



2025

30th  
**INTERNATIONAL  
COMPLEMENT  
WORKSHOP**

September 14-19, 2025

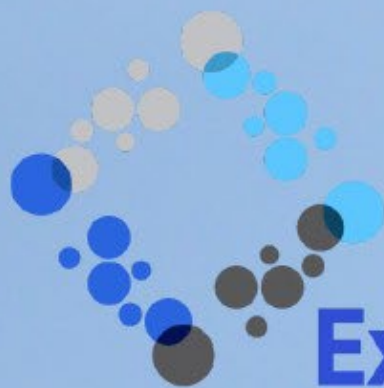


*Queensland*  
AUSTRALIA

**brisbane**  
australia

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# Exsera BioLabs

[www.ExseraBioLabs.org](http://www.ExseraBioLabs.org)

*"We specialize in complement testing to translate  
discovery into development"*

## Exsera is Proud to Sponsor the International Complement Workshop

**Stop by our Table to:**

- **Learn more about our expertise and commitment to quality complement testing**
- **Discover our variety of complement tests available for any phase of clinical development**



University of Colorado  
Anschutz Medical Campus

## Welcome to the 30<sup>th</sup> International Complement Workshop (ICW2025)

There's nowhere else on earth like Australia. Rich in spirit, diversity, and dramatic landscapes, Australia is the world's smallest continent yet largest island. With over 60,000 years of Indigenous heritage and a vibrant, forward-looking population, Australia is a multicultural and inclusive nation with a dynamic future.

Brisbane, the capital of sunny Queensland and Australia's third-largest city, offers a world-class convention centre in Southbank nestled along the Brisbane river within a friendly, vibrant, and walkable urban landscape. As the host to the 2032 Olympics, Brisbane blends a laidback lifestyle with modern metropolitan energy, an ideal setting for both scientific exchange and memorable experiences.

This year, the International Complement Society (ICS) is proud to host the ICW in Australia for the first time. Our organizing committee is thrilled to present a scientific program that highlights the latest advancements in complement biology, including:

- Mechanisms of complement activation and regulation
- Breakthroughs in complement structure and function
- Novel complement-related diseases and therapeutic targets
- Innovations in complement assays and biomarkers
- Complement-targeted drugs in preclinical models and in the clinic

We begin the meeting on Sunday 14<sup>th</sup> September, at The University of Queensland (UQ), with teaching lectures and interactive workshops designed to deepen your understanding of complement science. Following this, we invite you to join us for the Welcome Reception (also at UQ), which offers a relaxed opportunity to reconnect with colleagues, while enjoying close-up encounters with some of Australia's iconic wildlife. We then open the main program on Monday 15<sup>th</sup> September, at the Brisbane Convention and Exhibition Centre, located in the heart of the Southbank precinct. Our 5-day scientific program includes keynote lectures by world-leading researchers, expert-led thematic sessions, alongside presentations from our ICS Award winners.

Beyond the science, our social program invites you to discover Brisbane's warm spring climate and hospitality. From our wildlife tour featuring iconic marsupials like kangaroos and koalas, to the *Welcome Reception*, *Gala Dinner*, and other networking events, there are many opportunities to connect with colleagues and experience the best of Australia.

We are extremely grateful for our sponsors for the meeting: our Gold sponsor, SVAR. Session sponsor, CSL Behring. Exhibitors: Hycult Biotech, Compvide, Quidel Ortho, Exsera BioLabs. Remote sponsors: Amyndas, Sobi, Complement Technology, Eleva, and Argenx. We are also incredibly grateful for the support from Novartis, Alexion Pharmaceuticals and Tourism and



Events Queensland, Brisbane Economic Development Agency, Elsevier Immunobiology, Pangburn Foundation, and The University of Queensland, for making this event possible.

We warmly welcome you to ICW2025. We hope you enjoy both the excellent complement science and the unique flora and fauna on offer, right here 'Down-Under' in Brisbane, Australia.

Warmest wishes,

**Prof. Trent Woodruff**

ICW Conference Chair, on behalf of the Local Organizing Committee

**Prof Anna Blom**

ICS President-elect, on behalf of the International Complement Society



## General information

### Onsite registration hours:

#### **The University of Queensland, St Lucia:**

Sunday 14 September 2025: 08.30 – 19.00

#### **Brisbane Convention and Exhibition Centre, Southbank:**

Address: Merivale St, South Brisbane QLD 4101, Australia

Monday 15 September 2025: 08.00 – 16.00

Tuesday 16 September 2025: 08.30 – 18.00

Wednesday 17 September 2025: 08.30 – 10.00

Thursday 18 September 2025: 08.00 – 16.00

Friday 19 September 2025: 08.00 – 13.15

### **Poster Presenters**

Poster session 1: Poster setup is Tuesday 16 September from 08.30 am

Poster session 1: Poster removal is Wednesday 17 September before 09.00 am

Poster session 2: Poster setup is Wednesday 17 September from 10.30 am

Poster session 2: Poster removal is Thursday 18 September before 17.45 pm

**Exhibition setup:** Sunday September 14 from 21.00 – 24.00 and/or Monday September 15 from 07.00 – 08.00.

**Exhibition dismantling:** Friday September 19 after 10.40 (after the morning break)

## Social program

### Welcome reception

- Date and time:** 14 September, 17:00 – 19:00
- Venue:** University of Queensland, Location: Advanced Engineering Building (Bldg. 49), St Lucia, QLD 4072 Brisbane
- Transportation:** The M2 runs every 15 min. and takes 12 min. from Southbank (either Cultural Centre or South bank bus stops). It is a very easy 5 min. walk across a nice lake path from the UQ bus stop to the AE Building.
- Price:** Included
- 

### ECR Pub Quiz Night

- Date and time:** 16 September, 19:00 – 22:00
- Venue:** The Charming Squire, 3/133 Grey Street, South Brisbane QLD 4101
- Transportation:** The Charming Squire is right next door to the Convention centre.
- Price:** Included for ECRs that have registered to attend.  
Note: This event is SOLD OUT.

If anyone can no longer attend, they should let us know. Those who haven't registered but are interested can join the waitlist.

