

PRELIMINARY PROGRAMME Summer Course Glycosciences

18th European Training Course on Carbohydrates

June 1-5 2025, Groningen, the Netherlands

Sunday June 1, 2025 Opening		
	Registration	
16.00-16.15	Opening	Organization
16.15-17.15	Lecture	Prof. Lubbert Dijkhuizen, CarbExplore, NL
17.15	Drinks and dinner	

Monday June 2, 2025 Glycoscience Nomenclature & Molecular Structures		
8.45-9.35	Introduction to carbohydrate structure and nomenclature	Prof. Marthe Walvoort, University of Groningen , NL
9.35-10.25	Bacterial carbohydrates	Prof. Alba Silipo, University of Naples Federico II, IT
10.25-10.40	<i>Coffee/ tea break</i>	
10.40-11.30	Mammalian carbohydrates	Prof. Manfred Wuhrer, LUMC, NL
11.30-12.20	Architecture and characterization of plant polysaccharides	Dr. Mirjam Kabel, Wageningen University, NL
12.20-12.30	<i>Group photo</i>	
12.30-13.15	<i>Lunch</i>	
13.15-14.05	Analytics for poly- and oligosaccharide characterization	Dr. Carolina Pandeirada, Wageningen University, NL
14.05-14.55	Structural characterization of microbial glycans	Prof. Alba Silipo, CIC bioGUNE, ES
14.55-15.45	Chitin and chitosan structures and analysis	Prof. Bruno Moerschbacher WWU Münster, DE
15.45-16.00	<i>Coffee/ tea break</i>	
16.00-16.50	Pitfalls in (chemical) carbohydrate synthesis	Prof. Stefan Oscarson University College Dublin, IR
16.50-17.40	Chemical enzymatic assisted carbohydrate synthesis	Prof. Geert-Jan Boons, Utrecht University, NL
17.40-19.30	Poster session with drinks & snack	
19.30	Dinner	

Tuesday June 3, 2025 Analytical Techniques for Glycosciences		
08.45-9.35	NMR methodologies and strategies in glycoscience	Dr. Ana Ardá, CIC bioGUNE, ES
9.35-10.25	Mass spectrometry approaches in glycoscience	Prof. Manfred Wuhrer, LUMC, NL
10.25-10.40	<i>Coffee/ tea break</i>	
10.40-12.00	Explanation and working on the assignment (homework)	Dr. de Haan / Dr. Pandeirada / Prof. Wuhrer
12.00-12.45	<i>Lunch</i>	
12.45-13.35	Plant carbohydrates and biosynthesis	Dr. Herman Höfte, INRAE, FR

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13.35-14.25	Carbohydrate-active enzymes	Dr. Mirjam Kabel, Wageningen University, NL
14.25-14.40	<i>Coffee/ tea break</i>	
14.40-15.30	Enzymatic modelling of enzyme-protein structures to understand carbohydrate conversion	Prof. Leila Lo Leggio, University of Copenhagen, DK
15.30-16.20	Bacterial gene clusters for carbohydrate polymer degradation and utilization (PULs)	Dr. Edita Jurak, University of Groningen , NL
16.20-17.10	Glycobioinformatics tools	Dr. Daniel Bojar, University of Gothenburg, SE
17.10-18.30	Poster session with drinks	
18.30	Dinner	

Wednesday June 4, 2023

Glycoscience Synthesis & Glycoscience in Health

8.45-9.35	Intro on glycomics	Prof. Hans Wandall, University of Copenhagen, DK
9.35-10.25	Cancer glycoproteomics	Dr. Noortje de Haan, LUMC, NL
10.25-10.40	<i>Coffee/ tea break</i>	
10.40-11.30	Glyco-immunology	Prof. Sandra van Vliet, Amsterdam UMC, NL
11.30-12.20	Glycosylation and viral infection	Dr. Robb de Vries, Utrecht University, NL
12.20-13.15	<i>Lunch</i>	
13.15-14.05	Polysaccharide conversion in the gut	Dr. Koen Venema, Wageningen University & Research, NL
14.05-14.55	Carbohydrates and the immune system	Prof. Paul de Vos, UMCG, NL
15.15-15.30	<i>Coffee/ tea break</i>	
15.30-16.20	<i>Speakers corner</i>	<i>To be announced</i>
16.20-17.10	Molecular simulations of glycans	Prof. Elisa Fadda, University of Southampton, UK
17.10-18.30	Free time	
18.30	Dinner	

Thursday June 5, 2021

Applications of Glycoscience

09.00-9.50	Overcoming the dietary fibre gap: insights from academia and industry	Prof. Francisco Vilaplana, KTH Royal Institute of Technology, SE
09.50-10.40	Physico-chemical properties of starch	Dr. Hans Leemhuis, AVEBE, NL
10.40-10.55	<i>Coffee/ tea break</i>	
10.55-11.40	Polysaccharides & applications (pectin, inulin)	Dr. Harry Raaijmakers, Cosun Innovation Center, NL

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11.40-12.30	Glycosciences applied in an industrial setting	Dr. Maurien Olsthoorn, DSM-Firmenich, NL
12.30-12.45	Closure & certificates	Organization
12:45-13:30	Lunch	
13.30	Travel back home	