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**ANNUAL IRISH FUNGAL SOCIETY MEETING**

**LIMERICK INSTITUTE OF TECHNOLOGY**

**June 15th & 16th 2017**

PROUDLY SPONSORED BY:



Lectures in Room **4A02.** Tea/Coffee and posters/ exhibitions in **Aula Max**

* **June 15th**

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| Day 1 | 15th June 2017 |  |
| 9.25-9.30 | Welcome address | Liam Browne, Vice President Research, Enterprise & Development, Limerick Institute of Technology |
| **Chair: Catherine Collins**  **Session 1 Industrial Biotechnology/microbiology** | | |
| 9.30-10.00 | Dr. Andy Bailey  University of Bristol | **Manipulation of Fungal Gene Clusters to produce Pharmaceuticals and Agrochemicals**  Sponsored by Microbiology Society |
| 10.00-10.30 | Dr. Marilyn G. Wiebe, VTT Technical Research Centre of Finland, Finland  Sponsored by  **Microbiology Society** | **Improving Production of Mucic Acid, an Organic Diacid, with Fungi**  Sponsored by Microbiology Society |
| 10.30-10.45 | Dr. Mary Heneghan,  Institute of Technology Sligo | **Establishing Polyketide Biosynthetic Pathways in *Beauveria bassiana*** |
| 10:45-11:00 | Raúl A. Ortiz-Merino,  University College Dublin | ***Zygosaccharomyces parabailii:* a hybrid species which regained fertility after whole-genome duplication** |
| 11.00-11.30 Tea/Coffee  Chair: Tim Yeomans | | |
| 11.30-12.00 | Dr. Andre Canelas, Kerry Foods | **Fungal enzymes in action: Kerry Enzymes celebrating 50 years of enzymes expertise** |
| 12.00-12.15 | Ronan O’Donnell,  Institute of Technology Sligo | **Development of an efficient *Rasamsonia emersonii* ‘Molecular toolkit’ and transformation system** |
| 12.15-12.30 | Dr. Sinéad Phelan,  Teagasc | **Does the introduction of resistant potato lines or the application of fungicides effect local populations of *Phytophthora infestans*?** |
| 12.30-13.30 Lunch | | |
| **Chair: Gary Moran**  **Session 2 Antifungal Agents** | | |
| 13.30-14.00 | Prof Ted White  University of Missouri-Kansas City | **Analysis of azole resistance mechanisms using overexpression in *Saccharomyces cerevisiae*** |
| 14.00-14.30 | Dr. Jerry Reen, University College Cork | **A Systems Approach to Mining Cellular Communication Networks** |
| 14.30-14.45 | Qinxi Ma,  University College Dublin | **Mechanism of action of medium chain fatty acids as antifungal agents against *Candida albicans* and *Candida parapsilosis*** |
| 14.45-15.00 | Siobhán A. Turner,  University College Dublin | **Identification of novel repressors of adhesion in *Candida parapsilosis*** |
| 15.00-15.15 Tea/Coffee | | |
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| **Chair: Tom Rogers**  **Session 3 Case Studies Session** | | |
| 15.15-15.45 | Dr. Nuala O’Connell, University Hospital Limerick | **A romp through emerging issues in clinical mycology** |
| 15.45-15.55 | Case study 1  Grace Chan, University Hospital Waterford | ***Cryptococcal* Conundrum** |
| 15.55-16.05 | Case study 2  Dr. Julie Mac Mahon  Mater University Hospital, Dublin | **Aggressive cutaneous dermatophyte infection in a cardiac transplant patient** |
| 16.05-16.15 | Case study 3  Ruth Waldron,  St. James Hospital, Dublin | ***Candida krusei* pericarditis in an immunosuppressed patient: A case report** |
| 16.15-16.25 | Case study 4  Aia Mohamed,  St. James Hospital, Dublin | **An unusual case of mucormycosis post lobectomy** |
| 16.25-16.35 | Case study 5  Dr. Donnchadh O’Sullivan,  University Hospital Limerick | **A Rare Case of Bilateral Upper Lobe Aspergillomas in a Paediatric Patient with Cystic Fibrosis** |
| **Session 4 Posters** | | |
| 16.35-18.00 Poster Session | | |
| **19.30 Conference Dinner. Strand Hotel.** | | |

* **June 16th**

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| Day 2 | 16th June 2017 |  |
| Chair: Ted White  Session 1 Fungal Pathogens | | |
| 9.30-10.00 | Dr Jorge Amich, Manchester Fungal Infection Group (MFIG), University of Manchester | **Sulphur metabolism in Aspergillus fumigatus infection: in search of new antifungal treatments.**  Sponsored by Microbiology Society |
| 10.00-10.15 | Dr. Julie Renwick,  Trinity College Dublin | ***Aspergillus fumigatus* and *Pseudomonas aeruginosa* Co-Colonisation in Cystic Fibrosis** |
| 10.15-10.30 | Gerard Sheehan, Maynooth University | **The human cathelicidin antimicrobial peptide LL-37 augments the growth of the pulmonary pathogen *Aspergillus* *fumigatus*** |
| 10.30-10.45 | Dr. Katie Dunne,  Trinity College Dublin | **A prospective screen of clinical and environmental isolates of *Aspergillus fumigatus* for triazole resistance** |
| 10.45-11.00 | Peter Flanagan,  Trinity College Dublin | **Heterologously expressed *Candida albicans TLO* genes exhibit variable phenotypes** |
| 11.00-11.30 Tea/Coffee  Chair: Andy Bailey | | |
| 11.30-12.00 | Dr. Helen Grogan, Teagasc | **Multiple viral infections in the commercial mushroom *Agaricus bisporus* - characterisation and epidemiology**  Sponsored by Roche |
| 12.00-12.30 | Dr. Magdalena Martin-Uridoz, University of Exeter | **Investigating membrane curvature generation and quinate utilisation during plant infection by *Magnaporthe oryzae***  Sponsored by Roche |
| 12.30-12:45 | Charley McCarthy,  Maynooth University | **Horizontal gene transfer analysis and phylogenomic reconstruction of the oomycetes** |
| 12:45-13:00 | Jamie McGowan,  Maynooth University | **Genomic, Network and Phylogenetic Analysis of the Oomycete Effector Arsenal** |
| 13.00-13.30 Irish Fungal Society AGM | | |
| Packed Lunch | | |