Wednesday | 4th September		
17h00-17h15	Welcome Address	Paul Parren
SESSION 1	**Antibodies in Close-up**	
17h15-18h05	*Deconstructing polyclonal antibody responses at the molecular level using cryoEM* ***(Keynote Lecture)***	Andrew Ward
18h05-18h15	Keynote Questions	
18h15-18h45	*A mechanistic model of IgG oligomerization and complement activation*	Johannes Preiner
18h45-18h55	Panel Discussion	
18h55	**End of Day 1**	
19h00-21h00	**Welcome Cocktail**	

THE ANTIBODY SERIES 2024

Scientific Program

Thursday | 5th September		
SESSION 2	**Antibody Ensembles**	
08h55-09h00	Opening	Paul Parren
09h00-09h50	*Understanding the Human Serological Antibody Repertoire* ***(Keynote Lecture)***	George Georgiou
09h50-10h00	Keynote Questions	
10h00-10h45	**Coffee-break**	
10h45-11h15	*Using cryo-electron tomography to study the activation of complement by elevated IgG3 hexameric platforms on liposomal surfaces*	Leoni Abendstein
11h15-11h45	*Antibody Architectures and Interfaces: Nature's Guide to Biotherapeutic Engineering*	Matthew Romei
11h45-12h00	Panel Discussion	
EXTRA SESSION	**Sponsors Lectures**	
12h00-12h15	*An integrated bioinformatics platform for antibody discovery: Advancing data-driven decision making for therapeutic candidate selection*	PipeBio Jannick Bendtsen
12h15-12h30	*Unleashing the Power of Automation for High Throughput Antibody Synthesis*	Thermo Fisher Claudia Chiocchini
12h30-12h40	Session Questions	
12h40-14h15	**Lunch**	
SESSION 3	**Protection**	
14h15-14h20	Opening	Paul Parren
14h20-14h50	*How antibodies protect against viruses*	Dennis Burton
14h50-15h20	*mRNA-based delivery of engineered antibodies to combat SARS-CoV-2*	Laura Walker
15h20-15h35	Panel Discussion	
15h35-16h05	**Coffee-break**	
SESSION 4	**Computation and Design**	
16h05-16h10	Opening	Paul Parren
16h10-16h40	*An ecosystem of tools for computational antibody design, including the second-generation Therapeutic Antibody Profiler*	Matthew Raybould
16h40-17h10	*Artificial Intelligence tools for antibody engineering*	Jeffrey Gray
17h10-17h40	*Computational epitope filtering of antibody repertoires enables reliable design of agonist antibodies to multimeric receptor complexes*	Alex Lugovskoy
17h40-18h00	Panel Discussion	
18h00	**End of Day 2**	
19h30-00h00	**Gala Dinner**	

Friday | 6th September		
SESSION 5	**New Targets and Technologies**	
09h00-09h05	Opening	Paul Parren
09h05-09h35	*Creating and targeting synthetic neoepitopes on cancer cells*	Christoph Rader
09h35-10h05	*Click-to-Release: on-target activation and off-target deactivation of antibody-based therapies*	Marc Robillard
10h05-10h15	Panel Discussion	
10h15-11h00	**Coffee-break**	
11h00-11h30	*Targeting FcRn for the therapy of autoimmune disease*	Sally Ward
11h30-12h00	*Engineering Immunotoxins and CAR-T Cells for Cancer Therapy Using Nanobodies*	Mitchell Ho
12h00-12h30	*The Transport Vehicle: Engineering the Fc and Utilizing the Brain Vasculature to Deliver CNS Therapeutics*	Joy Zuchero
12h30-12h45	Panel Discussion	
12h45-13h00	**Closing Ceremony**	
13h00-14h00	**Lunch and Farewell**	

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