

Conference Program
EUROCARB22,
July 6–10, 2025

Sunday 6th July		Concert Hall
13:00-19:00	Registration	
15:30-16:00	Welcome session	
16:00-16:50	Emil Fischer Award 2025	
	PL1: Sabine Flitsch - APPLICATION OF ENZYMES IN CARBOHYDRATE CHEMISTRY	
	Chair: David Bonnaffé	
	Coffee break	
17:15-18:05	Emil Fischer Award 2025	
	PL2: Carmen Galan - FROM SYNTHESIS TO APPLICATIONS: SYNTHETIC GLYCO-TOOLS FOR EXPLORING AND EXPLOITING THE GLYCOME	
	Chair: Antonio Molinaro	
18:05-18:50	PL3: Todd Lowary - SYNTHESIS OF GLYCAN PROBES FOR UNDERSTANDING THE ASSEMBLY AND FUNCTION OF MICROBIAL GLYCANS	
	Chair: Chris Whitfield	
19:00-21:00	Welcome reception	

Monday 7th July	Concert Hall	Green Hall	White Hall	Oak Hall
9:00-9:45	PL4: Cristina De Castro - AUTONOMOUS GLYCOSYLATION IN GIANT VIRUSES Chair: Todd Lowary			
9:45-10:30	PL5: Suvarn Kulkarni - ARE THERE SUGARS IN BACTERIA? WHAT CAN WE DO WITH THEM? Chair: Koichi Fukase			
10:30-10:40	Plenary Sponsor: Elicytill			
	Coffee break			
	Session 1 Topic: Glycoproteomics Chair: Yehia Mechref	Session 2 Topic: Mechanisms of glycosylation Chair: Charles Loh	Session 3 Topic: Sialylated carbohydrates Chair: Xuefei Huang	Session 4 Topic: N-glycans Chair: Cristina De Castro
11:00-11:30	KL1: Celso Reis - THE DIVERSITY AND FUNCTIONALITY OF THE CANCER GLYCOME: MOLECULAR MECHANISMS AND CLINICAL IMPLICATIONS	KL2: Thomas Boltje - INVESTIGATING CURTIN-HAMMETT SCENARIOS IN GLYCOSYLATION REACTIONS: THE HIGH IMPACT OF LOW-ABUNDANCE REACTION INTERMEDIATES	KL3: Anne Harduin-Lepers - DIVERSITY AND EVOLUTION OF THE VERTEBRATE SIALYLTRANSFERASE REPERTOIRE	KL4: Jerry Eichler - N-GLYCOSYLATION IN ARCHAEA – EXTREMELY SWEET
11:30-11:45	OL1: Parastoo Azadi - ENHANCING GLYCOPROTEOME PROFILING: EVALUATING AND COMBINING ENRICHMENT TECHNIQUES FOR COMPLEX BIOLOGICAL SAMPLES	OLS: Clay Bennet - MECHANISTIC AND SYNTHETIC STUDIES IN DEOXY SUGAR SYNTHESIS	OL9: María Asunción Campanero-Rhodes - RECOGNITION BY SIGLECS AND GALECTINS OF DISTINCT CARBOHYDRATE STRUCTURES ON <i>KLEBSIELLA PNEUMONIAE</i> CELLS	OL13: Luca Unione - PROBING ALTERED RECEPTOR SPECIFICITIES OF ANTIGENICALLY DRIFTING HUMAN H3N2 VIRUSES BY CHEMOENZYMIC SYNTHESIS, NMR, AND MODELING
11:45-12:00	OL2: Chi-Kung NI - STRUCTURAL IDENTIFICATION OF N-GLYCANS AND N-GLYCOPEPTIDES USING LOGICALLY DERIVED SEQUENCE TANDEM MS	OL6: Beata Liberek - INSIGHT INTO THE COURSE OF THE FERRIER REARRANGEMENT	OL10: Helena Coelho - EXPLORING THE MOLECULAR RECOGNITION OF MUCIN O-GLYCANS BY SALMONELLA SIE ADHESIN	OL14: Mateusz Marianski - TARGETING VIRAL GLYCANS TO STOP VIRAL INFECTIONS
12:00-12:15	OL3: Gaël Vos - SHEDDING LIGHT ON O-GLYCANS: DIFFERENTIATING GLYCAN ISOMERS BY THEIR GAS-PHASE STRUCTURE	OL7: Jennifer Johns - EXPLOITING CHALCOGENONIUM CATALYSIS TO ACHIEVE STEREOSELECTIVE SYNTHESIS OF DEOXYGLYCOSIDES FROM GLYCALS	OL11: Marina Corbella Morató - ENGINEERING THE INVERTING MECHANISM OF A HIGHLY SPECIFIC SIALIDASE TO RETAINING	OL15: Anna Notaro - EXPLORING THE N-GLYCOSYLATION MACHINERY IN <i>CHLOROVIRUSES</i>
