

5th Biology Research Day

13th of June 2016

Science Lecture Theatre (SLT)

9.30- 11.15am - Session 1: Microbiology and Host-Pathogen Interaction (SLT)

Chair:

Emmanuelle Graciet, (Plant Biochemistry Lab)

'Regulation of plant/pathogen interactions by the N-end rule pathway'

***Michelle Kickham**, (Host-Pathogen Lab, MS)

'Targeting the human DEAD-box helicase DDX3 in HCV infection'

***Amie Maher**, (Medical Mycology Lab, KK)

'Development of novel therapies for the treatment of erythema associated with dermal rosacea'

***Anatte Margalit**, (Medical Mycology Lab, KK)

'Disruption of the Apoptotic Pathway in A549 cells following exposure to Aspergillus fumigatus conidia'

Sinead Murphy (Antimicrobial Resistance and Microbiome Group, FW)

'Multiple drug resistance identified from a soil microbiome using functional metagenomics'

Thi Thuy Do, (Antimicrobial Resistance and Microbiome Group, FW)

'Characterization of antibiotic resistant bacteria and detection of multi-drug resistance plasmids in wastewater treatment plant effluent in Ireland'

11:15--11.30 Coffee break

11:30-13.00 - Session 2: Fungal, Plant and Environmental Biology (SLT)

Chair: Fiona Walsh

***Kevin Sheridan** (Biotechnology Lab, SD)

'Ergothioneine Biosynthesis and Function in Aspergillus fumigatus'

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

'Exploiting the Secretory Struggle for Iron in Fungal Infection'

***Betim Karahoda** (Fungal genetics and Secondary Metabolism, OB)

'Role of histone demethylase KHHR complex in the control of fungal development and secondary metabolite production'

***Charley McCarthy** (Genome Evolution Lab, DF)

'Horizontal gene transfer from bacteria into the oomycetes'

***Robert Leigh** (Genome Evolution Lab, DF)

'The Fungal Mosaicome'

Péter Medgyesy, (Plant Cell Biology Lab, PD)

'Transfer of the fungal antioxidant ergothioneine into tobacco plants'

***Felipe Guapo**, (Applied Proteomics, JC)

'Label free mass spectrometry as a tool to assess the impact of sub lethal pesticide doses on the bee proteome'

13.00- 14:30 Lunch and Posters (COSTA coffee area, Phoenix building)

14:30-15:45 - Session 3: Biomedical Science (SLT)

Chair: Conor Breen

***Sandra Murphy**, (Muscle Biology, KO)

'The Roles of Myofibrosis and Astrogliosis in the Pathophysiology of Duchenne Muscular Dystrophy'

Ashling Holland, (Molecular Immunology, PM)

'Comparative proteomic analysis of ulcerative colitis related colorectal cancer in the Pellino2 mouse model'

***Aine Adams** (Cellular Immunology, KE)

'Anti-inflammatory effects of whey protein hydrolysates in human Peripheral blood mononuclear cells'

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

'IFN- γ stimulation enhances the efficacy and bio-distribution of Multipotent Adult Progenitor Cells in a humanised in vivo model of acute Graft versus Host Disease'

*** Josh Vitlip (Cellular Immunology, KE)**

'Soluble factors produced by activated multipotent adult progenitor cells protect pancreatic β -cells from apoptosis'

15:45 – 18:00 Drink Reception and Prize Giving (COSTA coffee area, Phoenix)

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

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

Prizes sponsored by Roche Diagnostics



*: presentations by postgraduate students

All presentations are 10 minutes long (+3 min questions)

Posters

1. Abduladim Hmmer,(Clinical Proteomics Lab, PD)*
2. Clare Finnegan, (Molecular Immunology Lab, PM)*
3. Dearbhlaith Larkin, (Applied Proteomics Lab, JC)*
4. Eoin O'Connor, (Genome Evolution Lab DF)*
5. Fathi Abukrees, ((Molecular Ecology Lab, CM)*`
6. Jennifer Corbett, (Cellular Immunology Lab, KE)
7. Johana Isaza-Correa, (Molecular Immunology Lab, PM)*
8. Jyotsna Pardeshi, (Host-Pathogen Interaction Lab, MS)*
9. Linan Xu, (Yeast Genetics Lab, GJ)*
10. Mevlut Ulas, (Fungal Genetics and Secondary Metabolism Lab, OB)*
11. Maud Sorel, (Plant Biochemistry Lab, EG)
12. Nadia Elramli, (Fungal Genetics & Secondary Metabolism Lab, OB)*
13. Niamh McCormack, (Host-Pathogen Interaction Lab, MS)
14. Paolo Tenti, (Molecular Immunology Lab, PM)*
15. Ronan Maguire, (Medical Mycology Lab, KK)*
16. Sarah Delaney, (Antimicrobial Resistance and Microbiome Research Group, FW)*
17. Rose Waldron, (Biotechnology Lab, SD)*
18. Elizabeth Smith (Yeast Genetics, GJ)*