



Antwerp, Belgium

10th EuChemS Chemistry Congress

euchems2026.eu

12 - 16 July 2026

Monday 13th July 2026

Congress theme:

Chemistry meets Biology & Food Science

Conference room:

Gorilla room 4-5

| Session | Timing | Abstract ID | Presenter | Company | Title |
|---------------------------|-------------|-------------|-----------------------------------|----------------|---|
| CBF-D1 - O01 | 10:00-10:15 | 765 | Alberto | Concellón | Dynamic Complex Liquid Crystal Emulsions as Responsive Optical Platforms for Detecting Foodborne Pathogens |
| CBF-D1 - O02 | 10:15-10:30 | 1282 | Vânia | Rodrigues | Development of a molecular beacon-based LAMP assay for the specific identification of Ginkgo biloba in commercial herbal products and food supplements |
| CBF-D1 - O03 | 10:30-10:45 | 990 | Alessia | Cavallaro | Fluorescent sensor array for fungal detection and VOC-based quality monitoring in citrus fruit |
| CBF-D1 - O04 | 10:45-11:00 | 943 | Dries | Hermans | Functionality and migration behavior of bulk-mixed and surface-coated nano Ag/PHBHHx packaging films. |
| CBF-D1 - O05 | 11:00-11:15 | 1553 | Joana | Amaral | Development of a real-time PCR assay for the detection of Bombyx mori (silkworm) in insect-based food and feed products |
| CBF-D1 - O06 | 11:15-11:30 | tbd | tbd | | |
| CBF-D1 - O07 | 11:30-11:45 | 293 | Ana Catarina | Ribeiro | Polyphenol-Casein Interactions Modulate Protein Aggregation and Network Formation during Curd Development |
| CBF-D1 - O08 | 11:45-12:00 | 535 | Ana Rita | Pereira | New insights into yeast protein-chitosan complex coacervation for food systems |
| POSTER FLASH 12:00 | | | | | |
| CBF-D1 - F01 | | 1287 | Luis Manuel Lopes Rodrigues da | da Silva | Red fruits - medicinal plants functional beverage prototypes: integrating cell bioactivity, cultivar chemistry and human metabolic biomarkers |
| CBF-D1 - F02 | | 945 | Raffaello | Nardin | Geographical fingerprinting of Wine: Multi-technique approach and signal masking effects |
| CBF-D1 - F03 | | 1229 | Perveen | Akhtar | Portable multiplex quantification of marine biotoxins via digital colour-encoded lateral flow platform utilizing shape-tailored gold nano |
| CBF-D1 - F04 | | 732 | Chao-Jung | Chen | High-throughput Screening of Herbal Medicines for DPP-4 Inhibition in Type 2 Diabetes Mellitus using Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry |
| CBF-D1 - F05 | | 1632 | Francesco | Cairone | From Mediterranean Agri-Waste to Functional Molecules for food packaging and dermo-cosmetic applications: Process-Driven Sustainable and Circular Chemistry |
| CBF-D1 - F06 | | 1085 | Alejandro | Mendoza Cantu | Fermentation-induced molecular remodeling in South African indigenous tubers: Cassava and cocoyam |
| CBF-D1 - F07 | | 579 | Carmen | Corea | Sustainable scale-up of fatty acids and polyphenols extraction from Spent Coffee Grounds |
| CBF-D1 - F08 | | 886 | Emmanuel Kachii | Ukpoko | Analysis of Some Heavy Metals in Foodstuffs Contaminated with Pesticides using a developed Spot-test Method |
| Lunch | | | | | |
| CBF - D1 - I01 | 14:00-14:30 | | Markus | Fischer | Food fraud and countermeasures |
| CBF-D1 - O09 | 14:30-14:45 | 1178 | Cordelia | Zimmerer | From dopamine to polydopamine time-resolved IR- and Raman spectroscopy of the polymerization process |
| CBF-D1 - O10 | 14:45-15:00 | 220 | Jule | Fiori | Prevalence and bioavailability of Kukoamine A and B in potatoes, potato products and peppers |
| CBF-D1 - O11 | 15:00-15:15 | 1043 | Javier | Terán Baamonde | Metal additives in polymer microparticles: a hidden gut toxicological hotspot? |
| CBF-D1 - O12 | 15:15-15:30 | 167 | Marina | Piacenti-Silva | Sustainable NADES Extraction of Bioactive Flavonoids from Sugarcane Bagasse and Their Antioxidant Effects in Drosophila melanogaster Alzheimer Model |
| CBF-D1 - O13 | 15:30-15:45 | 206 | Yuri | Asnis | Kinetics of reactive nitrogen species in Plasma-Activated Water and their role in antimicrobial activity against Escherichia coli |
| CBF-D1 - O14 | 15:45-16:00 | 1399 | Utibe Bassey | AKPAN | Antimicrobial Ionic liquid-essential oils combinations: a mathematical modelling of interactions |
| Coffee break | | | | | |
| CBF-D1 - O15 | 16:30-16:45 | 499 | Carlotta | Valle | Valorization of Cocoa Bean Shells by Green Extraction: A Source of Functional Compounds |
| CBF-D1 - O16 | 16:45-17:00 | 270 | Raquel | Nunes da Silva | Circular Valorisation of Tomato Processing By-products: Recovery of Bioactive Compounds for Sustainable Food Systems |
| CBF-D1 - O17 | 17:00-17:15 | tbd | tbd | | |
| CBF-D1 - O18 | 17:15-17:30 | 42 | Jens | Frackenhohl | Novel heterocyclic FAT-inhibitors – Resistance-breaking and PFAS-free grass weed control solutions for sustainable agrosience in Europe |
| CBF-D1 - O19 | 17:30-17:45 | 1554 | Chiara | Melchiorre | LC-MS of Ovatoxins: Influence of Calcium salts on ionization patterns and quantification accuracy |
| CBF-D1 - O20 | 17:45-18:00 | 637 | Robert | Cholewa | Pesticide Residues in Commercial Honey Samples: Application of a Validated Analytical Method and Chemometric Interpretation |