12:15-12:30	OL4: Weiwei Wang - QUANTITATIVE ANALYSIS OF SITE-SPECIFIC N-GLYCAN STRUCTURES IN HUMAN IMMUNOGLOBULINS	OL8: Daan Hoogers - FRONTSIDE SN2 GLYCOSYLATION REACTIONS	OL12: Maria Elena Laugieri - DECODING THE MOLECULAR BASIS OF THE SPECIFICITY OF AN ANTI-STN ANTIBODY	OL16: Łukasz Sobala - COMPARATIVE GLYCOMICS REVEALS CHANGES IN N-GLYCOME PATTERNS IN MULTICELLULARITY AND EARLY ANIMAL EVOLUTION
12:30-14:00	Lunch			
	Session 5 (flash) Keynote topic: Plant PS synthesis Chair: Atsushi Shimoyama	Session 6 (flash) Keynote topic: Glycodrugs Chair: Thomas Boltje	Session 7 (flash) Keynote topic: Glycosaminoglycans Chair: Jerry Eichler	Session 8 (flash) Keynote topic: Bacterial PS Chair: Adam Choma
14:00-14:30	Duo-KL1: Mads Clausen and Fabian Pfengle - CHEMICAL SYNTHESIS OF RHAMNOGALACTURONAN-I OLIGOSACCHARIDES AND THEIR ROLE IN PLANT IMMUNITY	KL5: Francesca Cardona - TAILORED IMINOSUGARS TO TACKLE COMPLEX DISEASES	KL6: Serge Perez - GLYCOSAMINOGLYCANS: WHAT REMAINS TO BE SOLVED?	KL7: Sabina Górska - POLYSACCHARIDES VS. ALLERGIES: THE SWEETEST BATTLE YOU DIDN'T KNOW YOU NEEDED
14:30-14:45		OL17: Deepak Kushwaha - SHELF-STABLE 3-THIOCRESYL-PROP-1-ENYL (TCP) GLYCOSIDES IN GLYCOSYLATIONS	OL18: Gavin Miller - SWEET TARGETS: A BIOCATALYTIC METHOD TO GLYCOSYLATE NUCLEOSIDE ANALOGUES	OL19: Gordon Boehlich - DEVELOPMENT OF A FLUORESCIN-BASED LABEL FOR SIMPLE AND SELECTIVE LABELLING OF OLIGOSACCHARIDES
14:45-14:50	FL1: Fayliesha Spyker	FL8: Corinne Lepetit	FL16: Caroline Gilleron	FL24: Andrea Iovine
14:50-14:55	FL2: Rei Hattori	FL9: Daria Grzywacz	FL17: Han Zhang	FL25: Jordi Guixeras
14:55-15:00	FL3: Christopher Herailh	FL10: Mariusz Dziadosz	FL18: Nam-Hai Hoang	FL26: Eliška Filipová
15:00-15:05	FL4: Irene Pasini	FL11: Alexandra Couto Oliveira	FL19: James Jeffries	FL27: Pedro J. Hernandez
15:05-15:10	FL5: Camille Bedu	FL12: Lucy Spicer	FL20: Lisa Coddens	FL28: Francesca Milano
15:10-15:15	FL6: Yadiel Vazquez	FL13: Grzegorz Detlaff	FL21: Emeline Richard Millot	FL29: Håvard Hoel
15:15-15:20	FL7: Zoe Beato	FL14: Rob Lammers	FL22: Léa Latour	FL30: Amina Maalej
15:20-15:25		FL15: Francesca Mangiavacchi	FL23: Szymon Jarząbek	FL31: Yonatan Sukhran
15:30-17:30	Poster Session 1 + coffee break			
	Session 9 Topic: Disease treatment Chair: Suvarn Kulkarni	Session 10 Topic: Probes Chair: Philippe Compain	Session 11 Topic: Glycoenzymes Chair: Antoni Planas	Session 12 Topic: Natural drugs Chair: Fabian Pfengle
17:30-17:45	OL20: Vladimir Kren - DIAMINOCYCLOPENTANE GLYCOMIMETICS AS SELECTIVE O-GlcNAcASE INHIBITORS: NEW APPROACH TO ALZHEIMER DISEASE TREATMENT	OL23: Tanja Wrodnigg - LIGAND-DIRECTED PROFILING OF GLYCOSIDASES WITH GLYCOMIMETIC- BASED PROBES BASED	OL28: Yuval Shoham - NEAR ATOMIC-RESOLUTION CRYO-EM STRUCTURE OF THE <i>ZYMOMONAS MOBILIS</i> GH68 LEVANSUCRASE FIBRILS	OL33: Kecheng Li - KEY STRUCTURAL IDENTIFICATION OF CHITOOLIGOSACCHARIDES RESPONSIBLE FOR THEIR ANTI-INFLAMMATORY ACTIVITY
17:45-18:00		OL24: Roy Steneker - ACTIVITY-BASED PROBES TARGETING MARINE FUCOIDAN HYDROLASES	OL29: Maher Abou-Hachem - ENZYMES FROM THE GUT SYMBIONT <i>AKKERMANSIA MUCINIPHILA</i> CATALYSE EFFICIENT REMOVAL OF EXTENDED A AND B BLOOD ANTIGENS	OL34: Kari Tvete Inngjerdigen - FUNGAL POLYSACCHARIDES FROM <i>INONOTUS OBLIQUUS</i> INDUCE MACROPHAGE ANTI-CANCER ACTIVITY