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### Social Tour to Lone Pine Koala Sanctuary

- Date and time:** 17 September, 13:15-17:30
- Transportation:** By bus. The last bus leaves at 13:30 sharp
- Price:** Included
- 

### Gala Dinner

- Date and time:** 18 September, 18:30
- Venue:** Emporium Hotel South Bank, 267 Grey St, South Brisbane QLD 4101
- Transportation:** Walking distance from venue
- Price:** AUD \$150 per person. Spouses are welcome



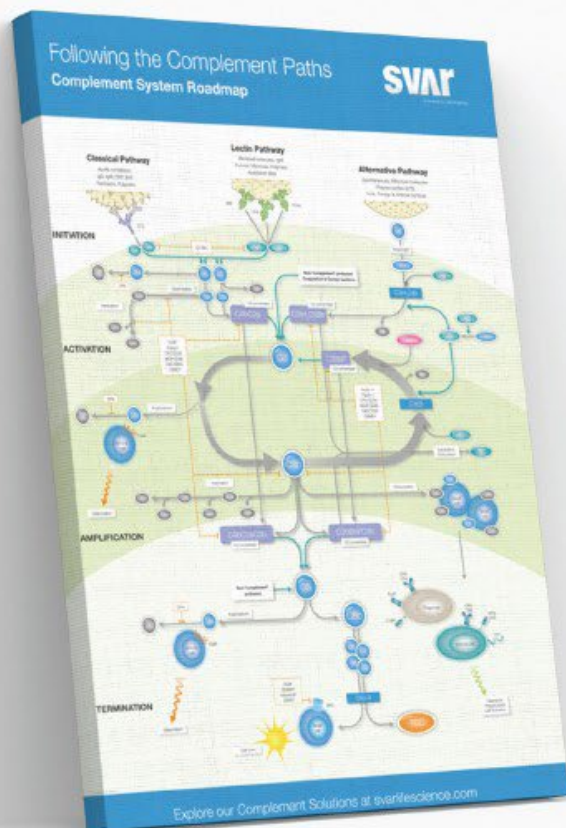


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High specificity with streamlined protocols
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### LET US GUIDE YOU ON THE COMPLEMENT PATH!

We harness years of experience and deep specialist knowledge in the complement field, enabling us to meet your needs in research, drug development, and clinical assessment.

Scan QR-code to get your free Complement System poster!



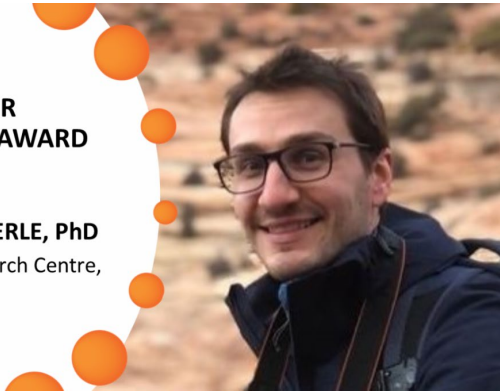


## ICW 2025 Awardees

### EARLY CAREER EXCELLENCE AWARD

**NICOLAS S. MERLE, PhD**

Cordeliers Research Centre,  
INSERM  
France



### LAMBRIS COMPLEMENT TRAINING AWARD

**MARCO MANNES, PhD**

University Hospital of Ulm  
Germany



### HANS MÜLLER- EBERHARD AWARD

**ANDREA TENNER, PhD**

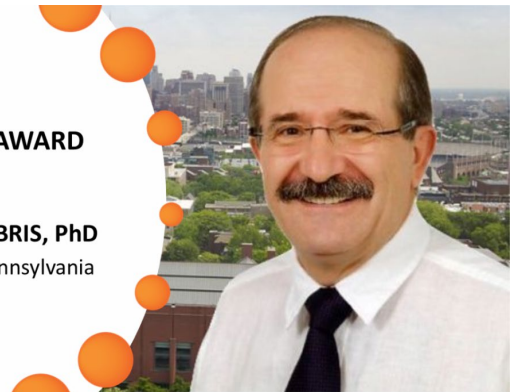
University of California, Irvine  
USA



### ICS LEGACY AWARD

**JOHN D. LAMBRIS, PhD**

University of Pennsylvania  
USA



## Special thanks to our ICW 2025 Sponsors

### Gold Sponsor



Answers in Life Science

### Exhibitors



### Remote Sponsors



### Session Sponsor



### Support by



### State Host destination



**Sunday 14 September 2025 - Teaching Day & Welcome Reception**  
**(The University of Queensland, St Lucia)**

<b>Time</b>	<b>Item</b>	<b>Speaker</b>
<b>08:30 - 09:30</b>	Arrive at The University of Queensland, St Lucia (ADVANCED ENGINEERING BUILDING)	<i>Registration desk open</i>
<b>08:30 - 09:30</b>	<b>Coffee/Breakfast snacks</b>	
<b>09:30 - 09:45</b>	Welcome and Introduction.	<i>Barbara Rolfe + Trent Woodruff</i>
<b>09:45 - 10:15</b>	An introduction to the complement system - activation and regulation	<i>Claire Harris</i>
<b>10:15 - 10:45</b>	Towards a better understanding of the cell autonomous functions of complement	<i>Claudia Kemper</i>
<b>10:45 - 11:15</b>	Where and how to therapeutically target complement	<i>Daniel Ricklin</i>
<b>11:15 - 11:45</b>	Complement at the interface of barriers: roles in immune protection and disease	<i>Hrish Kulkarni</i>
<b>11:45 - 12:15</b>	Complement in human disease: approved drugs and new therapeutic applications	<i>Peter Garred</i>
<b>12:15 - 13:30</b>	<b>Lunch</b>	
<b>12:45 - 13:30</b>	ECCO meeting (all ECRs + Students welcome)	
	<b>Tutorial rotations (enrolled attendees)</b>	
<b>13:30 - 14:45</b>	Room: 316A - Essential Complement Methodologies I (molecular methods)	<i>Anna Blom + Leendert Trouw</i>
<b>13:30 - 14:45</b>	Room: 301 - Essential Complement Methodologies II (in/ex vivo and clinical testing)	<i>Ashley Fraser-Abel + Tom Mollnes</i>
<b>13:30 - 14:45</b>	Room: 313A - Complement genetics and the complotype	<i>Richard Smith + Hector Merinero</i>
<b>13:30 - 14:45</b>	Room: 601 - Complement and cancer	<i>Brahm Segal + Lubka Roumenina</i>
<b>13:30 - 14:45</b>	Room: 316 - Complement and neurological disease	<i>Paul Morgan + John Lee</i>
<b>14:45 - 15:15</b>	Coffee and snacks	
<b>15:15 - 16:30</b>	Repeat Sessions	<i>Same as above</i>
<b>16:30 - 17:00</b>	Complement Around the World	<i>ECCO</i>
	<b>Welcome reception with Wildlife encounter (all welcome)</b>	
<b>17:00 - 19:00</b>	<b>Drinks and Canapés</b>	
<b>17:30 - 17:45</b>	ICS President-elect and ICW Chair welcome	



