

2nd International Conference on

MYCOLOGY & MUSHROOMS

September 25-26, 2017 Chicago, USA



HALL - LONDON

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10:00-10:25

Opening Ceremony

Keynote Forum

Introduction

10:25-10:55 **Title: Fungal models for amyloids and prions**

Yury Chernoff, Georgia Institute of Technology, USA

10:55-11:25 **Title: Conducting wine symphonics with the aid of synthetic yeast genomics**

Sakkie Pretorius, Macquarie University, Australia

Coffee Break 11:25-11:40 @ Foyer

11:40-12:10 **Title: Biology, genetics, functional genomics, evolution, and epidemics caused by the stripe rust pathogen**

Xianming Chen, USDA-ARS, USA

12:10-12:40 **Title: Biosynthesis and regulating mechanisms of patulin in fungi**

Shiping Tian, Institute of Botany, CAS, China

12:40-13:10 **Title: Mycobiome and interkingdom interactions**

Balbina Plotkin, Midwestern University, USA

Lunch Break 13:10-13:50 @ Athens

Major Sessions:

Applied Food Mycology and Biotechnology | Medical and Industrial Mycology | Fungal Interactions and Mycotoxins

Session Chair: **Sakkie Pretorius**, Macquarie University, Australia

Session Co-chair: **Yury Chernoff**, Georgia Institute of Technology, USA

Session Introduction

13:50-14:15 **Title: Inducing sporulation of *Drechslera graminea***

Mohammad Babadoost, University of Illinois, USA

14:15-14:40 **Chemical stressors increase polysaccharide secretion in *Lentinus squarrosulus***

Felicia Anike, North Carolina A&T State University, USA

14:40-15:05 **Title: Microbial metabolism of yeast mannans, a symbiosis that spans from humans to domesticated livestock**

Wade Abbott, Agriculture and Agri-Food Canada, Canada

15:05-15:30 **Title: A comparative analysis of extracted fungal pigments and commercially available dyes for coloring textiles**

Eric Hinsch, Oregon State University, USA

15:30-15:55 **Title: Fungal bioluminescence system: luciferin, luciferase and luciferin biosynthesis**

Hans Eugene Waldenmaier, Institute of Bioorganic Chemistry, Russia

Coffee Break 15:55-16:15 @ Foyer

Keynote Forum

10:15-10:45 Title: Preventing mycotoxin contamination of corn through biological control and transgenic insect protection

Mark Weaver, USDA-ARS, USA

10:45-11:15 Title: Upstream and downstream processing of *Ganoderma lucidum* mycelial extract: A road to natural remedies?

Wan Abd Al Qadr Imad Wan-Mohtar, University of Malaya, Malaysia

Coffee Break 11:15-11:30

11:30-12:00 Title: Comparative study on whole genome sequences of *Aspergillus terreus* (soil fungus) and *Diaporthe ampelina* (endophytic fungus) with reference to lovastatin production

Savitha Janakiraman, Bangalore University, India

Major Sessions:

Mushrooms and Fungal Diversity | Pathogenic Fungi and Fungal Diseases | Mushrooms for Health Immune System and Cancer

Session Chair: Sakkie Pretorius, Macquarie University, Australia

Session Co-chair: Xianming Chen, USDA-ARS, USA

Session Introduction

12:00-12:25 Title: Construction of mutant strains with inducible mating type genes to identify the A mating pathway in *Flammulina velutipes*

Irum Mukhtar, Fujian Agriculture and Forestry University, China

12:25-12:50 Title: Extensive *Tinea corporis* and *Tinea corporis et cruris* due to *Trichophyton interdigitale*

Kalsi Avneet Singh, Muzaffarnagar Medical College, India

Lunch Break 12:50-13:50 @ Athens

Posters Session and Networking

Title: Morphological, physiological and molecular characterization of two fungi isolated from the yellowstone national park

Alaa Alyamani, Tennessee State University, USA

13:50-16:00 Title: Groundbreaking: Truffle (*Tuber borchii*) production time reduced by half

Felicia Anike, North Carolina A&T State University, USA

Title: Breeding new *Cordyceps militaris* strain using mating type molecular markers

Miae Lee, CARES, South Korea

Coffee Break 16:00-16:15 @ Foyer

Award & Closing Ceremony