IRISH SOCIETY FOR IMMUNOLOGY
ANNUAL MEETING 2011

1st & 2nd September 2011,
Arts/Science Building
National University of Ireland,
Galway
Hello Everyone,

You are all very welcome to the Irish Society for Immunology Annual Conference 2011 at the National University of Ireland, Galway. The organizing committee has put together a great programme with speakers from the US, UK and Europe and of course many talented Irish Immunologists will also contribute. Overall we have a great mix of world-renowned Immunologists and young researchers who have been selected to give oral presentations and we have also lots of great posters so be sure and take the opportunity to chat to fellow Immunologists from all over the country!

We have many trade exhibitors present this year and their continued support of the society is greatly appreciated so please remember to pay them a visit.

We hope you enjoy the meeting!

Aideen Long (President ISI) and ISI committee.
The ISI would like to thank all their sponsors for their generous support of the ISI Meeting 2011.
We would like to encourage all delegates to participate in our “Passport Scheme” by visiting the trade stands throughout the meeting – please see overleaf for details of the PRIZES on offer!
THURSDAY, 1st SEPTEMBER

10.45 – 11.30  Registration, Trade Exhibition & Tea/Coffee
11.30 – 11.40  Conference Open/Welcome:
Dr Aideen Long (Trinity College, Dublin), President, Irish Society for Immunology.

SESSION 1:  VIRAL IMMUNOLOGY
Chair: Prof Kingston Mills

11.40 – 12.10  Dr Aideen Long
Institute of Molecular Medicine, Trinity College Dublin
“Hepatitis C virus targets the cell secretory machinery as a mechanism of immune evasion”

12.10 – 12.40  Dr Clair Gardiner
Trinity College Dublin
"A role for NK cells in HCV infection”

12.40 – 13.10  Prof Cliona O’Farrelly
Trinity College Dublin
“The Immune Response in Hepatitis C Virus Infection: what we have learned from the Irish Anti-D tragedy

13.10 – 14.00  Lunch, Posters and Trade Exhibition

SESSION 2:  INFECTION
Chairs: TBC

14.15 – 14.45  Dr Andrew MacDonald
University of Edinburgh
“The importance of dendritic cells during parasitic helminth infection”
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<tr>
<th>Time</th>
<th>Speaker</th>
<th>Affiliation</th>
<th>Title</th>
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<tr>
<td>14.45 – 15.15</td>
<td>Prof Peter Andersen</td>
<td>Statens Serum Institut, Denmark</td>
<td>“Expanding the T cell repertoire against M. tuberculosis through vaccination”</td>
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<td>15.15 – 15.30</td>
<td>Carola Murphy</td>
<td>UCC</td>
<td>The immunomodulatory drug FTY720 impairs immune subsequent clearance of the gut pathogen Citrobacter rodentium</td>
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<td>15.30 – 15.45</td>
<td>Shaun Spence</td>
<td>QUB</td>
<td>Suppressor of cytokine signalling (SOCS) 2 and 3 diametrically control macrophage polarisation</td>
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<td>15.45 – 16.15</td>
<td>Tea/coffee, Posters and Trade Exhibition</td>
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<td>16.15 – 16.30</td>
<td>Michael Freeley</td>
<td>TCD</td>
<td>L-plastin regulates F-actin localisation and polarisation in chemokine-stimulated human L-lymphocytes</td>
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<td>16.30 – 16.45</td>
<td>Shane Russell</td>
<td>TCD</td>
<td>Soluble IL-2Ra (sCD25) enhances the development of Th17 responses</td>
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<td>16.45 – 17.00</td>
<td>Evanna Mills</td>
<td>TCD</td>
<td>Osteoarthritis-associated basic calcium phosphate crystals induce IL-1β, IL-8 and S100A8 production in a tyrosine kinase dependent manner</td>
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<td>17.00 – 17.45</td>
<td>KEYNOTE LECTURE</td>
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<td>&quot;The Membrane Protein, FAP, Identifies a Tumoral Stromal Cell with Immune Suppressive Function.&quot;</td>
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<td>17.45 – 18.00</td>
<td>Opsona Therapeutics Sponsored Lecture</td>
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<td>Inhibition of TLR2 promotes graft function in a murine model of renal transplant ischaemia-reperfusion injury</td>
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<td>18.00 – 19.00</td>
<td>Poster Session, Wine Reception &amp; Trade Exhibition.</td>
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<td>19:30 - LATE</td>
<td>Banquet Dinner, Radisson Hotel, Galway</td>
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## SESSION 3: MUCOSAL IMMUNOLOGY

**Chairs: TBC**

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<tr>
<td>09.00 – 09.30</td>
<td>Prof Gordan Dougan</td>
<td>Sanger Institute, UK</td>
<td>Title to be confirmed</td>
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<tr>
<td>09.30 – 09.45</td>
<td>Monica Ambrose</td>
<td>UCC</td>
<td>MIR-146A expression is elevated in inflammatory bowel disease and negatively regulates IL-17A inflammatory response in intestinal epithelial cells</td>
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<td>09.45 – 10.00</td>
<td>Andrew Mori</td>
<td>TCD</td>
<td>NLRP3 activating chitosan adjuvant promotes proinflammatory Th17 and Th1 responses</td>
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<td>10.00 – 10.30</td>
<td>Prof Jay Kolls</td>
<td>Louisiana State University Health Sciences Center, USA</td>
<td>&quot;Why do we have Th17 cells?&quot;</td>
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10.30 -11.00 Tea/Coffee, Posters and Trade Exhibition

11.00 –12.30 Short Presentations from Selected Student Posters. (10 Students: 4 min talk + 2 min questions) **Chair: TBA.**


## SESSION 4: INNATE IMMUNITY

**Chairs: Dr Derek Doherty**

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<tr>
<td>13.30 – 14.00</td>
<td>Dr Matthias Eberl</td>
<td>Cardiff University</td>
<td>“Human gamma/delta T cells, monocytes and neutrophils: innate crosstalk in bacterial infection”</td>
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<td>14:00 – 14:15</td>
<td>Caroline Sutton</td>
<td>TCD</td>
<td>Innate IL-17-secreting Vγ4 subset of γδ T cells in the thymus</td>
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14.15 – 14.30  Joan Ni Gabhann  
RCSI  
*Defective IL-12/IL-18 production by BTK-deficient macrophages in responses to LPS results in impaired NK cell function*

14.30 – 14.45  Lindsay Hall  
UCC  
*NK cells regulate neutrophil function and are protective during intestinal inflammation*

14.45 – 15.15  Tea/coffee, Posters and Trade Exhibition

15.15 – 15.30  Vincent O’Reilly  
TCD  
*Distinct and overlapping effector functions of human CD4+, CD8α+ and CD4-CD8α- iNKT cells*

15.30 – 16.00  Prof Matt Griffin  
National University of Ireland, Galway  
"Mononuclear Phagocytes and T-cells in the Kidney During Health and Disease"

16.00– 16:30  PRIZES TO BE AWARDED

**Oral Presentation Prizes:**

Best oral presentation: €350 prize

Best oral presentation, runner-up: €200 prize

**Poster Presentation Prizes:**

Best poster presentation: €350 prize  
Sponsored by Opsona Therapeutics

Best poster presentation, runner-up: €200

Best student poster presentation: €250 prize  
*Sponsored by the Irish Society for Immunology*

Best student poster presentation, runner-up: €100

16:30  Close of Conference

16:30  IRISH SOCIETY FOR IMMUNOLOGY AGM