**Monday 15 September 2025**  
**(Brisbane Convention and Exhibition Centre, Southbank)**

Time	Item	Speaker
08:00 - 08:30	Registration	
08:30 - 08:50	Meeting Opening - Acknowledgment of Country - Thank sponsors	<i>Trent Woodruff</i>
08:50 - 09:40	Keynote speaker	<i>Arun Shukla (Chair: Gregers Andersen)</i>
09:40 - 10:10	<b>Morning coffee break</b>	
10:10 - 11:25	<b>Session 1 – Structures informing complement function</b>	<i>Michelle Dunstone + Richard Clark</i>
	Three cryo-EM structures of the complement C3d-complement receptor 3 complex reveal a novel layer of dynamics and the signaling mechanism underlying iC3b dependent phagocytosis	<i>Gregers Andersen</i>
	Structural insights into how the membrane attack complex is recognised by the diagnostic antibody aE11	<i>Bill Ho</i>
	Insights into potentiation of Factor H function by the Pneumococcal surface protein C (PspC): the structure of Factor H domains 8-14 in complex with PspC	<i>Jannik Sichau</i>
	Molecular basis of naturally-encoded signaling-bias at the complement anaphylatoxin receptor, C5aR1	<i>Annu Dalal</i>
	Live-cell single-molecule imaging of a new fluorescent C5a receptor antagonist reveals the heterogeneous spatiotemporal dynamics of C5aR1 at the plasma membrane	<i>Pranesh Padmanabhan</i>
11:25 - 12:40	<b>Session 2 – Mechanisms of complement activation and control</b>	<i>Mihály Józsi + Zoltán Prohászka</i>
	Characterization of disease-associated FHR-5 variants for their ligand binding and complement modulating capacity	<i>Mihály Józsi</i>
	FHR2 Binds to HUVE Necrotic Cell and Renal Glomerular Basal Membrane, Inhibiting TCC Deposition and Exhibiting Cofactor Activity.	<i>Emma Diletta Stea</i>
	Analysis of Human Factor H-Related Gene and Protein Expression in Rheumatoid Arthritis Synovium Identifies a Novel Mechanism Promoting Dysregulated Complement Pathway Activation	<i>Nirmal Banda</i>
	Convergent patterns of protein binding promiscuity of complement proteins and immunoglobulins	<i>Jordan Dimitrov</i>

	The conversion of native C3 to C3(H2O) is contact-driven facilitated by neutrophil extracellular traps	<i>Sanjaya Sahu</i>
<b>12:40 - 14:00</b>	<b>Lunch</b>	
<b>14:00 - 15:30</b>	<b><i>Session 3 – Complement and infection</i></b>	<i>Christian Karsten + Jill Carr</i>
	Complement C9-Mediated RBC Hemolysis Drives Microvascular Obstruction via Endothelial Necroptosis and Hemolyzed RBC Aggregation in COVID-19	<i>Mike Wu</i>
	CD46 directly engages Sp1 to control gene transcription and HIV expression in human CD4+ T cells	<i>Parul Singh</i>
	C5aR1 but not C5aR2 signaling promotes fungal clearance in the lung and host survival during systemic infection with <i>Cryptococcus neoformans</i>	<i>Meiqing Shi</i>
	A Novel Complement-Based Drug Candidate Against Fungal Infections With Promising Results in a Murine Model of Invasive Pulmonary Aspergillosis	<i>Verena Harpf</i>
	The complement system is activated and regulated differently during infection with the orthoflaviviruses, dengue and zika virus	<i>Jill Carr</i>
	Infection Risk in Pediatric Complement Inhibition: Insights from a Single-Center Experience	<i>Sara Graciaa</i>
<b>15:30 - 16:00</b>	<b>Afternoon coffee and snacks</b>	
<b>16:00 - 16:05</b>	Svar Award Intro	<i>Chair: Christoph Schmidt</i>
<b>16:05 - 16:25</b>	Svar Winner #1	<i>To be announced</i>
<b>16:25 - 16:45</b>	Svar Winner #2	<i>To be announced</i>
<b>16:45 - 18:00</b>	<b><i>Session 4 – Complement in kidney disease</i></b>	<i>Carl Atkinson + Kevin Marchbank</i>
	HDM-FH treatment during static cold storage protects against ischaemic injury in a simulated kidney transplant model.	<i>Kevin Marchbank</i>
	Macrophage-Derived Complement Factor H Restrains Kidney Inflammation and Fibrosis in Immune Complex-Mediated Disease.	<i>Jessy Alexander</i>
	Spatial transcriptomics maps complement-driven cell-to-cell interactions during acute kidney injury	<i>Vikram Sabapathy</i>
	Complement 5a receptor 2 attenuates diabetic kidney disease by promoting mitochondria-associated endoplasmic reticulum membrane formation mediated by PSS-MFN2 interaction	<i>Yiyang Zhao</i>
	Cell-intrinsic complement C3 and FB promote acute kidney injury	<i>Lubka Roumenina</i>
	Complement C3 and Complement Factor H affect glomerular IgA deposition in IgA Nephropathy	<i>Li Zhu</i>
<b>19:00 - 22:00</b>	<b>LOC Invited Speakers Dinner</b>	

**Tuesday 16 September 2025**  
**(Brisbane Convention and Exhibition Centre, Southbank)**

Time	Item	Speaker
08:00 - 08:30	Registration	
08:30 - 09:10	Keynote speaker	Kate Schroder (Chair: Barbara Rolfe)
09:10 - 10:10	<b>Session 5 – Complement in cell metabolism and metabolic disease</b>	<i>Hrishikesh Kulkarni + Melinda Coughlan</i>
	Opposing effects of animal models of Type 1 and type 2 diabetes on factor D expression and systemic alternative pathway activity	<i>Ben King</i>
	Beta-Cell Intrinsic C3 Regulates Pancreatic Islet Responses to Metabolic Stress in vivo	<i>Vaishnavi Dandavate</i>
	Metabolic changes in the retinal pigment epithelium of patients with complement factor H haploinsufficiency	<i>Rayne Lim</i>
	The C3-C3aR axis modulates trained immunity in alveolar macrophages	<i>Hrishikesh Kulkarni</i>
10:10 - 10:40	<b>Morning coffee and snacks</b>	
10:40 - 10:50	Hans-Muller-Eberhard Award Introduction	<i>Chair: Claudia Kemper</i>
10:50 - 11:30	HME Plenary Lecture	<i>Andrea Tenner</i>
11:30 - 12:15	<b>Session 6 – Complement in cancer</b>	<i>Silvia Guglietta + Ruben Pio</i>
	Targeting complement anaphylatoxin C3a receptor to break immunotherapy resistance in colorectal cancer	<i>Silvia Guglietta</i>
	Cell-autonomous complement C3 activity in prostate epithelial cells suppresses malignant transformation through tonic restrain of the MYC-tumorigenesis program	<i>Natalia Kunz</i>
	Complement signaling as a T-cell checkpoint in the tumor microenvironment	<i>ANM Nazmul Khan</i>
12:15 - 12:25	ICS Mentorship Program Introduction	<i>Anna Blom</i>
12:25 - 12:30	GROUP PHOTO	<i>Meet in foyer</i>
12:30 - 14:15	<b>Mentor Session Meet-Up / Lunchtime</b>	
14:15 - 15:30	<b>Session 7 – Cell autonomous and intracellular complement</b>	<i>Berhane Ghebrehiwet + Jack Reddaway</i>
	Transcriptional cross-talk regulates complement C3 expression during CD4 <sup>+</sup> T-cell activation	<i>Jorge-Luis Trujillo-Ochoa</i>
	The role of intracellular and cell-autonomous C3 in NF-κB priming in human macrophages	<i>Charlotte Årseth</i>
	Mucosal Complement Factor B Production by Intestinal Epithelium is Required in Homeostasis and Response to Injury	<i>Devesha Kulkarni</i>
	GC B cell autonomous complement activation rewires cell metabolism associated with delayed class switching and altered GC dynamics	<i>Philip Einwohlt</i>