| Posters | | | |
|--------------|-----------------------|-----|---|
| CBF-D1 - P01 | Krista Damayanti | 120 | Effect of chemical bleaching and photo bleaching on crude agar characteristics from <i>Gracilaria</i> sp. |
| CBF-D1 - P02 | Haris Majstorovic | 194 | Synthesis & structure-activity relationship study on a plant-derived glycoside that attenuates virulence in <i>Pseudomonas aeruginosa</i> |
| CBF-D1 - P03 | Jong Pil Park | 202 | Peptide Conformation Engineering on a Chitosan Nanowhisker-Graphene Oxide Interface Enables High-Performance Electrochemical Detection of Food Allergen |
| CBF-D1 - P04 | Tshephiso Papo | 257 | Tuning the reactivity of N,N'-Pyridyl Palladium(II) complexes: A substitution kinetics and DNA/BSA binding study |
| CBF-D1 - P05 | Konrad Barnowski | 264 | Synergistic cancer therapy targeting LAG-3&PD-L1 through co-administration of flavonoid and durvalumab |
| CBF-D1 - P06 | Denys Bondar | 282 | Gold-Selenium carbenes in anticancer therapy |
| CBF-D1 - P07 | Åshild Sørskår | 318 | Stereoselective Synthesis of 18F-Labelled Specialized Pro-Resolving Mediators |
| CBF-D1 - P08 | Joana Amaral | 637 | Optimization of SPME-GC-MS for volatile profiling and botanical origin discrimination of Portuguese monofloral honey |
| CBF-D1 - P09 | Roberta Cerasi Urban | 326 | Microplastics and Nanoplastics in Human Lung Cells: Size-, Polymer-, and Exposure Model-Dependent Cytotoxicity |
| CBF-D1 - P10 | Shagana Muruganatham | 409 | Assessing the Relevance of Sulfonium Salts in Nuclear Medicine via High-Throughput Radiolabelling |
| CBF-D1 - P11 | Nardjess Rim Laoufi | 451 | Development and validation of analytical performance of ICP-MS blood lead testing method using the ICHM10 new protocol for bioanalytical method. |
| CBF-D1 - P12 | Catherine Amiens | 457 | Innovative Radiolabelled Magnetic Nanoparticles for Dual MRI/SPECT Imaging |
| CBF-D1 - P13 | Suleyman Caliskan | 561 | Development of a novel MOF-MIP based electrochemical biosensor for the selective detection of organophosphorus pesticides |
| CBF-D1 - P14 | Rhizlane Kribii | 573 | Synthesis of Radiotracers to Image Neuroinflammation in Alzheimer's Disease |
| CBF-D1 - P15 | Raquel Nunes Da Silva | 647 | In vitro testing of antifungal biocides against endophytic fungi of cork oak with potential phytosanitary application |
| CBF-D1 - P16 | Haesong Sher | 696 | High-Throughput Serum Metabolomics for PFAS Toxicity- Method Development and Cohort Validation in Belgian Residents Near a PFAS Production Plant |