18:00-18:15		OL25: Patricia Busca - DESIGN AND SYNTHESIS OF SACCHARIDE-BASED MOLECULAR TOOLS TO PROBE OSP AND FOS TRAFFICKING	OL30: Liang Wang - FINE MOLECULAR STRUCTURE OF GLYCOGEN PARTICLES IN <i>ESCHERICHIA COLI</i>	OL35: Marta Krychowiak-Maśnicka - DISCOVERY OF NON-TOXIC ANTIBACTERIAL GLYCOSIDES FROM <i>DROSERA GIGANTEA</i>
18:15-18:30	OL21: Jonathan Cramer - MONO- AND MULTIVALENT GLYCOMIMETICS TARGETING DENDRITIC CELLS AS NOVEL TOOLS FOR MEDICINAL CHEMISTRY	OL26: Laia Saltor Núñez - PHOTOACTIVE CHITOOLIGOSACCHARIDE (COS) PROBES TO IDENTIFY AND ISOLATE LYSOSOMAL OLIGOSACCHARIDE TRANSPORT (LOST)	OL31: Xevi Biarnés - EVOLUTION OF GLYCOSIDE HYDROLASES AND THEIR ELECTROSTATIC PROPERTIES	OL36: Mina Gravdahl - ALGINATE-AMPHOTERICIN B BIFUNCTIONAL CONJUGATES FOR RESISTANT AND RECURRENT FUNGAL INFECTIONS
18:30-18:45	OL22: Trinidad Velasco-Torrijos - TARGETING GLYCAN-MEDIATED ADHESION IN FUNGAL INFECTION	OL27: Lloyd Murphy - SYNTHESIS AND SCREENING OF RIBITOL-5-PHOSPHATE METABOLIC LABELLING TOOLS TO STUDY MUSCULAR DYSTROPHIES	OL32: Mahima Sharma - EXPLORING NEW PATHWAYS OF SULFOQUINOVOSE BIODEGRADATION	OL37: Milo Malanga - STRUCTURE-ACTIVITY RELATIONSHIP OF MODIFIED AMPHIPHILIC CATIONIC CYCLODEXTRINS FOR RNA DELIVERY

Tuesday 8th July	Concert Hall	Green Hall	White Hall	Oak Hall
9:00-9:45	PL6: Göran Widmalm - GLYCAN STRUCTURE Chair: Jesús Jiménez Barbero			
9:45-10:30	PL7: Hiromune Ando - CHALLENGE TO THE SYNTHESIS OF HIGHLY COMPLEX SIALO-GLYCANS Chair: Alba Siliipo			
Coffee break				
	Session 13 Topic: Arrays Chair: Valentin Wittmann	Session 14 Topic: Stereocontrolled glycosylation Chair: Guozhi Xiao	Session 15 Topic: Vaccines Chair: Laurence Mulard	Session 16 Topic: Hydrogen bonds and glycomimetics Chair: Serge Perez
11:00-11:30	KL8: Ratmir Derda - DECIPHERING <i>IN VIVO</i> GLYCOBIOLOGY WITH GENETICALLY-ENCODED, MULTIVALENT LIQUID GLYCAN ARRAY AND LIQUID LECTIN ARRAY	KL9: Charles Loh - WEAVING NONCOVALENT INTERACTIONS INTO CARBOHYDRATE SYNTHESIS: AN EMERGING FRONTIER IN GLYCOSYLATION STEREOCONTROL	KL10: Atsushi Shimoyama - SYNTHESIS AND FUNCTIONS OF BACTERIAL LIPID A FOR SAFE VACCINE ADJUVANT DEVELOPMENT	KL11: Bruno Linclau - THE HYDROGEN BOND DONATING CAPACITY OF INDIVIDUAL ALCOHOL GROUPS IN CARBOHYDRATES
11:30-11:45	OL38: Michelle Kilcoyne - GLYCOMICS MICROARRAYS REVEAL HIGHER CD64 BINDING AND GREATER PHAGOCYTOSIS ASSOCIATED WITH SERUM IGG FUCOSYLATION IN SEVERE COVID-19 DISEASE	OL42: Alexei Demchenko - FROM STEREOCONTROLLED GLYCOSYLATION TO AUTOMATED CHEMICAL SYNTHESIS	OL46: Roberto Adamo - OPTIMIZING CONJUGATION OF PATHOGEN ASSOCIATED PROTEINS FOR NOVEL GLYCOCONJUGATE VACCINES	OL50: Emiliano Bedini - TOWARDS THE SEMI-SYNTHESIS OF PHOSPHORYLATED GLYCOSAMINOGLYCANS
11:45-12:00	OL39: Jin Yu - GLYCAN MICROARRAYS – ESSENTIAL TOOLS FOR GLYCAN RECEPTOR TYPING OF EMERGING INFLUENZA VIRUSES	OL43: Eoghan McGarrigle - STEREOSELECTIVE GLYCOSYLATIONS	OL47: Cyrille Grandjean - MUTAGENESIS AND NON-CANONICAL AMINO ACID INCORPORATION FOR THE PREPARATION OF HOMOGENEOUS GLYCOCONJUGATE VACCINES	OL51: Agata Zykwska - GLYCOSAMINOGLYCAN-MIMETIC INFERNAN AS THERMORESPONSIVE POLYSACCHARIDE FOR TISSUE ENGINEERING APPLICATIONS