	Compstatins abolish pathogenic fibroblast function associated with inflammatory maladaptation of tissues	<i>Markus H Hoffmann</i>
<b>15:30 - 16:00</b>	<b><i>Rapid Fire Session ONE (12 talks) 2 slides, 2 min per speaker</i></b>	<i>Chair: Matt Hardy (CSL)</i>
	Structural basis of complement C3 recognition by both convertases	<i>Changhao Jia</i>
	Targeted binding and activation of native C3 without proteolytic cleavage induced by flip/flopped cell membranes	<i>David Eikrem</i>
	Reconstitution of a fully functional recombinant membrane attack complex for molecular biology studies	<i>Bill Ho</i>
	A conserved molecular mechanism orchestrates diverse ligand recognition at the complement anaphylatoxin receptor C3aR	<i>Sudha Mishra</i>
	MicroRNA sequencing of plasma exosomes reveals complement dysregulation in COVID-19	<i>Anthony Shadid</i>
	Profiling complement dysregulation in frontotemporal dementia using cerebrospinal fluid, plasma, and exosomes.	<i>Lewis M Watkins</i>
	Isoform-Specific Detection and Quantification of Complement C4A via Novel mAbs	<i>Bettina Eide Holm</i>
	Novel Quantitative ELISA Reveals Dynamics of Pro-Factor D Conversion During Alternative Complement Pathway Activation	<i>Tereza Alica Plchová</i>
	C5 inhibition by mAbs: There's many ways to skin a cat!	<i>Rebekah S Cooke</i>
	The toxin CyaA from Bordetella pertussis as a potential modulator of Complement receptor 3 (CR3) function	<i>Marie Jachmann</i>
	Distinct sites of complement activation and regulation in the tumor microenvironment	<i>Joanne van Keulen</i>
	New roles of intracellular C3 in triggering immune responses	<i>Katarzyna Kuska</i>
<b>16:00 - 18:00</b>	Poster Session ONE + Afternoon Coffee	
<b>19:00 - 22:00</b>	<b>ECR Pub Quiz</b>	

**Wednesday 17 September 2025**  
**(Brisbane Convention and Exhibition Centre, Southbank)**

Time	Item	Speaker
<b>08:30 - 09:00</b>	Registration	
<b>09:00 - 09:40</b>	Keynote speaker (Remote presentation)	<i>Beth Stevens (Chair: John Lee)</i>
<b>09:40 - 10:00</b>	<b>Morning coffee and snacks</b>	
<b>10:00 - 11:00</b>	<b><i>Session 8 – Novel and non-canonical roles for Complement</i></b>	<i>Lubka Roumenina + Ben King</i>
	Novel Metabolic Role of the Complement Activator MASP-2 in Regulating Pancreatic $\beta$ -Cell Function	<i>Peter Garred</i>
	Novel Functions of CD59 Isoforms Iris-1 and Iris-2 in Insulin-Producing Pancreatic $\beta$ -Cells	<i>Thu-Ha Tran</i>
	Hypothalamic C3aR Activation by Astrocyte-Derived Complement C3a Drives Obesity and Cardiometabolic Dysfunction	<i>Carolyn Gragoll</i>
	Complement Membrane Attack Complex Alters the Proliferation of Neural Progenitor Cells During Late Embryonic Murine Neurogenesis.	<i>Austin Read</i>
<b>11:00 - 12:15</b>	<b><i>Session 9 – Complement in disease</i></b>	<i>Joerg Koehl + Jessy Alexander</i>
	The Alzheimer's disease-associated complement receptor 1 variant CR1*2 enhances glial phagocytosis of relevant targets and impacts neuroinflammation	<i>Nikoleta Daskoulidou</i>
	Charting the Path of Dendritic Cell Subsets in Allergic Asthma Using C5aR1 Fate Mapping Mice	<i>Mareike Ohms</i>
	C5aR2 Fuels Autoimmune Skin Disease in Murine Epidermolysis Bullosa Acquisita	<i>Jovan Schanzenbacher</i>
	Deep neutrophil phenotyping unveils the impact of complement activation in sickle cell pathophysiology	<i>Satheesh Chonat</i>
	Mice lacking MASP-1 and/or MASP-3 are protected from the development of retinal degeneration in a murine model of NaIO <sub>3</sub> -induced dry age-related macular degeneration (AMD)	<i>Hideharu Sekine</i>
<b>12:15 - 12:25</b>	Gold Sponsor presentation (SVAR)	<i>Hannes Brehm</i>
<b>12:25 - 13:15</b>	<b>Lunch</b>	
<b>13:15 - 17:30</b>	<b>Social Tour to Lone Pine Koala Sanctuary</b>	<i>Last bus leaves at 13:30</i>

Thursday 18 September 2025

(Brisbane Convention and Exhibition Centre, Southbank)

