



54th BSMM Annual Scientific Meeting
Cadbury House, Congresbury, Bristol
March 18th – 20th, 2018

Meeting Information

All sessions (including posters) will take place in the Great Room, Cadbury House, Frost Hill, Congresbury, Bristol BS49 5AD.

<http://www.cadburyhotelbristol.co.uk>



FINAL SCIENTIFIC PROGRAM

With many thanks to our generous sponsors, who provided funding to support this meeting:



PHE Culture



Sunday 18th March 2018

From 12.00 Registration, Foyer, Great Room

14.00-16.00 BSMM Executive Committee Meeting The Master Room
(BSMM Executive committee members only)

Session ONE

CHAIR: Prof. Tom Rogers

16.45 Official Welcome

17.00 BSMM Foundation Lecture Prof. Tom Patterson "Letter from America:
Clinical Mycology Practice in USA"

18.00 Poster Elevator Session 1

18.00-18.05 Ryan Kean "Transcriptional profiling of *Candida auris* biofilms reveals
antifungal resistance mechanisms

18.05-18.10 Dhara Malavia "Physiological Properties and Drivers of Goliath cell
formation in *C. albicans*"

18.10-18.15 Katherine Pline "Initiation of cryptococcosis is independent of infective
burden at low inocula"

18.15 Poster session 1 (local cheeses, nibbles, refreshments and
entertainment)

19.45 Dinner (Hot buffet) and Late Bar

Monday 19th March 2018

Session TWO – Medical Mycology- Emerging fungal pathogens (and what we should call them now)

CHAIR: Dr Richard Barton

- 9.00** **Keynote Talk** **Prof. Sybren de Hoog** “10 reasons why taxonomy currently is a mess”
- 9.30** **Offered Talk** **Helen Heaney** “Comparison of stress resistance in *Candida auris* with other pathogenic *Candida* species”
- 9.45** **Offered Talk** **Herbert Itabangi** “Elucidation and modulation of innate immune responses during mucormycete infections”
- 10.00** **Invited Talk** **Dr Johanna Rhodes** “Genomic epidemiology of *Candida auris* within the United Kingdom”
- 10.15** **Invited Case Report** **Dr Alasdair Bamford** “Intestinal Basidiobolus in a child from Dubai”

10.30 Coffee

Session THREE – Medical Mycology- Antifungal drugs and susceptibilities

CHAIR: Dr Elizabeth Johnson

- 10.50** **Keynote 2:** **Prof. Maiken Arendrup** “Antifungal susceptibility testing: why, when and how”
- 11.20** **Invited Talk 2** **Ali Abdolrasouli** “Occurrence of triazole resistance in clinical isolates of human fungal pathogen *Aspergillus fumigatus* in Northwest London, United Kingdom”
- 11.35** **Pfizer Lecture** To be Confirmed

12.05 **Invited Case Report** **Dr. Rajesh Alajangi** ‘Unresectable invasive mucormycosis of the lungs, treated with Isavuconazole’

12.20 **Gilead Fellows Talk 1** **Dr. Laura Ferreras-Antolin** “Antifungal Prescription in Children and Neonates: a multicentre point prevalence study (PASOAP)”

12.35 **Gilead Fellows Talk 2** **Dr. Anand Shah** “Determining the impact of azole resistant *Aspergillus fumigatus* on outcome in cystic fibrosis”

12.50 **Lunch**

Session FOUR – Medical Mycology continued - Diagnostic approaches

CHAIR: Dr. Lewis White

13.45 **Keynote 3** **Prof. Katrien Lagrou** “An end to the empirical antifungal era – an update on novel diagnostic strategies”

14.15 **Keynote 4** **Prof. Russell Lewis** “Improved Radiological Imaging of Mould Infections: The Cornerstone of Antifungal and Diagnostic Stewardship in Haematology Units”

14.45 **Gilead fellows talk 3** **Dr Alida Fe** “Moving towards a diagnostic driven approach in the management of invasive candidiasis in critical care”

15.00 **Invited Talk 3** **Prof. Matthew Burton** “Fungal Keratitis: Update on Epidemiology, Diagnosis and Management”

15.15 **Coffee**

Session FIVE –An update on Whole Genome Sequencing

CHAIR: Prof. Robin May

- 15.40** **Keynote 5** **Prof. Matt Fisher** “What has fungal whole genome sequencing ever done for us?”
- 16.10** **Offered Talk 4** **Dr. Sara Gago** “Fungal colonisation of the respiratory airways is controlled by multiple human genetic factors”
- 16.25** **Offered talk 5** **Dr. Selinda Orr** “Differential susceptibility of Dectin-1 isoforms to functional inactivation by neutrophil and fungal proteases”
- 16.40** **Poster Elevator Session 2 (4 x 5 mins)**
- 16.40-16.45** **Daniel Larcombe** “Glucose enhanced oxidative stress resistance as an example of adaptive prediction in *Candida albicans*”
- 16.45-16.50** **Aaron Crawford** “Adaptation to the host micronutrient environment: *Candida albicans* Zrc1 and its role in zincosomal zinc buffering”
- 16.50-16.55** **Vanessa Alves da Silva** “The Apt1 flippase is important for *Cryptococcus neoformans* transmigration across endothelial cells”
- 16.55-17.00** **Debra DeLoach** “Does Differential Coregulation of Hsp90 Cochaperones Contribute to Morphogenesis in *Candida albicans*?”
- 17.00** **AGM (All BSMM members welcome)**
- 17.45** **Poster Session 2** (with refreshments from 18.45)
- 19.30** **BSMM Annual Gala Dinner**

Sing-Song and Late Bar

Tuesday 20th March 2018

Session SIX – Fungal biology 1

CHAIR: Prof. Julian Naglik

9.30 **Keynote 6.** **Dr. Mike Bromley** “The antifungal drug development pipeline”

10.00 **GILEAD LECTURE** **Prof. Neil Gow** “A journey through outer space: the viscoelastic properties of the fungal cell wall allow traffic of AmBisome as intact liposome vesicles”

10.30 **Offered Talk 5** **Dr. Jemima Ho** “Candidalysin signals through the epidermal growth factor receptor (EGFR)”

10.45 **Coffee**

Session SEVEN – Fungal biology 2

CHAIR: Prof. Alistair Brown

11.15 **Keynote 7.** **Prof. Laurence Delhaes** “ The Respiratory Microbiome in CF patients”

11.45 **Offered Talk 6** **Dr. Ernesto Cota** ”An aromatic cage in *Candida* Als adhesins enhances selectivity for host cell ligands”

12.00 **Offered Talk 7** **Dr. Elizabeth Ballou** “The *Cryptococcus neoformans* Titan cell is an inducible and regulated morphotype underlying pathogenesis”

12.15 **Offered Talk 8** **Dr. Alessandra da Silva Dantas** “The chitin attenuator: the Ca²⁺/calcineurin pathway maintains the viability of *Candida albicans* cells with supra-normal chitin levels”

12.30 Offered Talk 9 Dr. Duncan Wilson “Intracellular micronutrient mobilisation fuels *Candida albicans* pathogenicity”

12.45 Close

12.50-14.00 Lunch and departure

OR:

14.00 Wellcome Trust Strategic Award for Medical Mycology and Fungal Immunology Symposium

Immediately following the BSMM meeting, the Wellcome Trust Strategic Award for Medical Mycology and Fungal Immunology will be holding a Symposium which will be an afternoon of talks from WTSA post-holders in the same venue, to which all BSMM 2018 attendees are invited.