Antwerp, Belgium

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12 - 16 July 2026

Tuesday 14th July 2026

Congress theme:
Chemistry meets Biology & Food ScienceConference room:
Gorilla room 4-5

| Session | Timing | Abstract ID | Presenter | Kolom1 | Title |
|---------------------------|--------------------|-------------|--|-------------------|---|
| CBF-D2 - O01 | 10:00-10:15 | 902 | Sonsoles | Martin-Santamaria | Lipopolysaccharides for modulation of innate immunity receptors: the computational eye |
| CBF-D2 - O02 | 10:15-10:30 | 1109 | Andrea | Sodini | Mannosylated Peptide Nanofibers for MUC1-Mimetic Antigen Delivery and Immune Modulation |
| CBF-D2 - O03 | 10:30-10:45 | 1276 | Elisabete | Coelho | Enzymatic and subcritical water extraction based strategies to increase psychobiotic activity through cell wall polysaccharide modulation |
| CBF-D2 - O04 | 10:45-11:00 | 279 | Mattan | Hurevich | Expeditious synthesis of Glycan and Glycopeptides and their use in Pathogen detection |
| CBF-D2 - O05 | 11:00-11:15 | 621 | Gema | Nieto-Ortiz | Designing Multivalent Glycofullerenes for Redox-Active Lectin Biosensors |
| CBF-D2 - O06 | 11:15-11:30 | 468 | Rachel | Hevey | Synthesis & development of mucus-derived glycans as novel anti-virulence therapeutics |
| CBF-D2 - O07 | 11:30-11:45 | 1604 | Michaela | Prothiwa | Chemical profiling of virulence-related bacterial proteases |
| CBF-D2 - O08 | 11:45-12:00 | 1572 | Brigitte | Holzer | Targeting RNA with clickable peptide nucleic acid-based molecular locks |
| POSTER FLASH 12:00 | | | | | |
| CBF-D2 - F01 | | 126 | Justine | Kapp | Quinoline based luminescent imidazolium salts as vector for gene therapy |
| CBF-D2 - F02 | | 248 | Oana | Grad | Designing Antibacterial Materials Using Cysteine |
| CBF-D2 - F03 | | 194 | Haris | Majstorovic | Synthesis & structure-activity relationship study on a plant-derived glycoside that attenuates virulence in <i>Pseudomonas aeruginosa</i> |
| CBF-D2 - F04 | | 528 | Chang-Hyung | Choi | Biomimetic aqueous-core hydrogel microcapsules for spatially organized enzymatic cascade reactions |
| CBF-D2 - F05 | | 641 | Catarina | Maria | Design and synthesis of novel sugar-based antibacterial agents against Gram-negative bacteria |
| CBF-D2 - F06 | | 1188 | Nabashree | Chakraborty | Mitochondria is red today |
| CBF-D2 - F07 | | tbd | tbd | | |
| CBF-D2 - F08 | | 744 | Luca | Pozzi | Cannabizetol: discovery of a new cannabinoid |