Time	Item	Speaker
08:00 - 08:30	Registration	
08:30 - 09:20	Keynote speaker	<i>Daniel Reich (Chair: Marc Ruitenberg)</i>
09:20 - 10:20	<b>Session 10 – Complement in neurodegenerative disease preclinical models</b>	<i>Valeria Ramaglia + Paul Morgan</i>
	Microglial Complement C5aR1 signalling drives inflammasome mediated neuropathology in Parkinson's disease	<i>Eduardo Albornoz</i>
	Brain-penetrant anti-C7 therapy reduces neurodegeneration and microgliosis in an Alzheimer's mouse model	<i>Jack Reddaway</i>
	Divergent Effects of Early Adult Microglial versus Global C1q Deletion on Amyloid Pathology and Synaptic Engulfment in an Alzheimer's Disease Mouse Model	<i>Tiffany Petrisko</i>
	A multi-omic pipeline identifies complement as a driver of age-dependent progression in a model of multiple sclerosis	<i>Valeria Ramaglia</i>
10:20 - 10:50	<b>Morning coffee and snacks</b>	
10:50 - 11:00	Legacy Award Introduction	<i>Chair: Daniel Ricklin</i>
11:00 - 11:40	ICS Legacy Plenary Lecture	<i>John Lambris</i>
11:45 - 13:00	<b>Session 11 – Complement biomarkers, diagnostics and therapeutics</b>	<i>Masashi Mizuno + Elena Goicoechea de Jorge</i>
	The Power of Fusion: Tuning Pharmacokinetic and Pharmacodynamic Properties of Complement-Modulating Peptides and Proteins Via Antibody Engineering	<i>Florian Meyer</i>
	Complement activation during the early postpartum period in healthy pregnant women.	<i>Norimitsu Inoue</i>
	Comprehensive functional analyses of 110 complement Factor B variants provide novel diagnostic and structural insights	<i>Hector Martin Merinero</i>
	Baseline and Longitudinal Associations between serum C3/C4 levels, tissue complement biomarkers, and IgA Nephropathy in South Asians.	<i>Neetu Prince</i>
	Rapid Complement Inhibition with the C5 Inhibitor Crovalimab: Timing Analysis Using Animal Model and COMPOSER Trial Data	<i>Bradley P. Dixon</i>
13:00 - 14:30	<b>Lunch</b>	
14:30 - 15:00	<b>Rapid Fire Session TWO (12 talks) 2 slides, 2 min per speaker</b>	<i>Chair: Jessy Alexander</i>
	Senescent erythrocytes as a trigger of complement activation and implications for	<i>Sümeyye Erdemci-Evin</i>



	breakthrough haemolysis in Paroxysmal Nocturnal Haemoglobinuria patients	
	Distinct associations of the lectin pathway proteins MASP-2, MASP-3, and MAP-1 with clinical and serological profiles in Systemic Lupus Erythematosus	<i>Linnea Lindelöf</i>
	The enigmatic role of C5aR2 in diabetic kidney disease	<i>Inez Trambas</i>
	Complement C3a receptor signalling mitigates motor neuron degeneration by modulating neurotoxic astrocytes	<i>Alana R. Julianisya</i>
	Mapping inhibitory epitopes on C7 with monoclonal antibodies	<i>William MacIntosh-Smith</i>
	A detrimental role for complement C5aR1 activation in Huntington's disease	<i>Jianina Marallag</i>
	Pregnancy complications in C5aR2-deficient mice are caused by an altered uterine immune cell network	<i>Katja Kähler</i>
	Exploring the Role of the Terminal Complement Pathway in the DSS-Induced Colitis Model of Inflammatory Bowel Disease	<i>Cedric Cui</i>
	Complement C5aR1 Modulates Excitatory Synaptic Transmission in Cortical Pyramidal Neurons via a Calcium-Independent Mechanism	<i>Sandra Parker</i>
	Neutrophil Plasticity in Epidermolysis Bullosa Acquisita: Bridging Innate and Adaptive Immunity via C5aR2 Signaling	<i>Dennis Niese</i>
	Exploring the role of intracellular C3 in activation of the NLRP3 inflammasome in human macrophages	<i>Stine Kristensen</i>
	The role of C3 in steatotic liver disease	<i>Adrian Iliescu</i>
<b>15:00 - 17:00</b>	Poster Session TWO	
<b>15:30 - 16:00</b>	<b>Coffee and snacks</b>	
<b>18:30 - 24:00</b>	<b>Gala Dinner – Emporium Hotel</b>	

## Friday 19 September 2025

### (Brisbane Convention and Exhibition Centre, Southbank)

Time	Item	Speaker
<b>08:30 – 09:00</b>	Registration	
<b>09:00 - 10:00</b>	<b><i>Session 12 – Complement in the clinic</i></b>	<i>Mike Holers + Veronique Fremeaux-Bacchi</i>
	PTargeted Treatment With Pegcetacoplan for Adolescents With C3G or Primary (Idiopathic) IC-MPGN in the VALIANT Phase 3 Trial	<i>Carla M Nester</i>
	Effects of Complement C3/C3b Inhibition on Control of Malignant Effusions and Neutrophil Phenotypes in Patients with Recurrent Epithelial Ovarian Cancer: Interim Analysis of a Phase 2 Clinical Trial	<i>Brahm Segal</i>
	Complement Biomarker Responses to Factor B and C3 Inhibition in C3 Glomerulopathy	<i>Yuzhou Zhang</i>
	AON-D21 – Complement C5a-Neutralizing Human/Mouse Cross-Reactive L-aptamer from Bench to Phase 2 Clinical Trial	<i>Axel Vater</i>
<b>10:00 - 10:30</b>	<b>Morning coffee and snacks (30 min)</b>	
<b>10:30 - 10:40</b>	Lambris and ICS Award: Introduction to awardees	<i>Chair: Ashley Frazer-Abel</i>
<b>10:40 - 11:00</b>	Lambris Award	<i>Marco Mannes</i>
<b>11:00 - 11:20</b>	ICS Early-Career Award	<i>Nicolas Merle</i>
<b>11:20 - 12:20</b>	<b><i>Session 13 – Novel approaches to control complement activation</i></b>	<i>Leendert Trouw + Wioleta Zelek</i>
	Complement regulation in genetically modified pig endothelial cells under xenogeneic and inflammatory conditions	<i>Mitra Gultom</i>
	Inhibition of the complement component C5 and the Toll-like receptor molecule CD14 prevents systemic and local kidney inflammation in mice experiencing brain death.	<i>Tom Eirik Mollnes</i>
	CSL040 ameliorates primary graft dysfunction in pre-clinical models of lung transplantation	<i>Carl Atkinson</i>
	Mechanism of action of bi-specific antibodies recruiting endogenous complement inhibitors for targeted local complement inhibition in the context of rheumatoid arthritis	<i>Leendert Trouw</i>
<b>12:20 - 12:35</b>	Announcement – EMCHD 2026	
<b>12:35 - 12:50</b>	Announcement – ICW2027	
<b>12:50 - 13:00</b>	Meeting Close and Sponsor thanks	<i>Trent Woodruff</i>
<b>13:00 - 14:00</b>	<b>Lunch and Goodbyes</b>	

