



## ISI Meeting 2018 - Programme

Thursday, 30th and Friday, 31st August 2018

Tercentenary Hall, Trinity Biomedical Sciences Institute, Trinity College Dublin

Thursday, 30<sup>th</sup> 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

*Alternative macrophage activation*

**09:40 – 10:20** *Prof. Judith Allen*

University of Manchester, U.K.

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

*S01: Activation of PPAR $\alpha$ / $\delta$  pathway contributes to Natural Killer cell functional and metabolic defects in obesity.*

**11:00 – 11:15** *Rosin Loftus*

Trinity College Dublin, Ireland

*S02: Breaking innate immunosuppression in cancer via GADD45 $\beta$  inhibition.*

**11:15 – 11:30** *Jason Bennett*

Imperial College London, U.K.

*S03: Arginase-2 is essential for mitochondria-associated functions in M2-polarised macrophages.*

**11:30 – 11:45** *Jennifer Dowling*

Royal College of Surgeons in Ireland

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

**Friday, 31<sup>st</sup> August 2018**

**SESSION III: INNATE IMMUNITY**

*Chair: Dr Siobhán McClean, University College Dublin*

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

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