *Ahmed Jalil Al-Safi* [\[Oral\]](#)

5615.105 FGB · Protein Matrix Effects on Iron-Sulfur Clusters in Photosystem I · *Shalini Yadav* [\[Oral\]](#)

11:05-11:20 · Coffee

11:20-11:40 · Invited and oral lectures

Main Lecture Hall - FGB · From Artificial Light Harvesting to Biomaterials: Engineered Hexameric Hemoproteins with Synthetic Cofactors · *Koji Oohora* [\[Invited\]](#)

5111.022 NB4 · Keystone species in O₂ activation by biologically relevant Cu-complexes: the “in between” state of Amyloid- β peptide and beyond · *Enrico Falcone* [\[Invited\]](#)

5111.080 NB4 · Harnessing Hydroxamic Acids, an Important Class of Bioligands, in the Strategic Advancement of Metallodrugs Targeting Cancer Drug Resistance · *Celine Marmion* [\[Invited\]](#)

5615.105 FGB · Towards Predictive Modeling of Reactivity in Confined Spaces using a Cu-Calixarene Catalyst · *Maren Podewitz* [\[Invited\]](#)

11:40-12:00

Main Lecture Hall - FGB · From Flask to Cell: Synthetic Reactions in Living Cells · *María Tomás Gamasa* [\[Invited\]](#)

5111.022 NB4 · Glutathione is a component of the cytosolic buffer for thiophilic metals in *Escherichia coli* · *Peter T Chivers* [\[Oral\]](#)

5111.080 NB4 · In-vivo efficacy of a catalytic drug for cyanide poisoning treatment · *Sigrídur Suman* [\[Invited\]](#)

5615.105 FGB · Metallocofactor Plasticity in Biological Water Oxidation · *Dimitrios Pantazis* [\[Invited\]](#)

12:00-12:15

Main Lecture Hall - FGB · From Natural to Artificial Metalloenzymes: Mechanistic Blueprints for Artificial Metalloenzyme Design · *Patricia Rodríguez Maciá* [\[Oral\]](#)

5111.022 NB4 · Metals and thiols in bacterial defense and survival · *Hans Petter Hersleth* [\[Oral\]](#)

5111.080 NB4 · Unlocking the Specificity of the Plectin–Plecstatin-1 Interaction · *Matthew Paul Sullivan* [\[Oral\]](#)

5615.105 FGB · How Do Cu²⁺ Ions Get Reduced During Catalysis? The Puzzle of Bacterial Laccases Acting on Recalcitrant Substrates Seen Through Density Functional Theory · *Luca Bertini* [\[Oral\]](#)

12:25–13:15 · Plenary - Chemistry Europe Lecture

Main Lecture Hall - FGB · Artificial and Repurposed Metalloenzymes for in vivo New-to-Nature Catalysis: Challenges and Opportunities · *Thomas Ward* [\[Plenary\]](#)

13:15–16:00 · Lunch and Excursions/activities

Day 5 — Thursday, 16 July 2026

08:00-09:00 · Registration

09:00-09:50 · Plenaries

Main Lecture Hall - FGB · Nanoplasmonics at the Biointerface: Advanced Biosensors for Real-Time Biology and Precision Diagnostics · *Laura M. Lechuga* [\[Plenary\]](#)

09:50-10:00 · Change rooms

10:00-10:30 · Keynote

Main Lecture Hall - FGB · The assessment of trace metal mobility in soils with diffusive gradient in thin film (DGT): recent applications in intact, unsaturated soils · *Erik Thomas Smolders* [\[Keynote\]](#)

5111.022 NB4 · Antiviral Metal Complexes against Coronaviruses · *Ingo Ott* [\[Keynote\]](#)

5111.080 NB4 · Extending the Reach of Pulse EPR in Bioinorganic Chemistry: Superconducting Microresonators for Characterization of Metal Centres in Thin Films · *Maxie Magdalena Roessler* [\[Keynote\]](#)

10:30-10:50 · Invited and oral lectures

Main Lecture Hall - FGB · State of the art of hazard-based environmental risk assessment of metallic advanced materials · *Willie J.G.M. Peijnenburg* [\[Invited\]](#)

5111.022 NB4 · Mechanistic Studies on Au(III) Prodrug Activation and Gold-Based Theranostics · *Nils Metzler-Nolte* [\[Invited\]](#)

5111.080 NB4 · Organomercury-Labelled Dimeric Aptamers for LA-ICP-MS Imaging · *Tuomas Lönnberg* [\[Invited\]](#)

10:50-11:10

Main Lecture Hall - FGB · Nanoscale coordination polymers: old materials new tricks in therapy and diagnosis · *Fernando Novio* [\[Invited\]](#)

5111.022 NB4 · Advances in Mass Spectrometry Empower Reactive Metallodrug Discovery · *Samuel Meier-Menches* [\[Invited\]](#)

5111.080 NB4 · Zinc detection using responsive MRI contrast agents: from rational design to in vivo applications · *Célia Bonnet* [\[Invited\]](#)

11:10-11:30 · Coffee

11:30-11:50 · Invited and oral lectures

Main Lecture Hall - FGB · Stimuli-responsive nanoparticles for localized therapies · *Zoe Pikramenou* [\[Invited\]](#)

