

**X Congreso Nacional de Biología
Molecular y Celular de Hongos
P r o g r a m**

Oaxaca, Oax. October 27 – 31, 2013

| Sunday, October 27 | |
|--------------------|--|
| 12:00 – 18:00 | Registration |
| 14:00 – 17:00 | Lunch |
| 18:00 – 18:30 | Opening Ceremony |
| 18:30 – 19:30 | Opening Talk. Chair: Alfredo Herrera Estrella <i>Emily McClung</i> Restos arqueológicos de plantas en la reconstrucción de subsistencia, ritos y el manejo de ecosistemas prehispánicos. Instituto de Investigaciones Antropológicas, UNAM |
| 19:30 – 21:30 | Welcome Cocktail |
| Monday, October 28 | |
| 7:00 – 9:00 | Breakfast |
| 9:00 – 10:00 | Plenary Talk I. Chair: Edgardo Ulises Esquivel <i>Rosa Mouriño</i> Keeping the shape. Endocytosis and hyphal morphogenesis. Departamento de Microbiología, CICESE. Ensenada |
| | Plenary Session I. Fungal Cell and Developmental Biology Chair: Sergio Casas Flores |
| 10:00 – 10:30 | Dissecting the epigenetic mechanisms of blue light perception in the filamentous fungus <i>Trichoderma atroviride</i>. <i>Sergio Casas-Flores</i> , Mayte Guadalupe Cervantes-Badillo, Edith Elena Uresti-Rivera, Macario Osorio-Concepción, and Gema Rosa Cristóbal-Mondragón Division de Biología Molecular, IPICYT |
| 10:30 – 10:45 | The NADPH oxidases and tetraspanin PLS-1 in fusion and cell differentiation in the fungus <i>Neurospora crassa</i>. <i>María del Sol Hernández Galván</i> , Nallely Cano Domínguez, Olivia Sánchez and Jesús Aguirre Instituto de Fisiología Celular, UNAM |
| 10:45 – 11:00 | The role of chitin synthases in development and morphogenesis of <i>Neurospora crassa</i>. <i>Rosa A. Fajardo-Somera</i> , Jönhk Bastian, Robert Roberson, Özgür Bayram, Gerhard H. Braus and Meritxell Riquelme CICESE |

**X Congreso Nacional de Biología
Molecular y Celular de Hongos
P r o g r a m**

Oaxaca, Oax. October 27 – 31, 2013

| | |
|---------------|--|
| 13:30 – 13:45 | Systematic identification of subtelomeric silencing pathways in <i>Saccharomyces cerevisiae</i>. <i>Alejandro Juárez-Reyes, Jhonatan Hernández-Valdés & Alexander de Luna.</i> CINVESTAV, IPN |
| 13:45 – 15:00 | Lunch |
| 15:00 – 17:30 | Poster Session Odd Numbers |
| 17:45 – 18:45 | Plenary Talk II. Chair: Alfredo Herrera Estrella <i>Jesús Aguirre Linares</i> Cell Differentiation and Resilience in Fungi. Instituto de Fisiología Celular, UNAM |
| 18:45 – 19:00 | Coffee Break |
| | Plenary Session III. Biochemistry and Signal Transduction Chair: Alejandro de las Peñas |
| 19:00 – 19:30 | Secondary metabolites in the fungal pathogen <i>Candida glabrata</i>. <i>María Guadalupe Gutiérrez Escobedo</i> División de Biología Molecular, Instituto Potosino de Investigación Científica y Tecnológica, AC. |
| 19:30 – 19:45 | Functional analysis of the NADP- Dependent glutamate dehydrogenase (NADPH-KIGdh1) of <i>Kluyveromyces lactis</i>. <i>José Carlos Campero-Basaldúa and M. Alicia González Manjarrez</i> Instituto de Fisiología Celular, UNAM |
| 19:45 – 20:00 | Proteomic analysis of signaling pathways mediated by the heterotrimeric Gα protein Pga1 of <i>Penicillium chrysogenum</i>. <i>Ulises Carrasco Navarro, Francisco José Fernández Perrino, Horacio Reyes Vivas, Francisco Fierro Fierro</i> Universidad Autónoma Metropolitana. Unidad Iztapalapa |
| 20:00 – 20:15 | Morphological changes in the <i>Candida albicans</i> ultrastructure caused by the transglutaminases in competitive inhibitor cystamine. <i>Elizabeth Reyna-Beltrán, Labra-Barrios ML, Luna-Arias JP.</i> CINVESTAV-IPN. Unidad Zacatenco |
| 20:15 -20:30 | Search S6 ribosomal protein not associated with ribosomes in nuclei of <i>Saccharomyces cerevisiae</i>. <i>Reynaldo Tiburcio-Félix, Samuel Zinker-Ruzal</i> CINVESTAV-IPN. Unidad Zacatenco |

