

XIV JORNADAS DE CARBOHIDRATOS DE LA RSEQ 2026

2-4 September 2026 · CICCartuja, Seville · Complete concise programme

WEDNESDAY, 2 SEPTEMBER

Session 1 | Chair: Javier Rojo

14:00-16:30	Registration
16:30-16:45	Inauguration
16:45-17:30	PL-01 · Juan Luis Asensio Sweet Interactions: The Physics and Chemistry of Glycan Binding
17:30-18:00	INV-01 · Jesús Angulo Decoding Weak Glycan Binding: Advancing STD NMR and Computational Approaches for Structure and Affinity
18:00-18:15	OC-01 · Ignacio Pérez-Victoria Medinamycin, a Structurally Unique Phosphoglycolipid Antibiotic
18:15-18:30	OC-02 · Lloyd Murphy Sweet Targets: Exploring the Glycosylation of Nucleoside Analogue Therapeutics
18:30-18:45	OC-03 · Javier Cañada Reversible Modulation of Glycan Recognition in C-Type Lectins by Calcium/Lanthanide Exchange
18:45-19:00	OC-04 · Daniela Barreira Bacteroides caccae Mucinase Role During Tumour Development: Interplay of the Gut-Tumour Axis
19:00	Welcome cocktail

THURSDAY, 3 SEPTEMBER

Session 2 | Chair: Antoni Planas

09:30-10:15	PL-02 · Cristina Nativí Sweet Chemistry Meets [4+2] Cycloadditions: Building Locked MUC1 Mimetics
10:15-10:45	INV-02 · Javier Ramos-Soriano Synthetic Oligomannosides as Glyco-Tools to Explore Glycan-Mediated Biological Processes
10:45-11:00	OC-05 · Macarena Martínez-Bailén Sulforaphane Glycoconjugates as Bioactive Tools for the Treatment of Inflammatory Disorders
11:00-11:15	OC-06 · Raquel C. R. Gonçalves Design, Synthesis and Evaluation of Sugar Pyrvinium Derivatives as Antibiotics: G-Quadruplexes as Potential Targets
11:15-11:30	OC-07 · Elena Sánchez-Fernández Exploring the Influence of the Glycone Core Functionalization of sp2-Iminoglycolipids on Their Immunomodulatory Potential
11:30-12:15	Coffee break + posters

THURSDAY, 3 SEPTEMBER · continued

Session 3 | Chair: Francisco Corzana

12:15-12:45	INV-03 · Paula Videira Bridging Cancer Immunosuppression and CDG Through Glycan Biology
12:45-13:15	INV-04 · Marthe Walvoort Development of Tools to Visualize Bacterial Cell Surface Glycoconjugates Involved in Infection
13:15-13:30	OC-08 · Sergio Adorna-Sánchez Trehalose Janus Amphiphiles: Unlocking Structure-Activity Relationships for Gene Delivery
13:30-13:45	OC-09 · Laura Díaz-Casado Glycomimetics-Multivalent Probes to Fight Antimicrobial Resistance
13:45-13:50	FC-01 · Rocío Rodríguez-Marín Leishmanicidal Potential of a Novel Collection of 2-Deoxy sp2-Iminoglycolipids
13:50-13:55	FC-02 · Óscar Vidal Unraveling the Mechanism of A4GALT and Insights into Adamantyl-Galactoceramide Analogues: Towards a Therapeutic Approach for Fabry Disease
13:55-14:00	FC-03 · Qinghua Liao MACE-Glycan: Development and Validation of a Multi-Layer Atomic Cluster Expansion Potential for Glycans
14:00-15:45	Lunch + poster session

