

4th Biology Research Day

12th of June 2015

Iontas Lecture Theatre and Foyer

9.15- 10.45 - Session 1: Immunology

Chair: Fiachra Humphries

Maud Sorel, (Plant Biochemistry Lab, EG)

'Involvement of the N-end rule pathway in the plant's response to pathogens'

***Susan Dunne**, (Cell Signalling Lab, MB)

'Exploring the regulation of IL-27 production'

***Dearbhlaith Larkin**, (Applied Proteomics Lab, JC)

*'Characterisation of the immune response of the buff-tailed bumblebee *Bombus terrestris*'*

***Helen Kennelly**, (Cellular Immunology Lab, KE)

'Human MSC exert cytoprotective effects against emphysema through production of trophic mediators in vivo'

***Jennifer Corbett**, (Cellular Immunology Lab, KE)

'Cyclosporine and IFN- γ Enhance the Immunosuppressive Capacity of Human Mesenchymal Stromal Cells'

***Fiona Carty**, (Cellular Immunology Lab, KE)

'Multipotent Adult Progenitor Cells suppress IL-7 driven stimulation of T cells in an in vivo model of homeostatic proliferation'

10.45-12.00 Coffee and Posters (poster presenters to stand by their posters)

12.00-13.00 - Session 2-part 1: Biotechnology and Biocontrol

Chair: Eoin Mulvihill

Péter Medgyesy, (Plant Cell Biology Lab, PD)

'Plastid DNA recombination: clashes of models'

***Kevin Goslin**, (Plant Biochemistry Lab, EC)

*'Analysis of LEAFY function during floral initiation in *Arabidopsis thaliana*'*

***Johan van Vlaenderen**, (Behavioural Ecology and Biocontrol, CG)

'From chemicals to naturally occurring control agents : entomopathogenic fungi to the rescue against the large pine weevil'

Lorraine McGill, (Applied Proteomics Lab, EG)

*'Investigating the molecular determinants of cold-acclimation and freezing-tolerance in the arctic nematode *Panagrolaimus superbus*'*

13.00- 13:45 Lunch

(poster presenters: please take your posters down after lunch)

13.45-14:30 - Session 2-part 2: Biotechnology and Biocontrol

***Nicola Moloney**, (Biotechnology Lab, SD)

'Exposing the Tactics of Aspergillus fumigatus in a Battlefield for Iron'

Eoin Mulvihill, (Biotechnology Lab, SD)

'Iron Deficiency Induces Significant Changes in the Mycelial and Microsomal Proteome of Aspergillus fumigatus'

***Stephen Dolan**, (Biotechnology Lab, SD)

'Combining reverse genetics and X-ray crystallography to elucidate the structure and function of a gliotoxin bis-thiomethyltransferase in Aspergillus fumigatus'

14.30-16:30 – Session 3: Biomedical Science

Chairs: Darren Martin and Niamh McCormack

Fiona Walsh (Antimicrobial Resistance and Microbiome Research Group)

'Antibiotic resistance & microbiome research'

***Therese Lynn**, (Epithelial Immunobiology Lab, SO'D)

'Bone Morphogenetic Protein Expression in descending porcine airways'

***Zita McCrea**, (Epithelial Immunobiology Lab, SO'D)

'Bio-Electrospraying: an innovative delivering method for MSC'

Niamh McCormack, (Host-Pathogen Interaction, MS)

'Demonstrating a collaborative role between DDX3 and IKKε in breast cancer relevant gene expression'

***Ronan Maguire**, (Medical Mycology Lab, KK)

'Evaluation of the potential of using Galleria larvae for measuring the relative toxicity of food preservatives'

Fiachra Humphries, (Molecular Immunology, PM)

'ECSIT: A heart breaking protein'

***Siobhan Leonard**, (Membrane Biology, JF)

'GPR21, A Novel Target for Type 2 Diabetes'

16:30 – 18:00 Coffee, Goodies and Prize Giving (Biosciences Foyer)

*: presentations by postgraduate students

All presentations are 12 minutes long (+3 min questions)



Prizes sponsored by Roche Diagnostics:

Best postdoc talk (100€) and runner-up (50€)

Best postgrad talk (100€) and two runner-ups (50€ each)

Best poster (100€) and runner-up (50€)

In addition, the Roche Gold Researcher of the Year medal will be awarded for the best overall talk.

Posters

1. Fiona Walsh (Antimicrobial Resistance and Microbiome Research Group)
2. Hmmer Abduladim,(Clinical Proteomics Lab, PD)*
3. Aine Adams, (Cellular Immunology Lab, KE)*
4. Amie Maher, (Medical Mycology Lab, KK)*
5. Betim Karahoda, (Fungal Genetics & Secondary Metabolism, OB)*
6. Bingwei Wang, (Molecular Immunology Lab, PM)
7. Carla Surlis, (Medical Mycology Lab, KK)*
8. Christopher Williams, (Behavioural Ecology and Biocontrol, CG)
9. Clare Finnegan, (Molecular Immunology Lab, PM)*
10. Darragh Cuskelly, (Yeast Genetics Lab, GJ)*
12. Elizabeth Smith, (Yeast Genetics Lab, GJ)*
13. Fred McMahon, (Medical Mycology, KK)*
14. Johana Isaza-Correa, (Molecular Immunology, PM)*
15. Kevin Sheridan, (Biotechnology Lab, SD)*
16. Lara Manzanares, (Biotechnology Lab, SD)*
17. Laura Cahill, (Cellular Immunology Lab, KE)*
18. Louise Mc Namara, (Behavioural Ecology and Biocontrol, CG)*
19. Mohamed Asaiyah,(Behavioural Ecology and Biocontrol, CG)*
20. Nadia Elramli, (Fungal Genetics & Secondary Metabolism, OB)*
21. Rose Waldron, (Biotechnology Lab, SD)*
22. Sandra Murphy, (Muscle Biology Lab, KO)*
23. Thi Thuy Do, (Antimicrobial Resistance and Microbiome Research Group, FW)
24. Siobhan O'Neill, (Medical Mycology Lab, KK)*
25. Steven Busschots, (Biotechnology Lab, SD)

Additional Abstracts (absent on the day)

26. Grainne O'Keeffe, (Biotechnology Lab, SD)
27. Linan Xu, (Yeast Genetics Lab, GJ)*
28. Özlem Sarikaya-Bayram,(Biotechnology Lab, SD)
29. Tiina Lynch, (Plant Cell Biology Lab, PD)*
30. Ashling Holland, (Muscle Biology Lab, KO)