

Time	Monday	Tuesday	Wednesday	Thursday
	8-May	9-May	10-May	11-May
09:00 - 09:40	Opening Ceremony	Luis Corrochano	Jon Takemoto	Chengshu Wang
09:40 - 10:20		Gerhard Braus	Célia Maria de Almeida Soares	Octavio Loera Corral
10:20 - 10:40	Quick Coffee Break			
10:40 - 11:20	Ekaterina Dadachova	Monika Schmoll	Iran Malavazi	Nicolás Pedrini
11:20 - 12:00	Laura Selbmann	Luis Larrondo	Márcia Regina von Zeska Kress	Everton K. K. Fernandes
12:00 - 13:40	Lunch			
13:40 - 14:20	John E. Hallsworth	Kevin Fuller	Alexandre Melo Bailão	Elis C. A. Eleutherio
14:20 - 15:00	Gustavo H. Goldman	Gilberto U. L. Braga	Elias Hakalehto	Diego Bonatto
15:00 - 15:40	Coffee Break and Poster Section			
15:40 - 16:20	Maria Celia Bertolini	Drauzio E. N. Rangel	Roger Finlay	Anderson Ferreira da Cunha
16:20 - 17:00	ELSEVIER STUDENT AWARDS		Rosane Marina Peralta	Closing Ceremony

Nicolás Pedrini – Universidad Nacional de La Plata (UNLP), La Plata, Argentina.
Molecular interactions between entomopathogenic fungi and their insect host: insights into both cuticle and hemolymph battlefield.

Everton K. K. Fernandes – Universidade Federal de Goiás (UFG), Goiânia, GO, Brazil.

Tolerance of conidia versus blastospores of *Metarhizium spp.* and *Beauveria bassiana* to heat and UV-B radiation

May 11, 2017 – Thursday - 13:40 – 17:00

TOPIC 5: Fungal stress in the industry – Chair: John E. Hallsworth

Elis C. A. Eleutherio – Universidade Federal do Rio de Janeiro (UFRJ), Rio de Janeiro, RJ, Brazil.

Oxidative Stress: Learning from yeast lessons.

Diego Bonatto – Universidade Federal do Rio Grande do Sul (UFRGS), Porto Alegre, RS, Brazil.

Lagers yeasts and the delicate balance between hybrid genomes and brewery's stress.

Anderson Ferreira da Cunha – Universidade Federal de São Carlos (UFSCar), São Carlos, SP, Brazil.

Thermotolerant and ethanol-resistant *Saccharomyces cerevisiae* strains: Isolation, molecular characterization and evaluation of gene expression of stress related genes.



May 8-11, 2017

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May 8, 2017 – Monday - 10:40 – 12:00

TOPIC 1: Fungal biology in extreme environments – Chair: Drauzio E.N. Rangel

Ekaterina Dadachova – University of Saskatchewan (U of S), Saskatoon, SK, Canada.
Melanized fungi are resistant to both sparsely and densely ionizing radiation.

Laura Selbmann – Università degli Studi della Tuscia (UNITUS), Viterbo, Italy.
Resistance of an Antarctic cryptoendolithic fungus to radiation.

May 8, 2017 – Monday - 13:40 – 17:00

TOPIC 1: Fungal biology in extreme environments – Chair: Drauzio E.N. Rangel

John E. Hallsworth – Queen's University Belfast (QUB), Belfast, Northern Ireland, UK.
Interventions of glycerol expand the water-activity limit for life: ecology and biophysics of extreme fungal xerophiles.

TOPIC 2: Stress mechanisms and responses in fungi: molecular biology, biochemistry, biophysics, cellular biology – Chair: Luis M.P. Corrochano

Gustavo H. Goldman – Universidade de São Paulo (USP), Ribeirão Preto, SP, Brazil.
Regulation of *Aspergillus nidulans* CreA-mediated catabolite repression by Fbx23 and Fbx47, F-box subunits of the SCF ubiquitin ligase complex.