| Lunch | | | | | |
| CBF - D2 - I01 | 14:00-14:30 | | Tanja | Wrodnigg | Ligand-directed Chemistry profiling of Carbohydrate processing Enzymes |
| CBF-D2 - O09 | 14:30-14:45 | 984 | Valentina | Oliveri | Bioinorganic Hybrid Nanoplatfoms Based on Cellulose Nanocrystals for Mitochondrial Damage and Cuproptosis Induction in Tumor Cells |
| CBF-D2 - O10 | 14:45-15:00 | 1404 | Anitha | Ethirajan | Stimuli responsive biopolymer based nanocarriers for the delivery of hydrophilic cargo |
| CBF-D2 - O11 | 15:00-15:15 | 523 | Hennie | Valkenier | Copper transport across cell membranes by calix[4]arene-based cationophores leading to potent biological activity |
| CBF-D2 - O12 | 15:15-15:30 | 141 | Vladimir | Kren | Glycosylated mycotoxins in food: A hidden enemy |
| CBF-D2 - O13 | 15:30-15:45 | 1437 | Suada | Djukaj | Development of a biosimilar mucus layer as a predictive tool for preclinical drug assesment |
| CBF-D2 - O14 | 15:45-16:00 | 1545 | Thilakan | Kanesalingam | A Coarse-Grained Approach to Modelling Adsorption of the Lubricating Salivary Protein, MUC5B, to Biomimetic Tongue Surfaces |
| Coffee break | | | | | |
| CBF-D2 - O15 | 16:30-16:45 | 856 | Manuel | Maestre-Reyna | From femtoseconds to seconds: time-resolved crystallography of photolyases and cryptochromes. |
| CBF-D2 - O16 | 16:45-17:00 | 1302 | Stefania | Gardoni | Design of semiconducting polymer interfaces to control Schwann cell behaviour |
| CBF-D2 - O17 | 17:00-17:15 | 613 | Cosima Damiana | Calvano | Uncovering Phospholipid and Oxysterol Signatures in Pancreatic Ductal Adenocarcinoma Cells and Their Extracellular Vesicles |
| CBF-D2 - O18 | 17:15-17:30 | 1603 | Désirée | Schlemper-Scheidt | Functional characterization of mitochondrial 3-ketoacyl-CoA thiolase (kat-1) in <i>C. elegans</i> using comparative metabolomics |
| CBF-D2 - O19 | 17:30-17:45 | 775 | Elva | Moretta | Functional Proteomics-Driven Discovery of Quinazolinones as Proteasome Inhibitors |
| CBF-D2 - O20 | 17:45-18:00 | 1363 | Saleha | Anwar | Inhibition of pyruvate dehydrogenase kinase 3 by geraniol: biochemical, computational and cellular insights |
| Posters | | | | | |
| CBF-D2 - P01 | Lu-Sheng Hsieh | 698 | Molecular characterization of <i>Dendronephthya gigantea</i> phenylalanine ammonia-lyase | | |
| CBF-D2 - P02 | Julie Dullier | 703 | Crystallization-assisted and Mechanoenzymatic Synthesis of Chiral Amines Using Transaminases | | |