**X Congreso Nacional de Biología
Molecular y Celular de Hongos
P r o g r a m**

Oaxaca, Oax. October 27 – 31, 2013

| | |
|---------------------|---|
| 20:30 – 20:45 | <p>Mycoviral presence on <i>Isaria fumosorosea</i> isolates from Mexico. <i>Judith Castellanos Moguel</i>, Viridiana Mendoza Álvarez, Nancy Romero Martínez, Estela Tavares Macías, Zyania Pérez Juárez Universidad Autónoma Metropolitana. Unidad Xochimilco</p> |
| 20:45 – 21:00 | <p><i>Saccharomyces cerevisiae</i> ALT2: A bioinformatics approach to uncover its function. <i>José María Uriel Urquiza García</i>, Alicia González Instituto de Fisiología Celular, UNAM</p> |
| 21:00 | Art Auction. “Noel Cayetano. Contemporary Art” |
| Tuesday, October 29 | |
| 7:00 – 9:00 | Breakfast |
| 9:00 – 10:00 | <p>Plenary Talk III. Chair: Jorge Luis Folch</p> <p><i>Salomón Bartnicki García</i> The hyphal morphogenesis conundrum: navigating the fine line between fact and speculation Centro de Investigación Científica y de Educación Superior de Ensenada</p> |
| 10:00 – 11:00 | WORKSHOP I. Selected Posters |
| 11:00 – 11:15 | Coffee Break |
| 11:15 – 11:45 | <p>Plenary Session IV. Biotechnology I</p> <p style="text-align: center;">Chair: Jorge Luis Folch Mallol</p> <p>Analysis of <i>Trichoderma atroviride</i> strains that express a laccase from <i>Pycnoporus sanguineus</i>. <i>Jorge Luis Folch Mallol</i>, Balcázar López Edgar, Méndez Lorenzo Luz Helena, Esquivel Naranjo Edgardo Ulises, Ayala Aceves Marcela, Herrera Estrella Alfredo Centro de Investigación en Biotecnología, UAEM</p> |
| 11:45 – 12:00 | <p>Endophytic fungi associated with <i>Taxus globosa</i> Schlttdl. with potential anticancer taxol production. <i>Claudia López Sánchez</i>, Felipe de Jesús Palma Cruz and Lucia Martínez Martínez Instituto Tecnológico del Valle de Oaxaca</p> |
| 12:00 – 12:15 | <p>Analysis of the fungal community associated with litter from two species of oak. <i>Jesús Andrei Rosales-Castillo</i>, Gerardo Vázquez-Marrufo and Felipe García-Oliva Centro de Investigaciones en Ecosistemas, UNAM</p> |

**X Congreso Nacional de Biología
Molecular y Celular de Hongos
P r o g r a m**

Oaxaca, Oax. October 27 – 31, 2013

| | |
|------------------------------|---|
| 12:15 – 12:30 | <p>Specific and fast molecular detection of several common species of <i>Candida</i> in human infections: <i>Candida albicans</i>, <i>Candida tropicalis</i> and <i>Candida parapsilosis</i>. <i>Cesia Janell Hernández Howell</i>, Alba Saucedo Fuentes, María del Rosario Baltazar Lara, Alejandro De Las Peñas Nava, Irene Castaño Navarro Division de Biología Molecular, IPICYT</p> |
| 12:30 – 12:45 | <p>Heterologous expression in <i>Pichia pastoris</i> of transcription factors PcYap1, RsmA and AtfB of <i>Penicillium chrysogenum</i>. <i>Wylma D. Pérez Pérez</i>, Ulises Carrasco Navarro, Javier Barrios González, Ma. Concepción Gutiérrez Ruiz, Francisco Fierro Fierro Universidad Autónoma Metropolitana, Unidad Iztapalapa</p> |
| 12:45 – 13:00 | <p>Analysis and characterization of the <i>YLRI77W</i> gene overexpression in <i>Saccharomyces cerevisiae</i> during Agave juice fermentation. <i>Naurú Idalia Vargas Maya</i>, Gloria Angélica González Hernández, Araceli López Andrade, Adriana García Tapia and Juan Carlos Torres Guzmán División de Ciencias Naturales y Exactas. Universidad de Guanajuato</p> |
| 13:00 – 14:00 | <p>Plenary Talk IV. Chair: Lina Raquel Riego</p> <p><i>Irene Castaño</i> How does the opportunistic pathogen <i>Candida glabrata</i> avoid sexual reproduction? Departamento de Biología Molecular, IPICYT</p> |
| 14:00 – 16:00 | Lunch |
| | FREE AFTERNOON |
| Wednesday, October 30 | |
| 7:00 – 9:00 | Breakfast |
| 9:00 – 10:00 | <p>Plenary Talk V. Chair: Wilhelm Hansberg</p> <p><i>Michael Feldbrügge</i> Intracellular trafficking along microtubules in fungi. Heinrich-Heine University Düsseldorf</p> |
| 10:00 – 10:13 | <p>METHODS</p> <p><i>James González</i> PICH protocol a key tool to analyze promoters. Instituto de Fisiología Celular, UNAM</p> |