## Poster session 1

Submission Id	Poster number	Primary Topic	Presenting	Title
6	P-001	Complement and infection (including COVID-19)	Yi-Pin Lin	The vector-pathogen anti-complement evolution dictates host skin immunomodulation for multimodal Lyme disease bacterial transmission
7	P-002	Complement and infection (including COVID-19)	Katarzyna Kuska	New roles of intracellular C3 in triggering immune responses
18	P-004	Complement and infection (including COVID-19)	Tahsin Ahamed Khan	Complement evasion strategies of <i>Candida glabrata</i> clinical isolates and antibody independent binding of C1q to <i>C. glabrata</i>
40	P-005	Complement and infection (including COVID-19)	Eija Nissilae	Complement activation and immune responses induced by Nuvaxovid and ChAdOx1 vaccines against Covid-19
88	P-006	Complement and infection (including COVID-19)	Anthony Shadid	MicroRNA sequencing of plasma exosomes reveals complement dysregulation in COVID-19
106	P-007	Complement and infection (including COVID-19)	Kristian Riesbeck	Molecular epidemiology and comparative virulence patterns of <i>Acinetobacter baumannii</i> isolates from war-related injuries in Ukraine
112	P-009	Complement and infection (including COVID-19)	Lilith Heiland	Evasion of Complement and Amyloid-Beta by the Neurotropic Pathogen <i>Borrelia burgdorferi</i> in Human 3D Cultures
114	P-010	Complement and infection (including COVID-19)	Kristian Riesbeck	Major outer membrane protein P5 of non-typeable <i>Haemophilus influenzae</i> interacts with human vitronectin and contributes to serum resistance
127	P-012	Complement and infection (including COVID-19)	Peter Szachowicz	Complement expression determines disease severity in mouse models of SARS-CoV-2 and influenza pneumonia



Submission Id	Poster number	Primary Topic	Presenting	Title
141	P-014	Complement and infection (including COVID-19)	Panisadee Avirutnan	Epitope-Dependent Complement Activation and ADCC by Anti-NS1 Antibodies in Targeting Infected Cells: Implications for Dengue Vaccine Design
157	P-016	Complement and infection (including COVID-19)	JOHN JOHNSON	Host Cell Origin Drives Divergent Complement Neutralization Mechanisms of Chandipura Virus
9	P-017	Complement assays and biomarkers	Frank Beurskens	Characterization of antibody Fc:Fc interactions by a VHH blocking technology
47	P-019	Complement assays and biomarkers	Nicole Meyer	Complement Factor I Functional Assay for Assessing CFI Variants
56	P-020	Complement assays and biomarkers	Naia Vad Stampe	Development and Evaluation of Alternative Pathway Factor B Neoantigen Assay Using Novel Monoclonal Antibodies
60	P-021	Complement assays and biomarkers	Bettina Eide Holm	Isoform-Specific Detection and Quantification of Complement C4A via Novel mAbs
62	P-022	Complement assays and biomarkers	Lewis M Watkins	Profiling complement dysregulation in frontotemporal dementia using cerebrospinal fluid, plasma, and exosomes.
63	P-023	Complement assays and biomarkers	Robert AJ Byrne	Novel anti-clusterin monoclonals as tools for characterising clusterin expression in biofluids and tissues
65	P-024	Complement assays and biomarkers	Gareth D. Fenn	Development of a novel dual fluorescent ELISA (FELISA) for the simultaneous quantification of C3 and C3a in biological fluids.
66	P-025	Complement assays and biomarkers	Vinira Wijesuriya	Cerebrospinal fluid complement system biomarkers in Alzheimer's disease.
84	P-026	Complement assays and biomarkers	Bill Ho	Reconstitution of a fully functional recombinant membrane attack complex for molecular biology studies

Submission Id	Poster number	Primary Topic	Presenting	Title
108	P-027	Complement assays and biomarkers	Laura Nicholls	C3 and C3a as Indicators of Complement Dysregulation in Tauopathies and FTLD-Associated Disorders.
129	P-028	Complement assays and biomarkers	Samuel Butler	A Novel Tool for Complement Activation Profiling in AAV Gene Therapy
130	P-029	Complement assays and biomarkers	Michael Schwenkert	Advanced Assay Platform for Antibody Development: Precision Assays for ADCC, ADCP, and CDC
151	P-031	Complement assays and biomarkers	Kirsten L Baillie	Novel antibodies and assays to ascertain the role of C4 protein variants in Schizophrenia risk
28	P-033	Complement pathways, activation and regulation	Joanne van Keulen	Distinct sites of complement activation and regulation in the tumor microenvironment
29	P-034	Complement pathways, activation and regulation	Cobey Donelson	Integration of Structural Modeling and CADD Scores Improve Variant Classification for CFH SCRs 5-18
33	P-035	Complement pathways, activation and regulation	Masashi Mizuno	Comparison of complement activation products and eosinophils between bicarbonate-based and lactate-based peritoneal dialysis (PD) solutions in PD patients during introduction periods.
39	P-037	Complement pathways, activation and regulation	Jean-Baptiste Reiser	The Fc fragment of soluble IgMs binds C1q to activate the first step of the classical complement pathway, while inhibiting complement-dependent cytotoxicity
55	P-038	Complement pathways, activation and regulation	Boglár Gál	A Novel Immunoassay Platform to Study the Dynamics of the Alternative Pathway
59	P-039	Complement pathways, activation and regulation	Tereza Alica Plchová	Novel Quantitative ELISA Reveals Dynamics of Pro-Factor D Conversion During Alternative Complement Pathway Activation

Submission Id	Poster number	Primary Topic	Presenting	Title
61	P-040	Complement pathways, activation and regulation	Michael Rückert	High-dose radiotherapy modulates the expression and secretion of complement (regulatory) proteins by tumor cells
76	P-041	Complement pathways, activation and regulation	Peter Zipfel	The Four Functional Segments of Factor H:Role in Physiological Target Recognition and Contribution to Disease
86	P-042	Complement pathways, activation and regulation	Devesha Kulkarni	MUCOSAL COMPLEMENT FACTOR B PRODUCTION BY INTESTINAL EPITHELIUM IS REQUIRED IN HOMEOSTASIS AND RESPONSE TO INJURY.The Four Functional Segments of Factor H:Role in Physiological Target Recognition and Contribution to Disease
93	P-043	Complement pathways, activation and regulation	Joshua Dent	Design and development of potent and selective C5aR2 agonists
94	P-044	Complement pathways, activation and regulation	Marina Vygonskaya	ROLE OF COMPLEMENT COMPONENTS 3A (C3A) AND 5A (C5A) IN THE ACUTE-TO-CHRONIC PAIN TRANSITION IN A MOUSE MODEL OF NEUROPATHIC PAIN.
123	P-045	Complement pathways, activation and regulation	Linnea Lindelöf	Ficolin-3 Recognizes Acylated and Carbamylated Lysine Residues and Activates Complement in a pH-Dependent Manner
125	P-046	Complement pathways, activation and regulation	Roland Ebert	Update on protein array screening of the ficolin-3 interactome
131	P-047	Complement pathways, activation and regulation	Mihály Józsi	The Tumor- and Apoptosis-Associated Annexin A2 is a New Ligand for FHL-1 and Factor H-Related Proteins – Annexin-Bound FHR-5 Enhances Alternative Pathway Activation
134	P-048	Complement pathways,	Mihály Józsi	The human complement factor H-related protein FHR-2 enhances complement activation on host and bacterial ligands

