



X International Fungal Biology Conference &
VIII Congreso Nacional de la Rama de Biología Molecular y Celular de
Hongos de la Sociedad Mexicana de Bioquímica
Ensenada, Baja California, México
December 6 - 10, 2009

Frontiers in Fungal Biology Fronteras en Biología de Hongos

SUNDAY Dec 6, 2009

17:00 - 20:00 **REGISTRATION**
ENSENADA ROOM – HOTEL CORAL

20:00 - 23:00 **WELCOME PARTY**
CASINO ROOM, CENTRO SOCIAL CIVICO Y CULTURAL RIVIERA

MONDAY DEC 7, 2009

9:00 **OPENING CEREMONY**
CHAIR: SALOMON BARTNICKI-GARCIA
Rosa Mouriño Perez, Alexei Licea Navarro, Jesus Aguirre, Kurt Mendgen,
Federico Graef Ziehl

9:30 RECESS

9:40 **OPENING LECTURE**
Gordon Beakes, Newcastle University, UK,
Trivial pursuits - insights gained from a career studying unusual fungi

10:30 **C O F F E E**

11:00 **SYMPOSIUM: MORPHOGENESIS & CELL BIOLOGY**
CHAIRS: MERITXELL RIQUELME

11:05 **Michelle Momany**, University of Georgia, USA,
Septins: cytoskeletal scaffolds that direct morphogenesis

11:35 **Oded Yarden**, Hebrew University Jerusalem, ISRAEL,
Cell elongation and branching are regulated by differential phosphorylation states of the NDR kinase COT1 in Neurospora crassa

12:05 **Vera Meyer**, Leiden University, NETHERLANDS,
Chasing regulatory networks involved in polar growth control of Aspergillus. Niger

12:35 **Barry Bowman**, University of California, Santa Cruz, USA,
Structure and distribution of organelles and the cellular location of calcium transporters in Neurospora crassa

13:05 **Peter Phillipsen**, University of Basel, SWITZERLAND,
Control of polar growth and nuclear migration in fungal hyphae: lessons learned from Ashbya gossypii.

13:35 – 15:00 **LUNCH**

15:00	SYMPOSIUM: SIGNAL TRANSDUCTION CHAIRS: WILHELM HANSBERG
15:05	Kazuhiro Shiozaki , University Of California, Davis, USA, <i>Regulation of TOR complex 2 essential for stress survival in fission yeast</i>
15:35	Jesus Aguirre , IFC-UNAM, MEXICO, <i>Stress signaling and Development in Aspergillus nidulans</i>
16:05	Michael Bölker , University of Marburg, GERMANY, <i>Regulation of Rac1 GTPase signalling during dimorphic switching of Ustilago maydis</i>
16:35	Richard A. Wilson , University of Nebraska. USA <i>Trehalose-6-phosphate synthase integrates metabolism and virulence in Magnaporthe oryzae via a novel NADP(H)-dependent genetic switch</i>
19:00 - 22:00	POSTER SESSION I - MEXICAN BUFFET - DRINKS – MUSIC

TUESDAY DEC 8

9:00	SYMPOSIUM: POLARITY & CYTOSKELETON CHAIRS: ROSA MOURIÑO
9:05	Reinhard Fischer , University Karlsruhe, GERMANY, <i>Microtubules in Aspergillus nidulans</i>
9:35	Miguel Peñalva , CSIC Madrid, SPAIN, <i>Membrane traffic in the Aspergillus nidulans hyphal tip</i>
10:05	Peter Sudbery , University of Sheffield, UK, <i>Hyphal growth in Candida albicans requires the phosphorylation of sec2 by the cdc28- hgc1 kinase</i>
10:35	Brian Shaw , Texas A&M University, USA <i>Endocytosis and development in Aspergillus nidulans</i>
11:05	C O F F E E
11:30	SYMPOSIUM: CHARLES BRACKER MICROSCOPY SYMPOSIUM CHAIRS: ROBERT ROBERSON & SALOMON BARTNICKI-GARCIA
11:35	Rosamaria Lopez-Franco , ÍTESM Monterrey, MEXICO, <i>Charles E. Bracker Jr: The man, the teacher and the scientist</i>
12:05	Martha Powell , University of Alabama, USA, <i>Zoospores, Microscopes and Molecules</i>
12:35	Adrienne Hardham , Australian Natl. University, AUSTRALIA, <i>Molecular cytology of Phytophthora pathogenicity</i>
13:05	Robert Roberson , Arizona State University, USA, <i>Hyphal tip structure and diversity</i>
13:35 – 15:00	L U N C H
FREE EVENING - TOURS - EXCURSIONS	

