Scientific Program

Annual Congress on

Mycology and Fungal Infections

November 16-17, 2017   Atlanta, USA
## November 16

**Hall-Majestic I**

### Registrations

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>09:00-10:00</td>
<td>Opening Ceremony @ 10:00-10:25</td>
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### Keynote Forum

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:25-11:05</td>
<td>Molecular actions of heme, an important molecule impacting fungal virulence and drug resistance</td>
<td>Li Zhang, The University of Texas at Dallas, USA</td>
</tr>
<tr>
<td>11:05-11:45</td>
<td>Fungal prions, stress and cellular memory</td>
<td>Yury Chernoff, Georgia Institute of Technology, USA</td>
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### Panel Discussion

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<thead>
<tr>
<th>Time</th>
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<th>Speaker</th>
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<tbody>
<tr>
<td>11:45-12:00</td>
<td>Coffee Break</td>
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### Session I: Fungal Biotechnology and Pharmaceutical Mycology | Fungal Diseases: Detection, Diagnosis and Preventions | Fungal Diversity and Ecology

**Session Chair:** Yury Chernoff, Georgia Institute of Technology, USA  
**Session Co-chair:** Li Zhang, The University of Texas at Dallas, USA

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>14:20-14:55</td>
<td>Genomics, transcriptomics, proteomics, and biochemistry of white-rot basidiomycete <em>Trametes hirsuta</em> 072</td>
<td>Andrey R. Pavlov, Fidelity Systems, Inc., USA</td>
</tr>
<tr>
<td>14:55-15:30</td>
<td>High-throughput screening to identify regulators of meiosis-specific gene expression in <em>Saccharomyces cerevisiae</em></td>
<td>Yona Kassir, Technion-Israel Institute of Technology, Israel</td>
</tr>
<tr>
<td>15:30-16:05</td>
<td>Prion-like properties of a yeast G protein receptor involved in regulation of mating</td>
<td>Tatiana Chernova, Emory University, USA</td>
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</table>

### Panel Discussion

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<thead>
<tr>
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<tbody>
<tr>
<td>16:05-16:15</td>
<td>Coffee Break</td>
<td></td>
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</table>

### Poster Session and Networking

**Poster Judge:** Li Zhang, The University of Texas at Dallas, USA

<table>
<thead>
<tr>
<th>Poster</th>
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</thead>
<tbody>
<tr>
<td>P 01</td>
<td>Variation of anti-fungal saponin concentration in <em>Apostichopus japonicus</em></td>
<td>Akira Yano, Iwate Biotechnology Research Center, Japan</td>
</tr>
<tr>
<td>P 02</td>
<td>Yeast assay for amyloid aggregation in proteopathies</td>
<td>Zachery Deckner and Pavithra Chandramowlishwaran, Georgia Institute of Technology, USA</td>
</tr>
<tr>
<td>P 03</td>
<td>Physiological regulation of heritable protein aggregation</td>
<td>Rebecca Howie, Georgia Institute of Technology, USA</td>
</tr>
<tr>
<td>P 04</td>
<td>Aggregate formation by prionogenic proteins in yeast</td>
<td>Anastasiya Grizel, St. Petersburg State University, Russia</td>
</tr>
<tr>
<td>P 05</td>
<td>Short-length DNA marker for the determination of malayan box turtle (<em>Cuora amboinensis</em>) materials in food chain and traditional chinese medicines</td>
<td>Asing, University of Malaya, Malaysia</td>
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</tbody>
</table>
**November 17**

**Hall-Majestic I**

**Keynote Forum**

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<tr>
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<tbody>
<tr>
<td>10:00-10:40</td>
<td>Title: Methods for characterizing fungal communities in the human microbiome</td>
<td>Kyle Bittinger</td>
<td>Children’s Hospital of Philadelphia, USA</td>
</tr>
<tr>
<td>10:40-11:20</td>
<td>Title: Candida-associated gastric ulcer until yesterday, today, and from tomorrow</td>
<td>Kenji Sasaki</td>
<td>Midtown Medicare Clinic, Japan</td>
</tr>
</tbody>
</table>

**Panel Discussion**

Coffee Break 11:20-11:40

Session: Medical and Clinical Mycology | Fungal Infectious Diseases | Current Trends, Innovations and Future Prospects in Mycology | Fungal Biotechnology and Pharmaceutical Mycology

Session Chair: Li Zhang, The University of Texas at Dallas, USA
Session Co-chair: Kyle Bittinger, Children’s Hospital of Philadelphia, USA

**Session Introduction**

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<tr>
<td>11:40-12:15</td>
<td>Title: A comparative study on the growth of <em>Aspergillus</em> species on formulated culture media from food crop wastes and sabouraud dextrose agar</td>
<td>Janet Uchechukwu Itelima</td>
<td>University of Jos, Nigeria</td>
</tr>
<tr>
<td>12:15-12:50</td>
<td>Title: Genome shuffling of mangrove endophytic <em>Aspergillus luchuensis</em> MERV10 for improving the cholesterol-lowering agent lovastatin under solid state fermentation</td>
<td>Hind AlZahrani</td>
<td>KAU University, Saudi Arabia</td>
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**Young Researchers Forum**

YRF Judge: Li Zhang, The University of Texas at Dallas, USA
YRF Judge: Kyle Bittinger, Children’s Hospital of Philadelphia, USA

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<tr>
<td>12:50-13:20</td>
<td>Title: Heme promotes transcriptional and demethylase activities of Gis1, a member of the histonendemethylase JMJD2/KDM4 family</td>
<td>Tianyuan Wang</td>
<td>The University of Texas at Dallas, USA</td>
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**Panel Discussion**

Lunch Break 13:20-14:20

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<tr>
<td>14:20-14:50</td>
<td>Title: The hnRNP-like yeast termination factor Nab3 can employ heterologous low complexity domains in place of its essential low complexity domain</td>
<td>Travis Loya</td>
<td>Emory University, USA</td>
</tr>
<tr>
<td>14:50-15:20</td>
<td>Title: Characterizing protein interactions promoting heme regulation of the JMJC domaincontaining protein Gis1 in yeast</td>
<td>Purna Chaitanya Konduri</td>
<td>The University of Texas at Dallas, USA</td>
</tr>
<tr>
<td>15:20-15:50</td>
<td>Title: Bioremediation potential of fungi isolated from uranium mine in Brazil</td>
<td>Ednei Coelho</td>
<td>University of São Paulo, Brazil</td>
</tr>
</tbody>
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Panel Discussion @ 15:50-16:00

Coffee Break 16:00-16:20

Awards and Closing Ceremony