

Sunday

14.00-17.00

Registration

17.30-18.30

Hope Brewery Beer Tasting

19.00

Welcome Dinner

Monday

8.30 - 9.00

Registration

9.00-10.00

Paul Kosma, *Vienna, Austria*

"From an agrobacterial LPS structure to neutralizing anti-HIV neoglycoconjugates"

10.00-10.30

Trinidad Velasco-Torrijos, *Dublin, Ireland*

"Combating infection with sweet tools"

10.30-10.45

Sanaz Ahmadipour, *Keele, United Kingdom*

"Mimetic sugar nucleotides to probe a strategic bacterial dehydrogenase enzyme"

10.45-11.15

Coffee

11.15-11.30

Hao Jiang, *Dublin, Ireland*

"Synthesis of bacterial carbohydrate structures towards the development of glycoconjugate vaccines"

11.30-11.45

Mariola Paściak, *Wroclaw, Poland*

"Recognition of dimannosyl monoglyceride from *Rothia aeria* by NKT cells initiates a Th2 response"

11.45-12.00

Polina Abronina, *Moscow, Russia*

"Ring contraction in 2,3-di-O-silylated thiogalactosides under mild acidic conditions"

12.00-12.15

Dirk Michalik, *Rostock, Germany*

"Regioselective orthoester ring opening at allyl C-glycosides of D-galacturonic acid derivatives"

12.15-12.30

Charlotte Olagnon, *Vienna, Austria*

"Synthesis of donor substrates of 4-amino-4-deoxy-L-arabinose transferases"

12.30-12.45

Sabina Górska, *Wroclaw, Poland*

"Immunomodulatory properties of capsular polysaccharides of probiotic bacteria and their effect on allergy disease development"

12.45-14.15

Lunch

14.15-15.15

Chris Whitfield, *Guelph, Canada*

"Assembly of group 2 capsules in gram-negative bacteria"

15.15-15.30

Iwona Komaniecka, *Lublin, Poland*

"Reinvestigation of the lipid A structure from phototrophic bacterium *Rhodomicrobium vannielii* DSM 162"

15.30-16.00

Coffee

16.00-16.30

Wojciech Jachymek, *Wroclaw, Poland*

"*Pasteurellaceae* carbohydrate antigens: structures and glycoconjugate bovine vaccine design"

- 16.30-17.00 **Philip V. Toukach**, *Moscow, Russia*
 “From structure to spectrum and from spectrum to structure”
- 17.00-17.15 **Mateusz Pallach**, *Naples, Italy*
 “Structural and immunostimulant studies on *Acetobacter pasteurianus* and *Phaeobacter gallaeciensis* lipopolysaccharide”
- 17.15-17.30 **Anna Maciejewska**, *Wroclaw, Poland*
 “Immunogenic form of enterobacterial common antigen (ECA_{LPS}) isolated from *E. coli*”

Tuesday

8.30 - 9.00

Registration

- 9.00-9.30 **Jolanta Lukaszewicz**, *Wroclaw, Poland*
 “Diversity of *Klebsiella pneumoniae* O3 O-antigens”
- 9.30-10.00 **Wiesław Kaca**, *Kielce, Poland*
 “Detection of antibodies binding non-sugar components of *Proteus mirabilis* lipopolysaccharides from rheumatoid arthritis patients sera”
- 10.00-10.15 **Ksenia S. Egorova**, *Moscow, Russia*
 “CSDB_GT: a database on confirmed glycosyltransferases”
- 10.15-10.30 **Abdullah Hassan**, *Dublin, Ireland*
 “Towards the synthesis of pseudaminic acid and related analogues as substrates for chemoenzymatic studies”
- 10.30-10.45 **Elaine Waters**, *Galway, Ireland*
 “Investigating the use of purified bacterial polysaccharide to prevent biofilm formation on implanted medical devices”
- 10.45-11.15 **Coffee**
- 11.15-12.15 **Arturo Casadevall**, *Baltimore, USA*
 “New insights into the capsule of *Cryptococcus neoformans*”
- 12.15-12.45 **Michelle Kilcoyne**, *Galway, Ireland*
 “Host interactions and modulation of *Staphylococcus aureus* and *Acinetobacter baumannii* biofilm polysaccharide”
- 12.45-14.15 **Lunch**
- 14.15-14.45 **Julie Dunne, Paula Bourke**, *Dublin, Ireland*
 “A preliminary investigation into the stability of glycosides towards treatment by atmospheric cold plasma”
- 14.45-15.00 **Conor Crawford**, *Dublin, Ireland*
 “Synthesis of capsular polysaccharide fragments of the fungal pathogen *Cryptococcus neoformans* and their potential applications as fret probes”

- 15.00-15.15 **Janelle Sauvageau**, *Ottawa, Canada*
"Heptose phosphates to "kick" and "kill" HIV"
- 15.15-15.30 **Marc Botcherby**, *Shelford Scientific, United Kingdom*
"Microarray applications for Glycobiology"

15.30-17.00 **Poster Session & Coffee**

19.00-20.30 **Guided Tour of Malahide Castle**

20.30 **Banquet Dinner**

Wednesday

8.30 - 9.00 **Registration**

- 9.00-10.00 **Robert J. Woods**, *Athens, USA*
"Defining the 3D-structure and antigenicity of pathogenic polysaccharides"
- 10.00-10.30 **Miguel A. Valvano**, *Belfast, United Kingdom*
"Elucidating a conserved protein glycosylation pathway in the *Burkholderia* genus"
- 10.30-10.45 **Marcelina Pyclik**, *Wroclaw, Poland*
"Differentiated impact of *Bifidobacterium* strains and their components on selected cell lines"
- 10.45-11.15 **Coffee**
- 11.15-11.45 **Stefanie Barbirz**, *Potsdam, Germany*
"Host interactions of O-antigen specific bacteriophages: linking tailspike glycan recognition to particle opening"
- 11.45-12.15 **Mikael Skurnik**, *Helsinki, Finland*
"Studies on bacteriophage-LPS interactions"
- 12.15-12.30 **Laura Beswick**, *Keele, United Kingdom*
"Mimetic sugar nucleotides to probe a strategic bacterial dehydrogenase enzyme"
- 12.30-12.45 **Vikramjit Sarkar**, *Galway, Ireland*
"Synthesis of different oligosaccharides for potential vaccine design"

12.45-13.00 **Closing remarks**

13.00-14.00 **Lunch**