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|--------------|-------------------------|-------------|---|
| CBF-D2 - P03 | Burak Mert Oruç | 768 | Encapsulation of Oleoresins to Improve Stability and Bioaccessibility of Food Bioactives |
| CBF-D2 - P04 | Essien Peter | 778 | Synthesis, characterization and antimicrobial studies of Mn(II), Co(II), Ni(II), Cu(II) and Zn(II) complexes of Schiff bases derived from Isoniazid |
| CBF-D2 - P05 | Lucio Spinelli | 804 | PEGylation-Driven Remodeling of the Protein Corona on PLGA Nanoparticles: Implications for Macrophage Recognition |
| CBF-D2 - P06 | Eda Furtana | 823 | Optimization of Solid-Liquid Extraction of Bioactive Compounds from Food Processing Wastes |
| CBF-D2 - P07 | Aurel Tăbăcaru | 828 | New water-soluble La(III) and Ce(III) complexes as structurally defined candidates for anticancer applications |
| CBF-D2 - P08 | Dongyun Shin | 842 | Development of Novel JAK Degraders via PROTAC Technology |
| CBF-D2 - P09 | Shuo Guo | 858 | Isolation and Functionalisation of Natural Products from <i>H. novae-zealandiae</i> |
| CBF-D2 - P10 | Rima D. Alharthy | 873 | Rational design of phenyl 2,4,5- trichlorobenzenesulfonate based thiosemicarbazones as α - glucosidase and α - amylase inhibitors: integrating enzymatic evaluation and molecular |
| CBF-D2 - P11 | Eva Müller | 947 | Hydrotrope-Modulated AGA Hydrogels as Sustainable Nanocarriers for Molecules of Different Hydrophobicity |
| CBF-D2 - P12 | Winifred Ukpoko | 1062 | Evaluation of Growth, Yield and Proximate Composition of Vegetables Irrigated with Wastewaters from Food Processing Industries |
| CBF-D2 - P13 | Chinasa Okorie-Humphrey | 1125 | Production, physicochemical and sensory quality of bottled and sterilized tigernut milk: Exploring the future of plant-based beverage from an underutilized crop |
| CBF-D2 - P14 | Gerald Steiner | 1140 | Non-invasive sex determination of chicken eggs using NIR and vis-spectroscopic imaging |
| CBF-D2 - P15 | Prashant. B. Singh | 1197 | Combined Computational & Experimental Approach to Design & Synthesize New Molecules Having Anti-Tuberculosis Properties |
| CBF-D2 - P16 | Nkiruka David-Chukwu | 1252 | Phytochemical Profiling of Nturuksa (<i>Pterocarpus santalinoides</i>) Leaves: An Underutilized Nigerian Indigenous Vegetable |



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Wednesday 15th July 2026

Congress theme:
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Gorilla room 4-5

