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. Loovers, 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 Fitzpatrick, Dr Trevor Hodkinson, 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
Clodhna 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 Armisén, Estelle Wéra, Seán ÓhÉigeartaigh, 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
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**