Submission Id	Poster number	Primary Topic	Presenting	Title
		activation and regulation		
152	P-051	Complement pathways, activation and regulation	Per H. Nilsson	Complement C3 inhibition mitigates complement activation in clinical platelet concentrates without preventing platelet storage lesions
154	P-052	Complement pathways, activation and regulation	Anas Abu-Humaidan	Differential Complement Responses in Radiation-vs. Chemotherapy-Induced Senescence
155	P-053	Complement pathways, activation and regulation	Steffen Thiel	Something about the at least 50 different complexes of the initiating molecules of the lectin pathway and the polyreactivity of the pattern recognition molecules.
43	P-057	Complement structure and function	Marie Jachmann	The toxin CyaA from Bordetella pertussis as a potential modulator of Complement receptor 3 (CR3) function
50	P-058	Complement structure and function	Rebekah S Cooke	C5 inhibition by mAbs: There's many ways to skin a cat!
53	P-059	Complement structure and function	Sudha Mishra	A conserved molecular mechanism orchestrates diverse ligand recognition at the complement anaphylatoxin receptor C3aR
75	P-060	Complement structure and function	Jubayer Rahman	A CD4+ T cell-intrinsic complement C5aR2-prostacyclin-IL-1R2 axis orchestrates Th1 contraction and is perturbed in Th1-driven disease states
122	P-063	Complement structure and function	Juliane Klehr	Impact of the A09/A15 epitope on structural assembly and function of C1q in the light of Systemic Lupus Erythematosus
140	P-065	Complement structure and function	David Eikrem	Targeted binding and activation of native C3 without proteolytic cleavage induced by flip/flopped cell membranes

Submission Id	Poster number	Primary Topic	Presenting	Title
142	P-066	Complement structure and function	Changhao Jia	Structural basis of complement C3 recognition by both convertases
166	P-167	Diagnostics and monitoring	Sadam Yaseen	CIMED: A High-Serum Concentration Diagnostic Platform for Complement Pathway Activity and Drug Response Monitoring in Patients
167	P-168	Diagnostics and monitoring	Tam Cung	Point-of-Care Assessment of sC5b-9: A Reliable Quantitative Tool for Rapid Detection of Complement Activation



## Poster session 2

Submission Id	Poster number	Primary Topic	Presenting	Title
2	P-069	Complement therapeutics	Sarah Hammadi	Utilising induced pluripotent stem cells (iPSCs) to model the outer retina for complementInvestigating the roles of FHR1 in modulating complement responses on glomerular endothelial cellsnt gene therapy delivery
8	P-070	Complement therapeutics	Paulina Dabrowska-Schlepp	Moss-produced complement factor H (CPV-104) as a therapeutic regulator in complement-mediated diseases.
19	P-073	Complement therapeutics	Matthew Hardy	Pre-clinical characterization of CSL040, a soluble complement receptor 1 (CR1) fragment
30	P-077	Complement therapeutics	Kevin Budding	Characterization and efficacy of a C2-blocking antibody in a rat kidney transplant model
34	P-078	Complement therapeutics	Cedric Cui	Exploring the Role of the Terminal Complement Pathway in the DSS-Induced Colitis Model of Inflammatory Bowel Disease
37	P-079	Complement therapeutics	Ruben Pio	Targeting C5a/C5aR1-mediated NETosis restores immunotherapy response in STK11-mutant lung cancer
54	P-082	Complement therapeutics	Richard Clark	Development of novel peptide ligands with improved selectivity and pharmacological properties for complement system receptors.
57	P-083	Complement therapeutics	Kevin Marchbank	AAV-mHDM-FH: Safety and expression profile in two murine models of hyper-complement activation
71	P-084	Complement therapeutics	Jenny Fung	Targeting C5a Inflammation in ALS: Ex Vivo Findings from PMX205 Phase Ib Trial

Submission Id	Poster number	Primary Topic	Presenting	Title
92	P-087	Complement therapeutics	William MacIntosh-Smith	Mapping inhibitory epitopes on C7 with monoclonal antibodies
99	P-088	Complement therapeutics	Inez Trambas	The enigmatic role of C5aR2 in diabetic kidney disease
102	P-089	Complement therapeutics	Yuzhihan Cao	Motor neuron disease C9orf72 dipeptides mediate neurotoxicity in human brain organoids through activation of C5aR1
103	P-090	Complement therapeutics	Vitalijs Ovcinnikovs	Exploring the rules for classical complement pathway activation by antibody pairs with co-dependent oligomerization
158	P-095	Complement therapeutics	A. Inkeri Lokki	Eculizumab in severe HELLP syndrome – a case report
12	P-096	Complement therapeutics	Sora Suzuki	Tumor-derived Factor B Drives Tumor Growth and anti-PD-1 resistance in STK11-mutant Lung Adenocarcinoma
3	P-098	Complement-related diseases	Jillian Hall	Renal Pathology as a Predictor of Complement Dysregulation in C3 Glomerulopathy
24	P-100	Complement-related diseases	Angela Nelson	Age-Dependent Plasma Factor D Levels and Their Clinical Implications in Complement-Mediated Kidney Diseases
27	P-102	Complement-related diseases	Stefan Sonderegger	The Complement C3a Receptor Regulates the Tumour Microenvironment
44	P-104	Complement-related diseases	Zoltán Prohászka	Different patterns of complement activation markers are present in acute and chronic adult primary ITP patients
46	P-105	Complement-related diseases	Mari Humalajoki	Characterization of inherited C3 deficiency – a patient case
48	P-106	Complement-related diseases	Christopher Culek	Antibodies in the Healthy Population Influence Convertase Formation
64	P-108	Complement-related diseases	Adrian Iliescu	The role of C3 in steatotic liver disease