| Session | Timing | Abstract ID | Presenter | Kolom1 | Title |
|---------------------------|-------------|-------------|---------------|----------------|---|
| CBF-D3 - O01 | 10:00-10:15 | 1248 | Jussara | Amato | Protein-G-quadruplex interactions: Expanding frontiers in drug development |
| CBF-D3 - O02 | 10:15-10:30 | 1330 | Yu-Hsuan | Tsai | Disulfide-directed multicyclic peptides for chimeric antigen receptors targeting solid tumors |
| CBF-D3 - O03 | 10:30-10:45 | 1059 | Davide | Deodato | Biophysical characterization of the complex between A β and model peptides of optineurin: the impact of the E50K mutation in neurodegenerative pathways |
| CBF-D3 - O04 | 10:45-11:00 | 1574 | Sara | La Manna | From Planar to Octahedral Architectures: Geometry-Driven Modulation of Amyloid Aggregation |
| CBF-D3 - O05 | 11:00-11:15 | 288 | Fatma Zohra | Mihoubi | Chemical requirements of coacervates as protocells |
| CBF-D3 - O06 | 11:15-11:30 | 1598 | Sebastian | Goljuch | Enhancing and probing mRNA properties via click chemistry |
| CBF-D3 - O07 | 11:30-11:45 | 593 | Neda | Bagheri | Enzymatic regulation of CRISPR-Cas12a for programmable readout of DNA repair and topological states |
| CBF-D3 - O08 | 11:45-12:00 | 51 | Jory | Lietard | RNA and XNA microarrays: harnessing the full power of nucleic acid photolithography |
| POSTER FLASH 12:00 | | | | | |
| CBF-D3 - F01 | | 443 | Olav | Vestrheim | Synthesis of Phospholipid-Salen Manganese Conjugates as Bioactive Antioxidants for Hepatocellular Protection from Reactive Oxygen Species |
| CBF-D3 - F02 | | 434 | Jana | Baroen | A multi-omics approach to understand how cold atmospheric plasma affects patient-derived head and neck and pancreatic tumors. |
| CBF-D3 - F03 | | 697 | Tanguy | Scaillet | Characterisation of Brucella melitensis phosphoserine phosphatase through crystallographic and kinetic studies |
| CBF-D3 - F04 | | 685 | Man Shing | Wong | Multimodal Nanoprobe for Amyloid- β Targeted Imaging and Oxidative Stress Monitoring in Alzheimer's Disease |
| CBF-D3 - F05 | | 948 | Eva | Müller | Polyphenolates as Bipotent Photostabilising and Solubilizing Agents for Riboflavin |
| CBF-D3 - F06 | | 325 | Fayanne | Nolin | Development of Oligonucleotide Probes to Study the Enzyme SNM1A |
| CBF-D3 - F07 | | 15 | Martin | Gill | Green(er) synthesis of MLCT-emissive ruthenium(II) polypyridyl complexes |
| CBF-D3 - F08 | | 205 | Jordi | Jaenen | Development of a Dual-Functional Nanostructure for Simultaneous Plasmonic Heating and Real-Time Temperature Sensing |
| Lunch | | | | | |
| CBF-D3 - I01 | 14:00-14:30 | | Manuel | Coimbra | Contribution of carbohydrates for innovation in food |
| CBF-D3 - O09 | 14:30-14:45 | 716 | Federico | Riu | Targeting (self-)splicing machineries with small molecules to fight cancer |
| CBF-D3 - O10 | 14:45-15:00 | 1300 | Lily | Kenchington-Ev | Design, synthesis, and biological evaluation of traditional antibiotic scaffolds modified with a permanently charged moiety |
| CBF-D3 - O11 | 15:00-15:15 | 1514 | Catarina | M. Correia | Rationale Design, Synthesis and Pharmacological Properties of Fused Chromenopyrazoles as CB1 Ligands |
| CBF-D3 - O12 | 15:15-15-30 | 67 | Malliga | Iyer | CNS sparing agents targeting Cannabinoid-1 Receptors for Treatment of Metabolic Syndrome Disorders |
| CBF-D3 - O13 | 15:30-15:45 | 786 | Yang-Hsiang | Chan | Molecular Design of Ultrabright NIR-II Fluorescent Probes for Deep-Tissue Imaging |
| CBF-D3 - O14 | 15:45-16:00 | 824 | Kelly | Bugatti | From Prediction to Bench: An Integrated Modelling-Synthesis Framework for Bitter Peptide Identification |
| Coffee break | | | | | |
| CBF-D3 - O15 | 16:30-16:45 | 1107 | Marta | Da Pian | Integrating chemical and biological knowledge to enhance translational research: insights from recent studies |
| CBF-D3 - O16 | 16:45-17:00 | 11 | Martin | Gill | Combining ruthenium(II) metallo-intercalators and PARP inhibitors for cancer therapy |
| CBF-D3 - O17 | 17:00-17:15 | 183 | Polyskena | Renzi | Combining Boron and Gadolinium Neutron Capture Therapy with the Inhibition of Carbonic Anhydrase for the Treatment of Mesothelioma |
| CBF-D3 - O18 | 17:15-17:30 | 887 | Ricardo | Ferraz | Combination of antimalarial drugs with natural acidic lipids delivers surface-active ionic liquids with multi-stage antimalarial activity |
| CBF-D3 - O19 | 17:30-17:45 | tbd | tbd | | |
| CBF-D3 - O20 | 17:45-18:00 | 939 | Rabia | Zahid | Silsesquioxane-nucleic acids suprastructures for controlled gene therapy |