Maria Celia Bertolini – Universidade Estadual Paulista (UNESP), Araraquara, SP, Brazil.
Functional characterization of transcription factors/proteins regulating stress response in *Neurospora crassa*

May 9, 2017 – Tuesday - 9:00 – 12:00

TOPIC 3: Fungal photobiology in the context of stress – Chair: Célia M. A. Soares

Luis Corrochano – Universidad de Sevilla, Sevilla, Spain.
Light in the fungal world: a signal from the environment and a stress for the cell.

Gerhard Braus – Georg August University of Göttingen (GAU), Göttingen, Germany.
Light and fungal development and coordinated secondary metabolism in *Aspergillus*

Monika Schmoll – Austrian Institute of Technology GmbH (AIT), Tulln, Austria.
Fungi: Light dependent regulation of carbon and secondary metabolism in *Trichoderma reesei*.

Luis Larrondo – Pontificia Universidad Católica de Chile (PUC), Santiago, Chile.
New functions for an old protein: examining the role of FREQUENCY in clock regulation, nutritional sensing and stress responses in the phytopathogen *Botrytis cinerea*.

May 9, 2017 – Tuesday - 13:40 – 17:00

TOPIC 3: Fungal photobiology in the context of stress – Chair: Gustavo H. Goldman

Kevin Fuller – Geisel School of Medicine at Dartmouth, Hanover, NH, USA.
Photoregulation of metabolism and antifungal sensitivity in the mold pathogens *Aspergillus* and *Fusarium*.

Gilberto U. L. Braga – Universidade de São Paulo (USP), Ribeirão Preto, SP, Brazil.
Antimicrobial photodynamic treatment as an alternative to control fungal pathogens.

Drauzio E. N. Rangel – Universidade Federal de Goiás (UFG), Goiânia, GO, Brazil.
Illuminated fungi during mycelial growth produce conidia with increased stress tolerance.

May 10, 2017 – Wednesday - 9:00 – 12:00

TOPIC 4: Role of stress in fungal pathogenesis – Chair: Kevin Fuller

Jon Takemoto – Utah State University (USU), Logan, UT, USA.
New generation aminoglycoside fungicides.

Célia Maria de Almeida Soares – Universidade Federal de Goiás (UFG), Goiânia, GO, Brazil.
Metabolic changes in *Paracoccidioides* spp. during host infection.

Iran Malavazi – Universidade Federal de São Carlos (UFSCAR), São Carlos, SP, Brazil.
The contribution of the cell wall integrity pathway to virulence in *Aspergillus fumigatus*.

Marcia Regina von Zeska Kress – Universidade de São Paulo (USP), Ribeirão Preto, SP, Brazil.
Antimicrobial photodynamic inactivation and photodynamic therapy for fungal infection.

May 10, 2017 – Wednesday - 13:40 – 17:00

TOPIC 4: Role of stress in fungal pathogenesis – Chair: Kevin Fuller

Alexandre Melo Bailão – Universidade Federal de Goiás (UFG), Goiânia, GO, Brazil.
Characterization of black fungi iron homeostasis.

Elias Hakalehto – University of Eastern Finland (UEF), Kuopio, Finland.
Competitive interactions between fungi and other microbes in stressed ecosystems.

Roger D. Finlay – Swedish University of Agricultural Sciences (SLU), Uppsala, Sweden.
Mediation of stress responses by root-associated microorganisms – examples from agriculture and forestry.

Topic 5: Fungal stress and its implications on bioremediation – Chair: Everton K.K. Fernandes

Rosane Marina Peralta – Universidade Estadual de Maringá (UEM), Maringá, PR, Brazil.
Biorremediation by fungi in a stressful environment: application of white rot fungi in the degradation of recalcitrant organic pollutants.

May 11, 2017 – Thursday - 9:00 – 12:00

TOPIC 6: Fungal stress in agriculture – Chair: Gilberto U.L. Braga

Chengshu Wang – Chinese Academy of Sciences, Shanghai, China.
The cause-effect relationships between the oxidative stress and fungal culture degeneration

Octavio Loera Corral – Universidad Autónoma Metropolitana-Iztapalapa, (UAM) Mexico City, Mexico.
Oxidant states improve production and quality of conidia in entomopathogenic fungi.