12:00-12:15	OL40: Mattan Hurevich - ELECTROCHEMICAL AND SURFACE ANALYSES FOR STUDYING AND UTILIZING GLYCAN INTERACTIONS	OL44: Yugen Zhu - THE GLYCOSYL 8-ALKYNYL NAPHTHOATE DONOR STREAMLINES THE SYNTHESIS OF CARBOHYDRATES	OL48: Giuseppe Stefanetti - STRAIN-LEVEL MICROBIOTA VARIATION SHAPES IMMUNE RESPONSES TO GLYCOCONJUGATE VACCINATION	OL52: Fabiana Esposito - SEMI-SYNTHETIC PATHWAYS TO OBTAIN GLYCOSAMINOGLYCANS MIMETICS FROM SUSTAINABLE SOURCES
12:15-12:30	OL41: Michaela Wimmerova - LECTINS IN HOST-PATHOGEN INTERACTIONS: STRUCTURE, FUNCTION, AND THEIR ANALYTICAL POTENTIAL	OL45: Chun-Wei Chang - ELUCIDATING REACTIVE SUGAR-INTERMEDIATES BY CRYOGENIC INFRARED SPECTROSCOPY	OL49: Magda Fajjes - MANNOSE-FUNCTIONALIZED NANOPARTICLES AS MRNA VACCINES SELECTIVELY TARGETED TO ANTIGEN-PRESENTING CELLS	OL53: Luca-Cesare Blawitzki - MIMICKING THE BARRIER: SULFATED GLYCOSAMINOGLYCAN MIMETICS TO PROBE VIRAL INTERACTIONS
12:30-14:00 Lunch				
	Session 17 (flash) Keynote topic: Carbohydrate modelling Chair: Miloš Hricovini	Session 18 (flash) Keynote topic: Carbohydrate synthesis Chair: Francesca Cardona	Session 19 (flash) Keynote topic: Host-guest interactions Chair: Roberta Marchetti	Session 20 (flash) Keynote topic: Glycomimetics Chair: Pavla Bojarova
14:00-14:30	Duo-KL2: Sergey Samsonov and Martin Zacharias - DOCKING LONG GLYCOSAMINOGLYCANS WITH ADVANCED SAMPLING MOLECULAR DYNAMICS-BASED APPROACHES	KL12: Philippe Compain - EXPLORATION OF UNFREQUENTED REGIONS OF GLYCOCHEMICAL SPACE USING NOVEL SYNTHETIC METHODOLOGIES	KL13: Alba Siliipo - CARBOHYDRATES AS KEYWORDS IN THE MOLECULAR DIALOGUE	KL14: Anikó Borbás - STEREOSELECTIVE SYNTHESIS OF GLYCOSYL-THIOLS AND THEIR CONJUGATES BY CRYO THIOLENE PHOTOCOUPLING
14:30-14:45		OL55: José Danglad Flores - RECENT DEVELOPMENTS AND CHALLENGES IN AUTOMATED GLYCAN ASSEMBLY	OL57: Joseph Byrne - GLYCOCONJUGATE METAL COMPLEXES AS LECTIN-TARGETING ANTI-ADHESIVES AGAINST PATHOGENS AND SENSORS	OL59: Alla Zamyatina - PHOSPHORYLATED BACTERIAL GLYCOLIPIDS AND MIMETICS WITH A ROLE IN INNATE IMMUNITY
14:45-15:00	OL54: Laura Diaz Casado - ILLUMINATING A SOLVENT-DEPENDENT HIERARCHY FOR AROMATIC CH/PI COMPLEXES WITH DYNAMIC COVALENT GLYCO-BALANCES	OL56: Daniel Hoard - BREAKING THE REACTIVITY TREND WITH COOPERATIVELY-CATALYZED (4K) REACTION	OL58: Yang Zou - HISTIDINE-RICH GLYCOPROTEIN SIALYLATION AFFECTS ITS INHIBITION OF FXII AUTOACTIVATION	OL60: Guillaume Blondy - SECONDARY ALKOXYAMINE: ADVANTAGES AND CAVEATS IN THE PREPARATION OF GLYCOCONJUGATES
15:00-15:05	FL32: Tobias Dorn	FL39: Alessandro Petronilli	FL46: Mirane Florencio-Zabaleta	FL53: Anna Kovalová
15:05-15:10	FL33: Jakub Zyka	FL40: Oana Popa	FL47: Luca Pisapia	FL54: Olivier Dulawa
15:10-15:15	FL34: Mathieu Scalabrini	FL41: Ajay Sharma S	FL48: Juan Carlos Villegas Ruiz	FL55: Daniel García de Otazo Hernandez
15:15-15:20	FL35: Rasha Ghanem Kattoub	FL42: Carla Jasmine Oliveira e Silva	FL49: Anastasia Tsagkarakou	FL56: Sean Austin
15:20-15:25	FL36: Nawar Ahmad	FL43: Vincent Verhoeke	FL50: Alessandro Antonio Masi	FL57: Yujin Kitai
15:25-15:30	FL37: Jacob Clark	FL44: Rachel Carpaye	FL51: Intan Hawina Anjari	