| Posters | | | |
|--------------|--|-------------|--|
| CBF-D3 - P01 | Tom Götze-Ebert | 1266 | From Monomers to Dendrimers: Novel Synthetic Strategies for Highly Branched Peptide Nanostructures for Next-Generation Drug Delivery |
| CBF-D3 - P02 | Luis Manuel Lopes Rodrigues Da Da Silva | 1286 | Chemistry-to-biology translation for functional fruit beverages: a comparative pipeline for Sorbus, Viburnum tinus and Rhus coriaria hot-water infusions |
| CBF-D3 - P03 | Perveen Akhtar | 1289 | Nanoparticle-Based Lateral Flow Immunoassays for Detecting Marine Biotoxins in seafood: A Systematic Review of Trends in Development over Two Decades |
| CBF-D3 - P04 | Annwyne Houldsworth | 1295 | The Role of Oxidative Stress in Neurodegenerative Diseases: A Review of Oxygen Species and Prevention by Antioxidants |
| CBF-D3 - P05 | Katarzyna Szafrńska | 1755 | Breaking the NMDAR/TRPM4 Protein Dialogue: Small-Molecule Disruptors as a Novel Neuroprotective Strategy for Ischemic Stroke |
| CBF-D3 - P06 | Madiha Kousar | 1329 | Design, Synthesis, and Characterization of Rutin–Cu (II) Complexes with Antioxidant, Antibacterial, and Pharmacokinetic Evaluation |
| CBF-D3 - P07 | Sinem Keleş | 1334 | Upcycling cheese whey into plant-based kefir: a hybrid approach for sustainable functional beverages |
| CBF-D3 - P08 | Özcan Bulantekin | 1356 | Determination of Some Properties of Halva Made from Kavlca and Wheat Flour |
| CBF-D3 - P09 | Yun Mi Chung | 1358 | Method Validation for the Determination of Pyridate in Agricultural Commodities |
| CBF-D3 - P10 | Anas Shamsi | 1362 | Unveiling phytochemical inhibitors of serum and glucocorticoid-regulated kinase 1 (SGK1) through a systematic virtual screening: implications for cancer treatment |
| CBF-D3 - P11 | Ngunjoh Emmanuel Chi | 1389 | Biochar-Amended Soil for Persistent Organic Pollutant Mitigation in Food Crops: Evaluating Bioavailability and Nutritional Impact |
| CBF-D3 - P12 | Lorita Nchung | 1398 | Quality Evaluation of Orange Fleshed Sweet Potato, Beetroot, and African Yam Bean Flour Blends for Gruel Production |
| CBF-D3 - P13 | Utibe Bassey Akpan | 1400 | Impact of cation alkyl chain length on the antimicrobial efficacy of 1-alkyl-3-methylimidazolium ionic liquids |
| CBF-D3 - P14 | Muhammad Bilal Khan Niazi | 1403 | Production of citric acid from biomass-derived sugars using submerged fermentation with genetically optimized <i>Aspergillus niger</i> |
| CBF-D3 - P15 | Obed Obeng-Gyasi | 1420 | What Lipid Composition Best Reproduces The Biophysical Properties Of Fungal Membranes? |
| CBF-D3 - P16 | Rahat Mustafa | 1448 | Plant waste-enabled production of metal oxide nanoparticles for translational anticancer applications |
| CBF-D3 - P17 | Tanja Bruun | 1513 | Regenerative cardiac pharmacology – Design, synthesis, and pharmacological evaluation of novel small molecule compounds |