5111.022 NB4 · Proteomics studies reveal the mode of action of selected anticancer gold drugs in A2780 ovarian cancer cells, highlighting mechanistic differences · *Luigi Messori* [\[Invited\]](#)

5111.080 NB4 · Luminescent Lanthanide(III) Bioprobes for Cell Microscopy Imaging · *Olivier Seneque* [\[Invited\]](#)

11:50-12:05

Main Lecture Hall - FGB · What happens in solution? tracking metallodrug stability for more reliable preclinical testing · *Luca Famlonga* [\[Oral\]](#)

5111.022 NB4 · Biphenyl gold(III) with NHC-pyridine ligands: relevance of the pyridine coordination for the anticancer properties · *Benoit Bertrand* [\[Oral\]](#)

5111.080 NB4 · Design of Triarylformazan Chelators for Photoacoustic Imaging and Cancer Therapy · *Ren-Hua Jeff Jheng* [\[Oral\]](#)

12:05-12:20

Main Lecture Hall - FGB · Human serum albumin binding of half-sandwich Ru(II) and Rh(III) complexes with various bidentate ligands: trends and correlations · *Orsolya Dömötör* [\[Oral\]](#)

5111.022 NB4 · Development of Pt-PROTACs as Probes to Identify Cancer-Related Pt(II) Protein Targets · *Darren M. Griffith* [\[Oral\]](#)

5111.080 NB4 · Sulfur and phosphorus derivatives of the o-aminophenoltriacetate (APTRA) ligand: Enhancing the selectivity for Zn²⁺ and Mg²⁺ · *J. A. Gareth Williams* [\[Oral\]](#)

12:20-13:30 · Poster session and Lunch

13:30-14:00 · Keynote

Main Lecture Hall - FGB · Spectroscopy of Copper Monooxygenases · *George Cutsail* [\[Keynote\]](#)

5111.022 NB4 · Catalysis beyond the static structure: The role of conformational dynamics in enzymatic and bioinspired metal catalysts · *Sílvia Osuna* [\[Keynote\]](#)

5111.080 NB4 · Metallophores as microbiological arsenal of tools for metal ions assimilation. How to exploit them in medicinal chemistry? · *Elżbieta Gumienna-Kontecka* [\[Keynote\]](#)

14:00-14:20 · Invited and Oral lectures

Main Lecture Hall - FGB · From Sequence to Cluster: Metalation Pathways in Microbial Metallothioneins · *Eva Freisinger* [\[Invited\]](#)

5111.022 NB4 · Expanding the genetic code with histidine-like non-canonical amino acids · *Alexandria Deliz Liang* [\[Invited\]](#)

5111.080 NB4 · Multifunctional Ru(II) organometallic compounds active against infective trypanosomes: redesign by bioisosteric replacement of sulfur by oxygen · *Dinorah Gambino* [\[Invited\]](#)

14:20-14:35

Main Lecture Hall - FGB · Insights into Copper Nitrite Reductase from *Neisseria gonorrhoeae*: CytC2 Links Nitrite Reduction and Peroxide Detoxification · *Sofia Pauleta* [\[Oral\]](#)

5111.022 NB4 · Enantioselective Photoinduced Imine Reduction Catalyzed by a Ru Complex and a Designer Enzyme with a Genetically Encoded Thiophenol Residue · *Ryusei Kano* [\[Oral\]](#)

5111.080 NB4 · Disrupting Leishmania Redox and Mitochondrial Homeostasis with a Cyclometalated Platinum(II) Complex · *Camilla Abbehausen* [\[Oral\]](#)

14:35-14:55 · Coffee

14:55-15:15 · Invited lectures

Main Lecture Hall - FGB · Photocatalysis by Mn-Mabiq complexes with multiple photoaccessible redox states · *Corinna R. Hess* [\[Invited\]](#)

5111.022 NB4 · Metal Complexes as Chemical Tools for Biological Applications · *Jeannine Hess* [\[Invited\]](#)

5111.080 NB4 · Photogeneration of Reactive Oxygen and Iodine Species by Metalloporphyrinoids: From Molecular Mechanisms to Advanced Models in Photodynamic Therapy · *Janusz M. Dabrowski* [\[Invited\]](#)

15:15-15:35

Main Lecture Hall - FGB · Unraveling the Electron Transfer Mechanism in the Reduction of Tyrosinase Model Complexes · *Sonja Herres-Pawlis* [\[Invited\]](#)

5111.022 NB4 · How to Make, Characterize and Evaluate >2000 Iridium Cyclopentadienyl Complexes as Antimicrobial Agents. · *Angelo Frei* [\[Invited\]](#)

5111.080 NB4 · Gold(III)-Glycoconjugates as Antiviral Agents against Coronaviruses · *Luca Ronconi* [\[Invited\]](#)

15:50-16:40 · EuroBIC award lecture

Main Lecture Hall - FGB · Twisting the Toolbox: Coiled-Coil Ligands for MRI Contrast Agents and Beyond · *Anna Peacock* [\[Plenary\]](#)

16:40-17:00 · Closing & awards

19:00-22:00 · Gala dinner