15:30-15:35	FL38: Marta Pagielska	FL45: Marie-Claire Jiang	FL52: Thomas Rexer	
15:35-17:30	Poster Session 2 + coffee break			
	Session 21 Topic: Glycoproteomics Chair: Parastoo Azadi	Session 22 Topic: Fluorinated carbohydrates Chair: Bruno Linclau	Session 23 Topic: Green carbohydrates Chair: Bjørge Westereng	Session 24 Topic : GAGs modelling Chair: Sergey Samsonov
17:30-17:45	OL61: Yehia Mechref - ADVANCING THE ISOMERIC SEPARATION OF GLYCAN AND GLYCOPEPTIDE ISOMERS BY LC-MS/MS/ITILE IN CAPITAL LETTERS	OL65: Koichi Fukase - CATALYTIC GLYCOSYLATIONS USING GLYCOSYL FLUORIDE BY BORATE COMPLEX	OL69: Alberto Marra - SYNTHESIS OF BIO-SOURCED ANTIOXIDANTS BY PHOTOINDUCED THIOLENE COUPLING UNDER CONTINUOUS-FLOW CONDITIONS	OL73: Hector Martinez-Seara - ADVANCING MOLECULAR DYNAMICS SIMULATIONS OF GLYCANS THROUGHCHARGE SCALING
17:45-18:00	OL62: Ronghu Wu - COMPREHENSIVE CHARACTERIZATION OF CELL-SURFACE GLYCOPROTEINS AND THEIR DYNAMICS USING MASS SPECTROMETRY- BASED PROTEOMICS	OL66: Jindřich Karban - UNEXPECTED BINDING OF FLUORINATED DISACCHARIDES TO WGA	OL70: Serena Traboni - SOLVENT-FREE SYNTHESIS OF GLYCOSIDIC, ESTER AND PEPTIDE BONDS: STREAMLINED ACCESS TO VALUABLE GLYCOCONJUGATES	OL74: Sandra Rother - SELECTIVE BINDING OF IL-1 TO ISLET HEPARAN SULFATE ENHANCES IL-1 RECEPTOR ACTIVATIO
18:00-18:15	OL63: David Falck - COMPREHENSIVE CHARACTERIZATION OF ANTIBODY QUANTITIES, ISOTYPES, SUBCLASS AND GLYCOSYLATION	OL67: Abhijit Sau - DEOXYFLUORINATED SYNTHESIS OF GLYCOSYL FLUORIDES	OL71: Wieslaw Kaca - COMPARISON OF THE PHYSICAL AND CHEMICAL FEATURES OF COMPOSITES PRODUCED FROM TEXTILE WASTE AND CELLULOSES PLANTS	OL75: Stefano Elli - 1-AMINO-1-DEOXY-LACTITOL-GRAFTED HYALURONIC ACID: STRUCTURAL AND CONFORMATIONAL CHARACTERIZATION BY MULTIPLE MOLECULAR DYNAMIC SIMULATION
18:15-18:30	OL64: Kevin Pagel - INFRARED SPECTROSCOPY IN A MASS SPECTROMETER – MOLECULAR FINGERPRINTS FOR GLYCOMICS	OL68: Estelle Gallienne - SYNTHESIS OF MANNOSIDES AS INHIBITORS OF PIMs BIOSYNTHESIS	OL72: Guoqing Zhang - SITE-SELECTIVE PHOTOBROMINATION OF CARBOHYDRATES	OL76: Miguel Riopedre-Fernandez - DYNAMIC HYALURONAN-ARGININE INTERACTIONS MODULATE SOLUTION PROPERTIES AT THE MOLECULAR LEVEL
19:30-21:00	Jantar's performance - folk songs and dance ensemble			

Wednesday 9th July	Concert Hall		Green Hall	White Hall	Oak Hall
9:00-9:45	PL8: Anne Imberty - LECTINS AND LECTOMES FOR DECIPHERING THE GLYCODE Chair: Sabine Flitsch				
9:45-10:30	PL9: Herman Overkleeft - ACTIVITY-BASED GLYCOSIDASE PROFILING Chair: Hiromune Ando				
	Coffee break				
	Session 25 Topic: Glycoproteins Chair: Ratmir Derda	Session 26 Topic: Polysaccharide synthesis Chair: Paul Kosma	Session 27 Topic: Molecular interactions Chair: Martin Zacharias	Session 28 Topic: Natural PS Chair: Wieslaw Kaca	
11:00-11:30	KL15: Tiehai Li - CHEMOENZYMATIC SYNTHESIS AND BIOLOGICAL FUNCTIONS OF COMPLEX GLYCANS AND GLYCOCONJUGATES	KL16: Guozhi Xiao - STREAMLINE CARBOHYDRATES SYNTHESIS THROUGH NEW METHODS AND STRATEGIES	KL17: June Ereño-Orbea - SIGLEC-GLYCAN INTERACTIONS IN IMMUNE REGULATION	KL18: Bjørge Westereng - WHAT'S THE FUZZ ABOUT MICROBIAL SLIME?	
