



Irish Fungal Meeting June 16th and 17th 2011

Location: Joly Theatre, Hamilton Science Building, TCD

Thursday June 16th

Session 1: *Molecular biology of Fungi*

Session Chair: Ursula Bond

09:00-09:30 **Keynote: "Chromatin remodeling during yeast stationary phase: a model for cellular quiescence"**

Alastair Fleming, Department of Microbiology, Trinity College Dublin

09:30-09:50 Genomic and proteomic approaches implicate an EF1By elongation factor in protein synthesis and redox control in *Aspergillus fumigatus*.

Gráinne O' Keeffe, Christoph Jöchl, Kevin Kavanagh, Sean Doyle

National Institute for Cellular Biotechnology and Department of Biology, NUI Maynooth

09:50-10:10 Analysis of the hypoxic response in *Candida glabrata* and related species

Sixiang Sai, Sarah Maguire and Geraldine Butler

School of Biomolecular and Biomedical Science, Conway Institute, UCD

10:10-10:30 Assessing the role of Hsp70 in prion propagation

Naushaba Hasin, Sarah A. Cusack, Harriët M. Looovers, and Gary W. Jones

Department of Biology, NUI Maynooth

10:30-11:00 **Coffee break**

Session 2: *Fungal biotechnology*

Session Chair: John Morrissey

11:00-11:30 **Keynote: "The impact of fungal cell wall remodelling on antifungal therapies"**

Carol Munro, School of Medical Sciences, University of Aberdeen

11:30-12:00 **Keynote: "Gliotoxin biosynthesis in *Aspergillus fumigatus*: A case of small molecule syndrome?"**

Sean Doyle, Department of Biology, NUI Maynooth.

12:00-12:20 Sweet secrets from a proteomic investigation of the honey fungus *Armillaria mellea*.

Cassandra Collins, David Fitzpatrick, Thomas Keane, Dan Turner, Grainne O'Keeffe, Stephen Carberry and Sean Doyle

Department of Biology, NUI Maynooth & Wellcome Trust Genome Campus, Cambridge

12:20-12:40 Development and Validation of a High-throughput assay to screen for calcineurin inhibitors in yeast from marine sponge-associated microbes

Lekha Menon Margassery, Jonathan Kennedy, RuAngelie Edrada-Ebel, Fergal O'Gara, Alan Dobson and John Morrissey

Marine Biotechnology Centre & Department of Microbiology, UCC

12:40-13:00 Biomass to Biofuel- engineering yeast strains to degrade cellulose
William Kricka, Dr James Fiitzpatrick, Dr Trevor Hodgkinson, Dr Mike Jones, Dr. Ursula Bond
Department of Microbiology, TCD

13:00-14:00 **Lunch, Moyne Institute of Preventative Medicine**

Session 3: Poster session

14:00-15:30 Hamilton Building Foyer

Session 4: Irish Society of Clinical Microbiologists Symposium

Session Chair: Fidelma Fitzpatrick

15:30-16:00 **Keynote: "Susceptibility testing and detection of antifungal drug resistance"**

Maiken Arendrup, Statens Serum Institut, Denmark

16:00-16:15 Sporobolomyces roseus in the cerebrospinal fluid of an immunocompetent patient – to treat or not to treat?

Sinead McNicholas

Department of Clinical Microbiology, Royal College of Surgeons in Ireland

16:15-16:30 Aspergillus endocarditis following aortic valve replacement surgery – Challenges in diagnosis and treatment

Clíodhna Ni Bhuachalla, Corcoran G, Prentice M, Cryan B

Department of Microbiology, Cork University Hospital, Cork

16:30-16:45 Assessing the role of fungal blood culture bottles in the diagnosis of candida.

Helene McDermott

Department of Microbiology, Beaumont Hospital, Dublin

16:45-17:00 Candidaemias at University Hospitals Galway

Karina O'Connell & Ms Anne-Marie Tierney

Department of Microbiology, University Hospitals Galway

17:00-17:15 "Will no-one rid me of this turbulent yeast?"

Caroline Fielding

Department of Microbiology, University Hospitals Galway

17:15-17:30 **Discussion about the establishment of the Irish Fungal Society**

17:30-18:30 **Reception at the Science Gallery, TCD**

19:15-21:00 **Evening Meal at Fire Restaurant, Mansion House, Dawson Street.**

Friday June 17th

Session 5: Genomes and Proteomes

Session Chair: Derek Sullivan

09:00-09:30 **Keynote: “Candida biofilms and adaptation to hypoxia”**

Christophe D’Enfert, Institut Pasteur, Paris

09:30-09:50 Large-scale investigation of the *Aspergillus fumigatus* proteome and identification of novel immunoreactive antigens in mycelia.

Rebecca Owens, Michelle Moore and Sean Doyle
Department of Biology, NUI Maynooth

09:50-10:10 Genome sequence of *Candida orthopsilosis*

Alessandro Riccombeni, Geraldine Butler, Estelle Wéra and Ken Wolfe
Conway Institute UCD & Smurfit Institute of Genetics, TCD

10:10-10:30 Erosion and transposition of genes neighboring the *MAT* locus during yeast evolution
Ken Wolfe, Jonathan Gordon, David Armisen, Estelle Wéra, Seán ÓhEigeartaigh, Kevin Byrne

Smurfit Institute of Genetics, Trinity College Dublin

10:35-11:00 *Coffee break*

Session 6: Fungal infection (Chair John Moore)

Session Chair: John Moore

11:00-11:30 **Keynote: "Cryptococcal meningitis: Update in management and prevention in resource-limited settings"**

Tom Harrison, St George’s, University of London

11:30-12:00 **Keynote: "The management of invasive candidiasis - Where are the gaps and how can the new guidelines help us?"**

Chris Kibbler, Royal Free Hospital, London

12:00-12:20 Persistence of *Candida albicans*, gradual reduction in azole susceptibility, and incidences of clinical signs of candidiasis in the absence of microbiological evidence in an Irish population of patients with Autoimmune polyendocrinopathy ectodermal-candidiasis-dystrophy

B.A. McManus, E. McGovern, G. Moran, C. Healy, J. Nunn, D.J. Sullivan and D.C. Coleman
Dublin Dental University Hospital, Trinity College Dublin

12:20-12:40 Pathogenesis of *Trichoderma aggressivum*, agricultural pest of *Agaricus bisporus*

Matthew O’Brien, Dr. Helen Grogan, Dr. Kevin Kavanagh
Department of Biology, NUI Maynooth

12:40-12:55 Unexpected Hyphal Strike

Melanie Pathiraja, Peter Yew, Ronan McMullan, Grace Ong, Keith Miller, Brian McCluskey, Keith Gardiner, Wesam Elbaz
Royal Victoria Hospital, Grosvenor road, Belfast

Meeting Closes

13:00-14:15 **Lunch, Hamilton Foyer**