



Irish Society for Immunology



Leading the world
to better health



IRISH SOCIETY FOR IMMUNOLOGY ANNUAL MEETING

WHEN: 19TH & 20TH September 2019

WHERE: O' Flanagan Lecture Theatre, RCSI, Dublin

THURSDAY, 19TH SEPTEMBER 2019

08:00 – 09:00	Conference Registration		
09:00 - 09:15	Conference Open/Welcome: Ed Lavelle, Trinity College Dublin. President - Irish Society for Immunology. Annie Curtis, Royal College of Surgeons in Ireland.		
	SESSION 1: IMMUNOMODULATION AND METABOLISM Chair and Co-Chair: Claire McCoy (RCSI) & Richie Carroll (RCSI)		SESSION 2: HOST-PATHOGEN INTERACTIONS Chair and Co-Chair: Pat Walsh (TCD) & Shauna Quinn (TCD)
09:15 - 09:55	"Environment control of T cell function" Doreen Cantrell <i>University of Dundee, Scotland.</i>	14:00 - 14:40	"Tolerance tuning via GPCR-sensing of bacterial-derived metabolites." Liam O'Mahony <i>APC, University of Cork, Ireland.</i>
09:55 - 10:10	S001: "Training of hematopoietic stem cells by helminth products induces long-term trained immunity that protects against autoimmune disease." Kyle Cunningham <i>Trinity College Dublin, Ireland.</i>	14:40 - 14:55	S005: "Complexity of pleural cavity macrophages during filarial nematode infection." Conor Finlay <i>University of Manchester, UK.</i>
10:10 - 10:25	S002: "Nutritional restrictions of Dendritic cells promote effector T cell functions via cytokine signalling." Diana Moreira <i>Trinity College Dublin, Ireland.</i>	14:55 - 15:10	S006: "The Mal-Interferon-gamma receptor axis is a key modulator of inflammation and susceptibility during pneumococcal disease." Natalia Munoz-Wolf <i>Trinity College Dublin, Ireland.</i>
10:25 - 10:55	TEA/COFFEE, POSTERS AND TRADE EXHIBITIONS	15:10 - 15:40	TEA/COFFEE, POSTERS AND TRADE EXHIBITIONS
10:55 - 11:35	"Dendritic cells beyond antigen presentation." David Sancho <i>CNIC, Madrid, Spain.</i>	15:40 - 15:55	S007: "Friend retrovirus infection induces the development of memory-like natural killer cells." Elisabeth Littwitz-Salomon <i>University of Essen, Germany & Trinity College Dublin, Ireland.</i>
11:35 - 11:50	S003: "The core clock protein BMAL1 regulates antigen processing in dendritic cells by altering cellular calcium location to control mitochondrial morphology." Mariana Cervantes <i>Royal College of Surgeons in Ireland, Dublin, Ireland.</i>	15:55 - 16:10	S008: "Stimulation of Human V 2+ T cells by the HMBPP-negative Gram-positive Bacterium Staphylococcus aureus." Andrew Cooper <i>Trinity College Dublin, Ireland.</i>
11:50 - 12:05	S004: "Immune checkpoint blockade reverses obesity-associated defects in anti-tumour immunity." Lydia Dyck <i>Trinity College Dublin, Ireland.</i>	16:10 - 16:50	"Helminth infections, immune modulation and insulin resistance." Maria Yazdanbakhsh <i>LUMC, Leiden University Medical Centre, The Netherlands.</i>
12:05 - 13:00	Selected 3 min Flash Presentations Session I – PhD Students (FPI - 01 to FPI - 12) Chair: Kingston Mills <i>Trinity College Dublin, Ireland.</i>	17:00 - 19:00	POSTER SESSION, WINE RECEPTION & TRADE EXHIBITION. <i>Exam hall, Royal College of Surgeons In Ireland.</i>
13:00 - 14:00	Lunch, Posters and Trade Exhibition	19:00 - 22:00	BANQUET DINNER <i>College Hall, Royal College of Surgeons In Ireland.</i>
			FLASH TALKS – THURSDAY: Ross Ward, Alexander Hooftman, George A. Timmons, Harry Kane, Mimmi Lundahl, Michelle Kickham, Lucy Curham, Andrew O'Connor, Jenny M. Mannion, Gráinne Jameson, Aoife Keogh, Katharine A. Shanahan

FRIDAY, 20TH SEPTEMBER 2019

SESSION 3: CLINICAL AND TRANSLATIONAL IMMUNOLOGY

Chair and Co-Chair: Niall Conlon (St. James Hospital) & Melissa Conroy (TCD).

09:00 - 09:40 "How early can we predict development of RA?"
Ursula Fearon
Trinity College Dublin, Ireland.

09:40 - 10:20 "Joint perspectives: investigating synovial inflammation in rheumatoid and psoriatic arthritis."
Leonie Taams
Kings College London, UK.

10:20 - 10:35 **S009:** "CNA activation can improve immune responses to ALUM and other potential vaccine adjuvants in neonates."
Kiva Brennan
National Children's Research Centre Crumlin & Trinity College Dublin, Ireland.

10:35 - 10:50 "Engineering adoptive T cell therapy to co-opt Fas ligand-mediated death signalling in solid tumors."
Kristen G. Anderson
Fred Hutchinson Cancer Research Centre, Seattle, USA.

10:50 - 11:20 TEA/COFFEE, POSTERS AND TRADE EXHIBITIONS

11:20 - 11:35 **S010:** "Epithelial HIF-1 /claudin-1 axis regulates barrier dysfunction in eosinophilic esophagitis."
Joanne Masterson
Maynooth University, Ireland.

11:35 - 12:15 "Integrative cancer immunology and immune contexture."
Jerome Galon
CRC, Paris, France.

12:15 - 13:15 **Selected 5 min Flash Presentations Session II – Post-Doctoral Researchers (FPII-01 to FPII-08)**
Aideen Ryan
National University of Ireland (NUIG), Galway, Ireland.

13:15 - 14:20 LUNCH, POSTERS AND TRADE EXHIBITION

SESSION 4: IMMUNE SIGNALLING

Chair and Co-Chair: Paul Moynagh (Maynooth University) & Jen Dowling (RCSI).

14:20 - 15:00 "How genetic risk variants of age-related macular degeneration promote the pathogenic accumulation of mononuclear phagocytes."
Florian Sennlaub
Vision Institute, Paris, France.

15:00 - 15:15 **S011:** "Negative regulation of caspase-11 by Prostaglandin E2: a role for caspase-11 in asthma."
Zbigniew Zaslona
Trinity College Dublin, Ireland.

15:15 - 15:30 **S012:** "SARM regulates IL-1 production yet contributes to pyroptosis following AIM2 inflammasome activation."
Michael Carty
Trinity College Dublin, Ireland.

15:30 - 16:00 TEA/COFFEE, POSTERS AND TRADE EXHIBITIONS

16:00 - 16:40 "TLR signalling rewires macrophage metabolism to licence inflammatory responses."
Eicke Latz MD
University of Bonn, Germany.

16:40 - 17:20 "Engineering new therapies at the interface of coagulation and immunity."
Roger Preston
Royal College of Surgeons in Ireland, Dublin, Ireland.

17:20 - 17:30 **Award of Presentation Prizes**

17:30 **Close of Conference**

FLASH TALKS – FRIDAY:

Roisin M Loftus, Craig McEntee, Marah C. Runtsch, James O. Early, Stefano Angiari, Kate Mc Quaid, Aoife M. McGinley, Marcin Baran