11:30-11:45	OL77: Yasuhiro Kajihara - REINFORCEMENT OF PROTEIN-PROTEIN INTERACTION BY GLYCOSYLATION	OL81: Laurence Mulard - FROM A UNIQUE TETRASACCHARIDE SCAFFOLD TO A BROAD SEROTYPECOVERAGE SHIGELLA FLEXNERI VACCINE CANDIDATE	OL85: Maria Pia Lenza - STRUCTURAL INSIGHTS INTO CARBOHYDRATE-LECTIN INTERACTIONS	OL89: Sabrina Bertini - FUNCTIONALIZATION OF TAMARIND (TAMARINDUS INDICA L.) SEED POLYSACCHARIDE WITH 1,4-BUTANEDIOL DIGLYCIDYL ETHER (BDDE)	
11:45-12:00	OL78: Ping Wang - CHEMICAL SYNTHESIS AND FUNCTIONAL STUDY OF COMPLEX GLYCOPROTEINS	OL82: Cheng-Chung Wang - TOTAL SYNTHESIS OF CAMPYLOBACTER JEJUNI NCTC11168 CPS	OL86: Ana Gimeno - NEW NMR STRATEGIES TO INVESTIGATE GLYCAN-LECTIN INTERACTIONS OF COMPLEX GLYCOCONJUGATES	OL90: Mélanie Marquis - ENCAPSULATION PROCESS OF MUSCLE STEM CELLS IN ALGINATE MATRICES TO ENHANCE THEIR IN VIVO POST-TRANSPLANT PROPERTIES	
12:00-12:15	OL79: Dror Ben Abba Amiel - EXPEDITIOUS SYNTHESIS OF MULTIPLY GLYCOSYLATED PEPTIDES	OL83: Uwe Osswald - TOTAL SYNTHESIS OF PECTIC POLYSACCARIDE RG-II SIDE CHAIN A	OL87: Martin Kurfirt - NMR INVESTIGATION OF RUTHENIUM-BASED SELECTIVE GALECTIN-1 INHIBITOR	OL91: Hana Maalej - OLIVE STONES: AN ATTRACTIVE SOURCE OF BIOPOLYMERS (PECTIN, HEMICELLULOSE, AND CELLULOSE) FOR FOOD AND BIOMEDICAL APPLICATIONS	
12:15-12:30	OL80: Ulla Gerling-Driessen - NEXT-GENERATION CHEMICAL TOOLS FOR IMPROVED GLYCOPROTEIN ANALYSIS	OL84: Daniele Zucchetto - SYNTHETIC PYROPHOSPHATE - CONTAINING ZWITTERIONIC LPS/LIPID A VARIANTS	OL88: Angela Marseglia - STRUCTURAL AND CONFORMATIONAL INSIGHTS INTO BACTERIAL LECTIN RECOGNITION OF HOST RECEPTORS	OL92: Marta Fiedot - THE SMART APPLE-BASED FOIL: THE ROLE OF PECTIN-GLYCEROL-LIPID INTERACTIONS ON THERMORESPONSIVE MECHANISM	
12:30-13:30	Lunch				
	Excursions				

Thursday 10th July	Concert Hall	Green Hall	White Hall	Oak Hall
	Session 29 Topic: Glycan interactions Chair: Michaela Wimmerova KL19: Bruce Turnbull - MULTIVALENT AND SUPERSELECTIVE BINDING BY BACTERIAL TOXINS	Session 30 Topic: Inhibitors Chair: Tanja Wrodnigg KL20: Pavla Bojarova - TAILOR-MADE GLYCOPOLYMERS AS PROSPECTIVE THERAPEUTIC TOOLS	Session 31 Topic: Bacterial envelope Chair: Jolanta Lukaszewicz KL21: Chris Whitfield - THE ENZYMIC ORIGIN OF PENTAFURANOSIDES IN BACTERIAL POLYSACCHARIDES	Session 32 Topic: Carbohydrate modelling Chair: Hector Martinez-Seara KL22: Miloš Hricovini - THEORETICAL INSIGHTS INTO THE STRUCTURE AND NMR SPIN-SPIN COUPLING CONSTANTS IN BIOLOGICALLY ACTIVE SACCHARIDES OL105: Denys Biriukov - SUBTLE BUT SYSTEMATIC ANOMERIC PREFERENCES IN SACCHARIDE INTERACTIONS
9:00-9:30				
9:30-9:45	OL93: Valentin Wittmann - LECTIN LIGANDS: FROM MULTIVALENCY TO PHOTOSWITCHING	OL97: Kamil Parkan - 5-GALACTOSIDE INHIBITORS OF GALECTIN-1 AND -3: FROM MOLECULAR DESIGN TO HIGHLY SELECTIVE NANOMOLAR INHIBITORS	OL101: Antoni Planas - PEPTIDOGLYCAN DEACETYLASES FROM <i>BACILLUS SUBTILIS</i> . SPECIFICITY AND STRUCTURAL INSIGHTS FOR MurNAc AND GlcNAc DEACETYLATION	
9:45-10:00	OL94: Alexander Titz - HIGH-AFFINITY LECTIN LIGANDS ENABLE THE DETECTION OF PATHOGENIC <i>PSEUDOMONAS AERUGINOSA</i> BIOFILMS: IMPLICATIONS FOR DIAGNOSTICS AND THERAPY	OL98: Vojtech Hamala - ORGANORUTHENIUM GLYCOMIMETICS AS NEXT-GENERATION GALECTIN-1 INHIBITORS	OL102: Adrià Alcaide-Jiménez - ENZYMIC INITIATION AND POLYMERIZATION OF GROUP 2 BACTERIAL CAPSULES	OL106: Wojciech Plazinski - EXPLORING THE POTENTIAL OF COARSE-GRAINED SIMULATIONS: NOVEL MODELS AND BROADER APPLICATIONS FOR SACCHARIDES