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Thursday 16th July 2026

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| Session | Timing | Abstract ID | Presenter | Kolom | Title |
|--------------|-------------|-------------|-----------------|----------------|--|
| CBF-D4 - O01 | 10:00-10:15 | 704 | Francesco | Peri | Pharmacological modulation of human immunity: a chemistry-based approach |
| CBF-D4 - O02 | 10:15-10:30 | 213 | Chiara | Maccari | Environmental pollution and asthma: EXPOSOMIC approach |
| CBF-D4 - O03 | 10:30-10:45 | 993 | Vincenzo | Piccolo | Phytochemical profiling and quantification of glucosinolates in radish microgreens and evaluation of their H ₂ S-mediated vasodilatory activity |
| CBF-D4 - O04 | 10:45-11:00 | 189 | Giorgia | Gambardella | Synthetic Gene Networks for Tunable Regulation of Enzyme-Inhibitor Complexes |
| CBF-D4 - O05 | 11:00-11:15 | 1599 | Roberto | Olayo-Gonzalez | Plasma-Functionalized Electrospun PLA-PCL Scaffolds implanted in rabbits for Articular Cartilage Regeneration |
| CBF-D4 - O06 | 11:15-11:30 | 161 | Heleen | De Wever | Tunable biopolymer production from CO ₂ through biotechnological processes |
| CBF-D4 - O07 | 11:30-11:45 | 252 | Sebastian-Felix | Fritz | Small Stereoselectively Deuterated Molecules at the Chemistry-Biology Interface |
| CBF-D4 - O08 | 11:45-12:00 | 971 | Maria | Maisto | Plant-Derived Extracellular Vesicles from Grape Pomace as Bioactive Nanocarriers for Anti-Aging Nutraceutical Applications |

POSTER FLASH 12:00

| | | | | | |
|--------------|--|-----|-----------------|------------|---|
| CBF-D4 - F01 | | 472 | Mihai-Alexandru | Molenta | Design and synthesis of lipid substrates for sterol imaging |
| CBF-D4 - F02 | | 478 | Magdi | El Fergani | Synthesis and Characterization of Novel Rhodamine and Coumarin-based Fluorophores |
| CBF-D4 - F03 | | 644 | Inês | Ferreira | De novo analytical chemistry approaches for collagen and polyphenol characterization in Physalia physalis |
| CBF-D4 - F04 | | tbd | tbd | | |
| CBF-D4 - F05 | | tbd | tbd | | |
| CBF-D4 - F06 | | tbd | tbd | | |
| CBF-D4 - F07 | | tbd | tbd | | |
| CBF-D4 - F08 | | 264 | Konrad | Barnowski | Synergistic cancer therapy targeting LAG-3&PD-L1 through co-administration of flavonoid and durvalumab |

Lunch

| CBF - D4 - I01 | 14:00-14:30 | Laura | Roman Rivas | Carbohydrates as building blocks of structure in plant foods | |
|----------------|-------------|-------|-------------|--|---|
| CBF-D4 - O09 | 14:30-14:45 | 1583 | Nandini | Fluorescent Nanoscale Lipid Vesicles for Cysteine-Triggered Hydrogen Sulfide (H ₂ S) Delivery and Therapeutic Potential | |
| CBF-D4 - O10 | 14:45-15:00 | 1039 | Adriaan | Minnaard | Total synthesis of Bisenarsan; an organo-arsenic metabolite from Streptomyces |
| CBF-D4 - O11 | 15:00-15:15 | 173 | Cecilia | Scandurra | Transcriptional circuits control of Hybridization Chain Reaction (HCR) |
| CBF-D4 - O12 | 15:15-15:30 | 837 | Abrrar | Hussain | Synthesis and In Vitro Antimicrobial Evaluation with Molecular-Level Insights into Novel Azomethine Derivatives |

Posters

| | | |
|--------------|----------------------|---|
| CBF-D4 - P01 | Paola Montoro | High-Resolution Mass Spectrometry: Unlocking the Chemical Complexity of Xylem Sap |
| CBF-D4 - P02 | Lavinia Klement | Stability meets Mobility: N-Heterocyclic Carbene-based Tethers for Functional Biomimetic Membranes |
| CBF-D4 - P03 | Ankita Borah | Effect of noscaphine hydrochloride on the near-infrared optical properties of indocyanine green |
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