

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	Prof Henk Schols
16.15-17.15	Lecture	Dr Ruud Albers
17.15	Drinks and dinner	

Monday, 12 June 2023 Glycoscience Nomenclature, Molecular Structures & Modelling		
Chair Mirjam Kabel		
8.45-9.35	Introduction to carbohydrate structure and nomenclature	Prof Marthe Walvoort
9.35-10.25	Bacterial carbohydrates	Prof Alba Silipo
10.25-10.40	<i>Coffee/ tea break</i>	
10.40-11.30	Architecture and characterization of plant polysaccharides	Prof Henk Schols
11.30-12.20	Plant polysaccharide biosynthesis	Prof Herman Höfte
12.20-12.30	<i>Group photo</i>	
12.30-13.15	<i>Lunch</i>	
Chair Marthe Walvoort		
13.15-14.05	Chitin and chitosan structures and analysis	Prof Bruno Moerschbacher
14.05-14.55	Mammalian carbohydrates	Prof Manfred Wuhrer
14.55-15.35	Speakers corner August Bekkers & Elisa Fadda (moderators Edita and Mirjam)	
15.35-15.50	<i>Coffee/ tea break</i>	
Chair Henk Schols		
15.50-16.40	Molecular simulations of glycans	Prof Elisa Fadda
16.40-17.30	Carbohydrates and the immune system	Prof Paul de Vos
17.30-19.30	Poster session with drinks & snack	
19.30	dinner	

Tuesday, 13 June 2023 Analytical Techniques for Glycosciences		
Chair Mirjam Kabel		
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)	Dr Noortje de Haan
11.10-12.00	NMR methodologies and strategies in glycoscience	Prof Thomas Peters
12.00-12.45	<i>Lunch</i>	
Chair Edita Jurak		
12.45-13.35	Structural characterization of microbial glycans	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	Enzymatic modelling of enzyme-protein structures to understand carbohydrate conversion	Dr Leila Lo Leggio
15.30-16.20	Polysaccharide conversion in the gut	Prof Koen Venema
16.20-18.00	Poster session with drinks	
18.00	Dinner	
20.00	Time to work on the homework assignment	

PROGRAMME Summer Course Glycosciences

17th European Training Course on Carbohydrates

June 11-15 2023, Wageningen, the Netherlands

Wednesday, 14 June 2023		
Glycoscience Synthesis & Glycoscience in Health		
Chair Manfred Wuhrer		
8.45-9.35	Chemical synthesis of oligosaccharides, possibilities and obstacles	Prof Stefan Oscarson
9.35-10.25	Chemical enzymatic assisted carbohydrate synthesis	Prof Geert Jan Boons
10.25-10.40	<i>Coffee/ tea break</i>	
10.40-11.30	Glycosylation and viral infection	Dr Robb de Vries
11.30-12.20	A genetic entry point to harness the untapped potential in glycobiology: from decoding functions to cancer specific targeting.	Prof Hans Wandall
12.20-13.15	<i>Lunch</i>	
Chair Henk Schols		
13.15-14.05	Cancer glycoproteomics	Dr Noortje de Haan
14.05-15.15	Working on the assignment in groups	
15.15-15.30	<i>Coffee/ tea break</i>	
15.30-16.20	GOS and HMOs: features and developments	Dr Bas Kuipers
16.20-17.10	Glycobioinformatics tools	Prof Frederique Lisacek
17.10-18.00	Dietary fibre hydrogels from cereal side streams	Prof Francisco Vilaplana
18.00-18.30	Discussion of the homework assignment	Dr. Noortje de Haan, Prof Henk Schols & Prof Manfred Wuhrer
18.30-18.45	Poster prizes presented by Edita Jurak and Mirjam Kabel	
18.45	dinner	

Thursday, 15 June 2023		
Applications of Glycoscience		
Chair Henk Schols / Marthe Walvoort or one of the guest speakers		
09.00-9.50	Bacterial gene clusters for carbohydrate polymer degradation and utilization (PULs)	Dr Edita Jurak
09.50-10.40	Physico-chemical properties of starch	Dr Hans Leemhuis
10.40-10.55	<i>Coffee/ tea break</i>	
10.55-11.40	Polysaccharides & applications (pectin, inulin)	Dr Harry Raaijmakers
11.40-12.30	Glycoconjugates vaccines – Johnson & Johnson	Dr A Chakkumkal
12.30-12.45	Closure/wrap up & certificates	Organization
12:45-13:30	<i>Lunch</i>	
13.30	Travel back home	