10:00-10:15	OL95: Kazuya Kabayama - ENHANCING ANTIBODY THERAPEUTICS VIA GLYCAN ENGINEERING AND INTRACELLULAR DYNAMICS CONTROL	OL99: Patrick Weber - BICYCLIC IMINOSUGARS AS POTENTIAL GLYCOSIDASE INHIBITORS	OL103: Satish Raina - REGULATED ASSEMBLY OF LIPOPOLYSACCHARIDE AND ITS BALANCE WITH PHOSPHOLIPIDS IN <i>ESCHERICHIA COLI</i> REQUIRED A NEW THIOESTERASE TEST	OL107: Rafal Slusarz - A COMPARATIVE STUDY OF DIFFERENCES IN BINDING AND CONFORMATIONAL FLEXIBILITY OF THE VANCOMYCIN, DALBAVANCIN AND TEICoplanin COMPLEXES WITH THE PEPTIDOGLYCAN FRAGMENT OL108: Tomasz Pieńko - TOWARD COMPUTER-AIDED DESIGN OF CATALYTIC AMINOGLYCOSIDE – “A WOLF IN SHEEP’S CLOTHING”
10:15-10:30	OL96: Iris Bermejo - GLYCAN MEDIATED FUNCTION OF OSTEOPOINTIN	OL100: Ashis Dhara - DESIGN, SYNTHESIS AND EVALUATION OF BICYCLIC AND SPIRO COMPOUNDS AS GLYCOMIMETIC INHIBITORS OF GALECTINS	OL104: Gracjana Klein - MECHANISM OF RECOGNITION OF LPS BY LAPC AND A REQUIREMENT FOR NEW REGULATORS INCLUDING POLYPHOSPHATE KINASE PPK	
Coffee break				
	Session 33 Topic: Nanomaterials Chair: Martina Delbianco OL109: Bjørn Christensen - DIBLOCK CO-POLYSACCHARIDES: SYNTHESIS, CATION-INDUCED SELF-ASSEMBLY, AND BINDING AND DELIVERY OF RADIONUCLIDES	Session 34 Topic: Glycoconjugates Chair: Tiejai Li OL115: Yukari Fujimoto - MONOGLYCOSYL CERAMIDE LIPID STRUCTURE-DEPENDENT CD1D FUNCTIONAL STABILIZATION AND SELECTIVE IMMUNOMODULATION	Session 35 Topic: Bacterial PS Chair: Flaviana Di Lorenzo OL121: Jolanta Lukaszewicz - <i>YERSINIA ENTEROCOLITICA</i> O:3 OUTER MEMBRANE VESICLES – CHARACTERISTICS AND MOLECULAR BASICS FOR INTERACTION WITH COMPLEMENT SYSTEM OL122: Ferran Nieto-Fabregat - STRUCTURAL CHARACTERIZATION AND IMMUNE RECOGNITION OF PAENALCALIGENES HOMINIS LIPOPOLYSACCHARIDES: EXPLORING POTENTIAL HOST-PATHOGEN INTERACTIONS	Session 36 Topic: Enzymes and glycoproteins Chair: Anne Harduin-Lepers OL125: Yves Blierot - GENERATION OF GLYCOSYLIUM IONS IN SUPERACID: ENZYMIC RELEVANCE AND SYNTHETIC POTENTIAL OL126: Tessa Keenan - CO-FACTOR PROSTHESIS FACILITATES THE BIOSYNTHESIS OF PSEUDAMINIC ACID DERIVATIVES
11:00-11:15				
11:15-11:30	OL110: David Bonnañé - SELF-ASSEMBLED COMBINATORIAL SURFACES MIMICKING HEPARAN SULFATE BIOACTIVITY: FROM 2D SCREENING TO IFN INHIBITION OR DELIVERY IN CELLULAR CONTEXT	OL116: Jun-ichi Tamura - CHEMICAL EXTENSION AND GLYCODENDRIMER FORMATION OF THE MATRIGLYCAN DECA-SACCHARIDE, (-3Xyl α 1-3Glc α 1-5) AND ITS AFFINITY FOR LAMININ	OL123: Anna Maciejewska - <i>ESCHERICHIA COLI</i> P2B POLYSACCHARIDE AS A LIGAND FOR COMPLEMENT LECTIN PATHWAY ACTIVATING FICOLIN-2 AND 3 DUO-OL2: Michelle Kuttel and Neil Ravenscroft - SUGARDB: USER-CENTRED DESIGN OF A CARBOHYDRATE STRUCTURAL DATABASE FOR <i>KLEBSIELLA PNEUMONIAE</i> AND OTHER PATHOGENS	OL127: Filipa Marcelo - STRUCTURAL INSIGHTS INTO MUCIN O-GLYCOSYLATION AND RECOGNITION OL128: Rachel Hevey - MUCIN GLYCANS AS REGULATORS OF PATHOGEN VIRULENCE
11:30-11:45	OL111: Camilla Matassini - GLYCO-GOLD NANOPARTICLES DECORATED WITH IMINOSUGARS AS MULTIVALENT ENHANCERS OF GCASE ENZYME	OL117: Charles Gauthier - TRITERPENOID SAPONINS BEARING LEWIS-X AND Q5-21 EPITOPES: ANTIVIRAL, TOXICOLOGICAL, AND IMMUNOLOGICAL EVALUATION OL118: Laurent Legentil - INVESTIGATION TOWARDS THE SYNTHESIS OF ALKYL C-GALACTOFURANOSIDES DERIVATIVES WITH POTENTIAL ANTILEISHMANIAL PROPERTIES		
