



ISI Meeting 2018 - Programme

Thursday, 30th and Friday, 31st August 2018

Tercentenary Hall, Trinity Biomedical Sciences Institute, Trinity College Dublin

Thursday, 30th August 2018

08:00 – 08:50 Conference Registration

08:50 – 09:00 Conference Open/Welcome: **Prof. Ed Lavelle, Trinity College Dublin**
President, Irish Society for Immunology

SESSION I: IMMUNE SIGNALLING

Chair: Prof Padraic Fallon, Trinity College Dublin

09:00 – 09:40 *Pellino E3 ubiquitin ligases and their emerging roles in innate immunity*
Prof. Paul Moynagh
Maynooth University, Ireland

09:40 – 10:20 *Alternative macrophage activation*
Prof. Judith Allen
University of Manchester, U.K.

10:20 – 11:00 Tea/Coffee, Posters and Trade Exhibitions

11:00 – 11:15 *S01: Activation of PPAR α / δ pathway contributes to Natural Killer cell functional and metabolic defects in obesity.*
Rosin Loftus
Trinity College Dublin, Ireland

11:15 – 11:30 *S02: Breaking innate immunosuppression in cancer via GADD45b inhibition.*
Jason Bennett
Imperial College London, U.K.

11:30 – 11:45 *S03: Arginase-2 is essential for mitochondria-associated functions in M2-polarised macrophages.*
Jennifer Dowling
Royal College of Surgeons in Ireland

11:45 – 12:00	<p><i>S04: Activation of the cGAS-STING pathway by chitosan requires the engagement of Dectin-1.</i></p> <p>Joanna Turley Trinity College Dublin, Ireland</p>
12:00 – 12:50	<p>Selected 3 min Flash Presentations Session I (FP01 – FP10)</p> <p>Chair: Dr. Derek Doherty Trinity College Dublin</p>
12:50 – 13:45	Lunch, Posters and Trade Exhibitions
<p>SESSION II: CLINICAL AND TRANSLATIONAL IMMUNOLOGY</p> <p><i>Chair: Prof Denise Fitzgerald, Queens University Belfast</i></p>	
13:45 – 14:25	<p><i>Viruses and Fibrosis – a classical translational medicine tale</i></p> <p><u>Prof. Seamas Donnelly</u> Trinity College Dublin, Ireland</p>
14:25 – 15:05	<p><i>Unique challenges for immunotherapy in the obese cancer patient</i></p> <p><u>Dr. Joanne Lysaght</u> Trinity College Dublin, Ireland</p>
15:05 – 15:20	<p><i>S05: Targeting cellular metabolism in CD4-stimulated synovial fibroblasts reduces inflammation and joint degradation in rheumatoid arthritis.</i></p> <p>Andreea Petrasca Trinity College Dublin, Ireland</p>
15:20 – 15:35	<p><i>S06: Obesity reduces mTORC1 activity in MAIT cells, driving defective metabolic and functional responses.</i></p> <p>Andy Hogan Maynooth University, Ireland</p>
15:35 – 15:50	<p><i>S07: Impact of different metabolic requirements on the $\gamma\delta$ T cells subsets function.</i></p> <p>Mathilde Raverdeau Trinity College Dublin, Ireland</p>
15:50 – 16:15	Tea/Coffee, Posters and Trade Exhibitions
16:15 – 16:55	<p><i>Genomics of long non-coding RNA in innate immunity</i></p> <p><u>Prof. Muredach Reilly</u> Columbia University, NY, USA</p>
17:00 – 19:00	Posters, Wine Reception and Trade Exhibitions
19:00 – 23:00	Banquet Dinner – Ely Brasserie

Friday, 31st August 2018

SESSION III: INNATE IMMUNITY

Chair: Dr Siobhán McClean, University College Dublin

09:00 – 09:40	<i>NK cells in cancer</i> <u>Prof. Angela Santoni</u> Sapienza University of Rome, Rome, Italy
09:40 – 10:20	<i>Skin: immunity, reaction and vaccination by omics analysis</i> <u>Dr. Béhazine Combadiere</u> INSERM, Paris, France
10:20 – 10:45	Tea/Coffee, Posters and Trade Exhibitions
10:45 – 11:25	<i>Regulation of innate immune-mediated tissue damage in tuberculosis</i> <u>Prof. Jon Friedland</u> Imperial College London, U.K.
11:25 – 11:40	<i>S08: A memorable encounter: Characterising the innate training potential of the vaccine adjuvant alum.</i> Aoife Gorman Trinity College Dublin, Ireland
11:40 – 11:55	<i>S09: The cytotoxic activity of natural killer cells is suppressed by IL-10+ regulatory T cells during acute retroviral infection.</i> Elisabeth Littwitz-Salomon Trinity College Dublin, Ireland
11:55 – 12:10	<i>S10: Those mitochondria have got rhythms! Mitochondrial activity and antigen processing in dendritic cells is dependent on the molecular clock protein BMAL1.</i> Mariana Cervantes Royal College of Surgeons in Ireland
12:10 – 13:00	Selected 3 min Flash Presentations Session II (FP11 – FP20) Chair: Dr. Annie Curtis Royal College of Surgeons in Ireland
13:00 – 14:00	Lunch, Posters and Trade Exhibitions
SESSION IV: IMMUNOMODULATION	
<i>Chair: Prof Paul Moynagh, Maynooth University</i>	
14:00 – 14:40	<i>Cooperation Between The IL-33 Receptor And Receptor Tyrosine Kinases Controls Immunological Effector Functions</i>

	<p><u>Prof. Thomas Kamradt</u></p> <p>Institute of Immunology, Jena University Hospital, Jena, Germany</p>
14:40 – 14:55	<p><i>S11: Helminth-derived exosomes promote type-2 immune responses and induce anti-inflammatory responses.</i></p> <p>Robert Walsh</p> <p>Trinity College Dublin, Ireland</p>
14:55 – 15:10	<p><i>S12: IL-36 signalling promotes colitogenic CD4+ T cell responses in the pathogenesis of IBD.</i></p> <p>Yasmina Hernandez-Santana</p> <p>National Children's Research Centre, Crumlin, Ireland</p>
15:10– 15:35	<p><i>Tea/Coffee, Posters and Trade Exhibitions</i></p>
15:35 – 16:15	<p><i>IL-17 from discovery to targeting</i></p> <p><u>Prof. Pierre Miossec</u></p> <p>Immunogenomics and inflammation research Unit, University of Lyon, France</p>
16:15 – 16:55	<p><i>The case for neoantigens as cancer therapeutic targets – a compelling case</i></p> <p><u>Prof. Jim Johnston</u></p> <p>A2 Biotherapeutics, California, U.S.A</p>
16:55 – 17:25	<p>Award of Presentation Prizes</p>
17:25	<p>Close of Conference</p>