WEDNESDAY DEC 9

9:00	SYMPOSIUM: RHYTHMS & PHOTOBIOLOGY CHAIRS: STUART BRODY & ERNESTINA CASTRO-LONGORIA
9:05	Alfredo Herrera-Estrella , CINVESTAV Guanajuato, MEXICO, <i>A functional genomics analysis of light responses in Trichoderma</i>
9:35	Deborah Bell-Pedersen , Texas A&M University, USA, <i>How fungi keep time: Circadian oscillators and rhythmic outputs</i>
10:05	Gerhard Braus , University of Göttingen, GERMANY, <i>Light control of Aspergillus nidulans development.</i>
10:35	Monika Schmoll , Vienna University of Technology. AUSTRIA <i>Assessing signal relevance: How Hypocrea jecorina (Trichoderma reesei) adjusts the interplay between heterotrimeric G-protein signaling and light response</i>
11:05	C O F F E E
11:30	SYMPOSIUM: GENOME-WIDE APPROACHES TO STUDY NUCLEUS DYNAMICS CHAIRS: MICHAEL FREITAG
11:35	Steve Osmani , Ohio State University, USA, <i>Mitotic regulation of nuclear structure</i>
12:05	Miriam Zolan , Indiana University, USA, <i>Global analysis of meiotic gene expression and the roles of dna repair proteins in meiotic chromosome structure and function</i>
12:35	Kristina Smith , Oregon State University, USA, <i>Centromeres of filamentous fungi</i>
13:05	Judith Berman , University of Minnesota, USA, <i>Genome instability in Candida albicans</i>
13:35 – 15:00	L U N C H
15:00	SYMPOSIUM: FUNGUS – HOST INTERACTION CHAIRS: ALFREDO HERRERA-ESTRELLA
15:05	Natalia Requena , University of Karlsruhe, GERMANY, <i>Fungal signals and plant perception during the arbuscular mycorrhizal symbiosis</i>
15:35	Kurt Mendgen , University of Konstanz, GERMANY, <i>Specific communities of Oomycetes colonise live or dead leaves and roots of Phragmites australis in a changing environment</i>
16:05	Raymond St. Leger , University of Maryland, USA, <i>Metarhizium anisopliae as a model for studying host pathogen interactions</i>
16:35	Ana Lila Martínez-Rocha , University of Exeter, UK <i>Investigating the delivery of effector proteins by Magnaporthe oryzae</i>
16:50	Sergio Casas Flores , IPICYT, MEXICO <i>The plant growth-promoting fungus Aspergillus ustus alters root architecture through a hormone signaling mechanism and induces resistance against foliar pathogens in Arabidopsis thaliana</i>
19:00 - 22:00	POSTER SESSION II - MEXICAN BUFFET - DRINKS - MUSIC

THURSDAY DEC 10

8:00	BUSINESS SESSION -- INTERNATIONAL FUNGAL BIOLOGY CONFERENCES
8:30	SESION DE NEGOCIOS -- RAMA DE BIOLOGIA MOLECULAR Y CELULAR
9:00	SYMPOSIUM: FRONTIERS IN FUNGAL BIOTECHNOLOGY CHAIRS: RAFAEL VAZQUEZ-DUHALT
9:05	Rafael Vazquez-Duhalt , Institute of Biotechnology-UNAM, MEXICO, <i>Genetic design of fungal enzymes for environmental purposes</i>
9:35	Louise Glass , University Of California - Berkeley, USA, <i>Biofuels: Systems analysis of plant cell wall degradation by the model filamentous fungus <i>Neurospora crassa</i></i>
10:05	Andrea Stierle , University of Montana, USA, <i>Use of signal transduction enzyme assays to guide the isolation of anticancer compounds from acid mine waste extremophiles.</i>
10:35	Fabio Squina , Center of Science & Technology of Bioethanol, Sao Paulo, BRAZIL <i>Gene library generation for biomass-conversion enzymes</i>
10:50	Rosa Quiroz Castaneda , Institute of Biotechnology-UNAM, MEXICO <i>Expression in yeast of a new type of expansin-like protein of the Basidiomycete <i>Bjerkandera adusta</i> and quantification of expansin activity.</i>
11:05	C O F F E E
11:30	SYMPOSIUM: FRONTIERS IN MEDICAL MYCOLOGY CHAIRS: NEIL GOW & ALEJANDRO DE LAS PEÑAS
11:35	James Kronstad , University of British Columbia, CANADA, <i>Mechanisms of iron sensing and uptake in <i>Cryptococcus neoformans</i></i>
12:05	Irene Castaño , IPICYT, San Luis Potosí, MEXICO, <i>What do we know about silencing in <i>Candida glabrata</i>?</i>
12:35	Neil Gow , University of Aberdeen, UK, <i>Fungal cell wall biosynthesis and immune regulation</i>
13:05	Rafael Sentandreu , University of Valencia, SPAIN <i>Functional characterization of <i>Pga13</i> and <i>Pga31</i>, two <i>Candida albicans</i> GPI-anchored cell wall proteins</i>
13:20	Alejandra Mandel , University of Arizona, USA <i>Role of chitin synthases (<i>CHS</i>) from classes V and VII in the mechanism of action of Nikkomycin Z in the infectious cycle of <i>Coccidioides posadasii</i></i>
13:35 – 15:00	L U N C H

15:00	SYMPOSIUM: FRONTIERS IN FUNGAL RESEARCH CHAIRS: Salomón Bartnicki-García
15:05	Jose Ruiz-Herrera , CINVESTAV Irapuato, MEXICO, <i>On how the cell wall structure and its synthesizing machinery evolved in the mycota kingdom</i>
15:35	Joan Bennett , Rutgers Univ, USA, <i>Mycotoxins, sick buildings, and the molds of hurricane Katrina</i>
16:05	Nick Read , University of Edinburgh, UK, <i>Cytoskeletal, nuclear and signalling dynamics during colony initiation in Neurospora crassa</i>
16:35	Nicholas Money , Miami University, USA, <i>The fastest flights (and rotations) in nature: fungal spore discharge at one million frames per second</i>
17:05	RECESS
17:20	CLOSING CEREMONY Stuart Brody , University Of California, San Diego, USA, <i>The future of fungal biology</i>
19:30	- ???? GALA DINNER D A N C E
