

PRELIMINARY PROGRAMME Summer Course Glycosciences

17th European Training Course on Carbohydrates

June 11-15 2023, Wageningen, the Netherlands

Sunday, 11 June 2023 Opening		
	Registration	
16.00-16.15	Opening	Organizers
16.15-17.15	Lecture	Dr Ruud Albers
17.15	Drinks and dinner	

Monday, 12 June 2023 Glycoscience Nomenclature, Molecular Structures & Modelling		
8.45-9.35	Introduction to carbohydrate structure and nomenclature	Prof Marthe Walvoort
9.35-10.25	<i>Bacterial carbohydrates</i>	Prof Alba Silipo
10.25-10.40	<i>Coffee/ tea break</i>	
10.40-11.30	<i>Plant carbohydrates and biosynthesis</i>	Prof Herman Höfte
11.30-12.20	Architecture and characterization of plant polysaccharides	Prof Henk Schols
12.20-12.30	<i>Group photo</i>	
12.30-13.15	<i>Lunch</i>	
13.15-14.05	<i>Chitin and chitosan structures and analysis</i>	Prof Bruno Moerschbacher
14.05-14.55	Mammalian carbohydrates	Prof Manfred Wuhrer
14.55-15.35	Speakers corner	
15.35-15.50	<i>Coffee/ tea break</i>	
15.50-16.40	<i>Glycobioinformatics tools</i>	Prof Frederique Lisacek
16.40-17.30	<i>Molecular simulations of glycans</i>	Prof Elisa Fadda
17.30-19.30	Poster session with drinks & snack	
19.30	dinner	

Tuesday, 13 June 2023 Analytical Techniques for Glycosciences		
08.45-9.35	Analytics for poly- and oligosaccharide characterization	Prof Henk Schols
9.35-10.25	Mass spectrometry approaches in glycoscience	Prof Manfred Wuhrer
10.25-10.40	<i>Coffee/ tea break</i>	
10.40-11.10	Explanation assignment (homework)	Prof Henk Schols / Prof Manfred Wuhrer
11.10-12.00	<i>NMR methodologies and strategies in glycoscience</i>	Prof Thomas Peters
12.00-12.45	<i>Lunch</i>	
12.45-13.35	<i>Structural characterization of microbial glycans</i>	Prof Alba Silipo
13.35-14.25	Carbohydrate-active enzymes	Dr Mirjam Kabel
14.25-14.40	<i>Coffee/ tea break</i>	
14.40-15.30	<i>Enzymatic modelling of enzyme-protein structures to understand carbohydrate conversion</i>	Dr Leila Lo Leggio
15.30-16.20	<i>Polysaccharide conversion in the gut</i>	Prof Koen Venema
16.20-18.00	Poster session with drinks	
18.00	Dinner	
20.00	Time to work on the homework assignment	

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Wednesday, 14 June 2023 Glycoscience Synthesis & Glycoscience in Health		
8.45-9.35	<i>Pitfalls in (chemical) carbohydrate synthesis</i>	Prof Stefan Oscarson
9.35-10.25	<i>Chemical enzymatic assisted carbohydrate synthesis</i>	Prof Geert Jan Boons
10.25-10.40	<i>Coffee/ tea break</i>	
10.40-11.30	<i>Glycosylation and viral infection</i>	Dr Robb de Vries
11.30-12.20	?	Prof Hans Wandall
12.20-13.15	<i>Lunch</i>	
13.15-14.05	<i>Cancer glycoproteomics</i>	Dr Noortje de Haan
14.05-15.15	Working on the homework in groups	
15.15-15.30	<i>Coffee/ tea break</i>	
15.30-16.20	<i>The stories behind the prebiotic GOS – Friesland Campina</i>	Dr Bas Kuipers
16.20-17.10	<i>Carbohydrates and the immune system</i>	Prof Paul de Vos
17.10-18.00	Bacterial gene clusters for carbohydrate polymer degradation and utilization (PULs)	Dr Edita Jurak
18.00-18.30	Discussion of the homework assignment	Prof Henk Schols / Prof Manfred Wuhrer
18.30-18.45	Posterprizes	
18.45	dinner	

Thursday, 15 June 2023 Applications of Glycoscience		
09.00-9.50	<i>Physicochemistry of polysaccharides & Oatly</i>	Prof Francisco Vilaplana
09.50-10.40	<i>Physico-chemical properties of starch</i>	Dr Hans Leemhuis (AVEBE)
10.40-10.55	<i>Coffee/ tea break</i>	
10.55-11.40	<i>Polysaccharides & applications (pectin, inulin)</i>	Dr Harry Raaijmakers (COSUN)
11.40-12.30	<i>Glycoconjugates vaccins – Johnson & Johnson</i>	Dr A Chakkumkal
12.30-12.45	Closure/wrap up & certificates	Organization
12:45-13:30	<i>Lunch</i>	
13.30	Travel back home	