11:45-12:00	OL112: Chiara Mangini - LOOKING INTO NEW DIRECTIONS FOR GLYCONANOMATERIALS: GLYCO-NANORADIOSENSITIZERS FOR PRECISION RADIOTHERAPY IN CANCER	OL119: Stephanie Norsikian - FAST AND EFFECTIVE PREPARATION OF HIGHLY CYTOTOXIC HYBRID MOLECULES OF SCHWEINFURTHIN E AND OSW-1		OL129: Marko Anderluh - CLASSICAL INHIBITORS VS. PROTACS TARGETING GALECTIN-8
12:00-12:15	OL113: Nives Hribenik - PATTERNED PRECISION: CONSTRUCTING BIOACTIVE SUPRAMOLECULAR CARBOHYDRATE-BASED NANOMATERIALS	OL120: Hiroaki Matoba - DEVELOPMENT OF A SYNTHETIC METHOD OF C-ACYL GLYCOSIDE VIA PHOTOREDOX COUPLING	OL124: Nicole Richardson - MODELLING INSIGHTS INTO GROUP B STREPTOCOCCUS CPS: USEFULLY INFORMING VACCINE DESIGN AND PROCESSING	
12:15-12:30	OL114: Angela Casillo - INVESTIGATING THE STRUCTURAL AND FUNCTIONAL PROPERTIES OF CAPSULAR POLYSACCHARIDE FROM <i>PSYCHROBACTER</i> SP. TAE2020			OL130: Amélia Rauter - PURINE NUCLEOSIDES SECRET - METAL CHELATION AND CHOLINERGIC EFFECTS
12:30-14:00	Lunch			
	Session 37 Topic: Glycoengineering Chair: Bruce Turnbull OL131: Barbara Richichi - GLYCAN EDITING vs GLYCAN-MOTIF EDITING: CHEMICAL TOOLS FOR THE PRECISION REMODELLING OF THE GLYCOCALYX	Session 38 Topic: Glycomimetics Chair: Anikó Borbás OL135: Jérôme Desire - AZALEVOGLUCOSAN, A USEFUL SCAFFOLD TO REACH IMINOSUGARS WITH HIGH MOLECULAR DIVERSITY	Session 39 Topic: Bacterial PS Chair: Satish Raina OL138: Flaviana Di Lorenzo - LIPOPOLYSACCHARIDES FROM MICROBIOTA: A JOURNEY FROM THE STRUCTURE TO THE FUNCTION OL139: Tomasz Niedziela - A PUZZLING <i>BORDETELLA PETRII</i> O-ANTIGEN OL140: Marcello Mercogliano - AGAINST THE TREND: INSIGHTS INTO LIPOPOLYSACCHARIDE STRUCTURE AND OUTER MEMBRANE DYNAMICS IN COLD-ADAPTED <i>PSEUDOMONAS</i> OL141: Roger Laine - TUMOR HEMORRHAGIC POLYSACCHARIDES FROM <i>STREPTOCOCCUS</i> AND <i>SERRATIA</i> ARE THE API'S OF COLEY'S TOXIN	Session 40 Topic: Glycoanalytics Chair: Göran Widmalm OL142: Sebastian Galuska - COMPARISON OF MILK OLIGOSACCHARIDES IN HOLSTEIN-FRIESIAN COWS AND WATER BUFFALOS DURING EARLY LACTATION OL143: Davide Ret - ROLE OF SIALIC ACID AND GLYCOSYLATIONS AS BIOMARKERS FOR SEVERITY STRATIFICATION IN POST-VIRAL INFECTION SYNDROME OL144: Hana Ishikawa - ANALYSIS OF SPECIFIC INTERACTIONS BETWEEN GLYCANS AND WATER BY NUCLEAR MAGNETIC RESONANCE OL145: Clemens Lütjohann - CONFORMATIONAL ANALYSIS OF D-ALTOPYRANOSIDE DERIVATIVES
14:00-14:15				
14:15-14:30	OL132: Kamil Godula - GLYCOCALYX ENGINEERING TO IMPROVE THE METABOLISM AND GLUCOSE CLEARANCE CAPACITY OF ADIPOCYTES	OL136: Hanna Zinchenko - DEVELOPMENT OF NEW TYPE OF THIO-GLYCOMIMETICS USING TANDEM KNOEVENAGEL-HETERO-DIELS-ALDER REACTIONS		
14:30-14:45	OL133: Sebastien Gouin - SWEET SPARKS: REMODELLING OF CELL SURFACES WITH CARBOHYDRATES VIA CLICK ELECTROCHEMISTRY	OL137: Jakub Lagiewka - MODIFICATION OF NON-POLAR POLYMERS WITH CARBOHYDRATES: ACCESS THROUGH MALEIC ANHYDRIDE		
14:45-15:00	OL134: Niels Reichardt - VECTOR GLYCOENGINEERING			
Coffee break				
15:30-16:15	PL10: Xuefei Huang - DEVELOPMENT OF SIALYL LEWISA-BASED ANTI-CANCER IMMUNOTHERAPY Chair: Herman Overkleeft			
16:15-17:10	Carbohydrate Research Award 2025 PL11: Martina Delbianco - CARBOHYDRATES FOLDAMERS AND ASSEMBLIES Chair: Carmen Galan			
17:15-17:45	Poster Awards; ICS 2026; EUROCAB 2027; Closing			
19:00-23:00	Symposium Dinner			