Session 4 | Chair: Ana Gómez & Javier Ramos

15:45-16:15	INV-05 · Rachel Hevey Applying Rational Drug Design to Carbohydrate-Based Therapeutics
16:15-16:45	INV-06 · Felix Loeffler On-Chip Synthesis of Glycopeptide and Glycan Microarrays
16:45-17:00	OC-10 · Andrés González-Santana Targeting EF-P Arginine Rhamnosylation: Design, Synthesis and Complex Crystal Structure of Selective EarP Inhibitors
17:00-17:15	OC-11 · Irene Herrera-González Fluorination of Key Mannobioside Coordination Sites for Decoding DC-SIGN Recognition Mechanism
17:15-18:00	Coffee break + posters
18:00-18:15	OC-12 · Antonio Franconetti Glyco-Engineered Crosslinkers for Brain Targeting: Supramolecular Control of Thermo-Responsive Hydrogels
18:15-18:30	OC-13 · Beatriz del Campo Herrero Design and Synthesis of Sialoglycomimetics for Evaluation as Potential Siglec Inhibitors
18:30-18:35	FC-04 · Ester Jiménez Moreno Rational Design of Novel Self-Immollative Linkers for Targeted Drug Delivery
18:35-18:40	FC-05 · Rocío Pereira-Jaramillo Orthogonal Synthesis of Truncated Man9 Oligosaccharides as Tools for DC-SIGN Recognition
18:40-18:45	FC-06 · Samira Al Sadi Molecular Insights into the Catalytic Mechanism of a Bacterial HMW1C-Like N-Glycosyltransferase
18:45-19:45	GEHIC Meeting

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Session 5 | Chair: Carme Rovira

09:30-10:15	PL-03 · Gideon Davies Activity-Based Probes in the Glycosciences: Examples from Biotechnology and Medicine
10:15-10:45	INV-07 · Ramón Hurtado-Guerrero Decoding Clustered Glycans for Targeted Mucin Recognition and Breakdown
10:45-11:00	OC-14 · Cátia O. Soares Tumour-Associated MUC1 O-Glycodomains: From Molecular Recognition to Immunomodulatory Function
11:00-11:15	OC-15 · Pablo Valverde Machine Learning Guided Quest for Glycan-Based Therapeutics: NMR and Artificial Intelligence to Disentangle Intrinsically Weak Biomolecular Interactions
11:15-11:30	OC-16 · Antoni Planas Bacillus subtilis Peptidoglycan Deacetylases: Differential Specificities and Applications Acting on Chitooligosaccharides
11:30-12:15	Coffee break + posters

Session 6 | Chair: Jesús Angulo

12:15-12:45	INV-08 · Luca Unione Glycan Receptor Specificities of Human Viruses
12:45-13:00	OC-17 · María Alejandra Travedo Molecular Insights into Blood Group Antigen Recognition by Human Galectin-2
13:00-13:15	OC-18 · Milena Bartoloni 19F Galectin to Resolve Glycan Interactions Across Complex Environments
13:15-13:30	OC-19 · María Vila-Gonzalo Molecular Recognition and Structural Characterization for Epitope Definition of a Tumor-Associated Carbohydrate Antigen
13:30-13:45	OC-20 · Inés Lera-Lasso Characterization of Protein-Glycan Interactions Through Advanced STD NMR Methods
14:00-15:45	Lunch + poster session

FRIDAY, 4 SEPTEMBER · continued

Session 7 | Chair: Concepción González

15:45-16:15	INV-09 · Gonzalo Jiménez-Osés AI-Driven Protein Design for Biotechnological and Therapeutic Applications
16:15-16:30	OC-21 · Laura Mazo Mechanism of Selective Acid beta-Glucosidase 2 (GBA2) Inhibition by N-Acyl Aziridines for Gaucher Disease
16:30-16:35	FC-07 · José Pablo Rivas-Fernández Mechanistic Insights into Alginate Lyase and Epimerase Catalysis
16:35-16:40	FC-08 · David Delima Structural and Computational Evidence of the Oxocarbenium-Ion Intermediate in Glycosyltransferases
16:40-16:45	FC-09 · F. Javier Alonso Martínez Beyond beta-Galactosides: Fluorine-Based NMR Probes Uncover Cryptic Binding Promiscuity in Galectins
16:45-16:50	FC-10 · Adelyn M. Betances-Mora STD NMR and Molecular Modeling Analysis of Glycomimetic Binding to Cancer-Associated Sialyltransferases
17:00-17:45	Coffee break + posters

Session 8 | Chair: Xavier Biarnés

17:45-17:50	FC-11 · José Manuel Rojas-Marcos Hernández NMR Characterization of CD44: Analysis of Glycosylation Profile and Molecular Interactions
17:50-18:05	OC-22 · Jonathan Ramírez-Cárdenas (Best Thesis GEHIC) Structural Characterisation of Low Affinity Protein-Ligand Complexes of Biological Relevance by Novel STD NMR Approaches
18:05	Closing + poster awards
21:00	Gala Dinner

PL = Plenary · INV = Invited/Keynote · OC = Oral communication · FC = Flash communication