Submission Id	Poster number	Primary Topic	Presenting	Title
73	P-110	Complement-related diseases	Veronique Fremeaux-Bacchi	A new screening approach to identify autoantibodies dysregulating the C3bBb convertase in C3 glomerulopathy and immunoglobulin-mediated membranoproliferative glomerulonephritis
77	P-112	Complement-related diseases	Sang Won Cheung	Doxycycline inhibits MMP-9 and inactivates microglia to reduce PNN breakdown and preserve motor neurons in SOD1(G93A) mice.
78	P-113	Complement-related diseases	TAKASHI ODA	Analysis of circulating immune complexes in serum of patients with ANCA-associated glomerulonephritis
87	P-114	Complement-related diseases	EMMA DILETTA STEA	Beyond Systemic Complement Dysregulation: The Active Contribution of Renal Cells to Complement Dysregulation in C3 Glomerulopathy
89	P-115	Complement-related diseases	Kok Yung Lee	Complement is dysregulated in Huntington's disease in mouse and man.
107	P-117	Complement-related diseases	Sai Yarlagadda	Modulation of Complement-Mediated Inflammation in the mdx Mouse Model of Duchenne Muscular Dystrophy by PK007
115	P-119	Complement-related diseases	Cecelia Fierce	Assessing C3 Nephritic Factor Function Using Luminex-Based Formation and Stabilization Assays
116	P-120	Complement-related diseases	Carla M Nester	VALIANT: Randomized, multicenter, double-blind, placebo-controlled, phase 3 trial of pegcetacoplan for patients with native or post-transplant recurrent C3G or primary (idiopathic) IC-MPGN
124	P-122	Complement-related diseases	Linnea Lindelöf	Distinct associations of the lectin pathway proteins MASP-2, MASP-3, and MAP-1 with clinical and serological profiles in Systemic Lupus Erythematosus

Submission Id	Poster number	Primary Topic	Presenting	Title
137	P-124	Complement-related diseases	Kameron Kruger and Anna Carmen	The Complement Biomarker Signature of Iptacopan, Pegcetacoplan and Eculizumab in C3 Glomerulopathy
138	P-125	Complement-related diseases	Sydney S Jellison and Stephanie Cook	Detecting FH-Anti-FH Immune Complexes in MGRS-C3G
144	P-127	Complement-related diseases	Sümeyye Erdemci-Evin	Senescent erythrocytes as a trigger of complement activation and implications for breakthrough haemolysis in Paroxysmal Nocturnal Haemoglobinuria patients
145	P-128	Complement-related diseases	Kathryn Hok	Single-cell Transcriptomic Changes in Mouse Hearts during Collagen-Induced Arthritic Inflammation
153	P-131	Complement-related diseases	Meng Tan	The evaluation of clinical scoring system in complement mediated-TMA patients
159	P-132	Complement-related diseases	A. Inkeri Lokki	Genetic C4 deficiency in lower extremity peripheral arterial disease
32	P-135	Non-canonical functions of complement	Sandra Parker	Complement C5aR1 Modulates Excitatory Synaptic Transmission in Cortical Pyramidal Neurons via a Calcium-Independent Mechanism
45	P-137	Non-canonical functions of complement	Katja Kähler	Pregnancy complications in C5aR2-deficient mice are caused by an altered uterine immune cell network
68	P-138	Non-canonical functions of complement	Natalia Kunz	A 'sweet spot' for complement receptor CD46 activity: CYT-1 regulates glycolytic and moonlighting functions of glycolytic enzymes during human CD4+ T cell activation
82	P-142	Non-canonical functions of complement	Stine Kristensen	Exploring the role of intracellular C3 in activation of the NLRP3 inflammasome in human macrophages

Submission Id	Poster number	Primary Topic	Presenting	Title
83	P-143	Non-canonical functions of complement	Dennis Niese	Neutrophil Plasticity in Epidermolysis Bullosa Acquisita: Bridging Innate and Adaptive Immunity via C5aR2 Signaling
101	P-145	Non-canonical functions of complement	Titaya Lerskiatiphanich	Investigating complement receptor C3aR1 signalling in metabolic dysfunction in the R6/1 mouse model of Huntington's Disease
104	P-146	Non-canonical functions of complement	Nicolas Merle	Peptide-mediated modulation of T cell-expressed complement-like CD109boosts T cell anti-tumor responses
132	P-150	Non-canonical functions of complement	Véronique Rossi	HMGB1 cleavage by C1s modulates the pro-inflammatory signal induced by TLR2
160	P-151	Non-canonical functions of complement	Tilo Freiwald	Inflammatory cytokines drive local C3 transcription to regulate metabolic reprogramming in kidney epithelial cells and subsequent fibrosis
15	P-155	Preclinical models to study complement	Jannes Felsch	A Versatile Screening Platform to Guide Applications for the FH-Recruiting Peptide 5C6 on Non-Self Surfaces
95	P-160	Preclinical models to study complement	Grace Risby-Jones	Investigating the Role of Neuronally-expressed C5aR1 in Motor Neuron Disease
96	P-161	Preclinical models to study complement	Jianina Marallag	A detrimental role for complement C5aR1 activation in Huntington's disease
97	P-162	Preclinical models to study complement	Alana R. Julianisya	Complement C3a receptor signalling mitigates motor neuron degeneration by modulating neurotoxic astrocytes
98	P-163	Preclinical models to study complement	Melina Haritopoulou-Sinanidou	CD93: A New Complement-Linked Target for Immunomodulation and wound healing in SCI
164	P-165	Preclinical models to study complement	Haydn E. Rich	Effects of Cannabinoid receptor-1 Antagonist MRI-1867 on C5ar1 Signaling in



Submission Id	Poster number	Primary Topic	Presenting	Title
				Attenuating Lung Remodeling in Mice Induced with Experimental Arthritis
165	P-166	Preclinical models to study complement	David Eikrem	TiO2 nanoparticles act as an Alternative Pathway-specific C3 inhibitor
169	P-170	Complement-related diseases	Laura Lucientes Contiente	Classical and Lectin Pathway Activation in ANCA-Associated Vasculitis with Kidney Involvement: Prognostic Value and Comparison with Alternative Pathway Components
170	P-171	Complement-related diseases	Hormaz Dastoor	Rescue Therapy with Pegcetacoplan in a Patient with C3 Glomerulopathy: A Case Report
172	P-172	Complement therapeutics	Grigoriy Shekhtman	Safety, Tolerability, Pharmacokinetics and Pharmacodynamics of ARO-CFB, an Investigational RNAi Therapeutic Targeting Complement Factor B in Adult Healthy Volunteers