**X Congreso Nacional de Biología
Molecular y Celular de Hongos
P r o g r a m**

Oaxaca, Oax. October 27 – 31, 2013

| | |
|---------------|---|
| 12:30 – 12:45 | <p>Cytokines profile during the innate and the inter-phase innate-adaptive immune response in murine pulmonary histoplasmosis induced with fungal mycelial phase propagules. <i>Jorge Humberto Sahaza, Pérez-Torres Armando, Taylor María Lucia</i> Facultad de Medicina, UNAM</p> |
| 12:45 – 13:15 | Bussiness Session |
| 13:15 – 15:00 | Lunch |
| 15:00 – 17:00 | Poster Session Even Numbers |
| | Plenary Session VI. Biotechnology II Chair: Marcela Ayala |
| 17:15 – 17:45 | <p>Fungal oxidoreductases applied to bioremediation: opportunities and challenges. <i>Marcela Ayala Aceves</i> Departament of Celular Engineering and Biocatalysis. Institute of Biotechnology, UNAM</p> |
| 17:45 – 18:00 | <p>An acidic MES buffered media prevents alkaline hydrolysis of cephalosporin C in <i>Acremonium chrysogenum</i> pacCC fermentation cultures. <i>Alberto Cristian López Calleja, Francisco Fierro Fierro, Octavio Loera Corral, Francisco José Fernández Perrino</i> Universidad Autónoma Metropolitana. Unidad Iztapalapa</p> |
| 18:00 – 18:15 | <p>High-Level Expression of Manganese Peroxidase, Lignin Peroxidase, and Versatile Peroxidase in Ligninolytic Fungus <i>Phanerochaete chrysosporium</i>. <i>Nancy Coconi-Linares, Elizabeth Ortíz-Vázquez, Francisco Fernández, Achim M. Loske, Miguel A. Gómez-Lim</i> CINVESTAV Unidad Irapuato</p> |
| 18:15 – 18:30 | <p>Gene cloning and expression of a fungus carbohydrate esterase of <i>Bjerkandera adusta</i> in <i>Pichia pastoris</i>, and evaluation of its effect on lignocellulosic material degradation. <i>Laura I. Cuervo Soto, Jorge Luis Folch Mallol</i> Centro de Investigación en Biotecnología, UAEM</p> |
| 18:30 – 18:45 | <p>Esterase prospecting for pesticide degradation through the screening of a DNA library from activated sludge. <i>Ayixon Sánchez Reyes, Ramón Batista García1, Víctor González, Soledad Juárez and Jorge Luis Folch Mallol</i> Biotechnology Research Center. Laboratory of Molecular Biology of Fungi, UAEM</p> |

**X Congreso Nacional de Biología
Molecular y Celular de Hongos
P r o g r a m**

Oaxaca, Oax. October 27 – 31, 2013

| | |
|---------------|--|
| 18:45 – 19:00 | Antifungal activity of silver nanoparticles against <i>Candida albicans</i>. <i>Ernestina Castro-Longoria, Roberto Vázquez-Muñoz, Miguel Avalos-Borja</i> Departamento de Microbiología, CICESE |
| 19:15 – 20:15 | WORKSHOP II. Selected Posters |
| 20:15 – 21:15 | Plenary Talk VI. Chair: Alicia González <i>James Broach</i> Transcriptional Regulation of the Yeast Stress Response through a Dynamic Interplay of Signaling Networks. Department of Biochemistry and Molecular Biology, Penn State University |
| 21:15 – 21:45 | Final Announcements and Closing Ceremony |
| 22:00 – 24:00 | DINNER GUELAGUETZA |

All oral presentations will be held in the Mitla Room

All poster presentations will be held in the Tennis Area

**X Congreso Nacional de Biología
Molecular y Celular de Hongos
P r o g r a m**

Oaxaca, Oax. October 27 – 31, 2013

Odd Poster Presentation: Monday October 28th

Tennis Area

Even Poster Presentation: Wednesday October 30th

| | |
|------------|---|
| 1. | Establishment of <i>Fusarium solani</i> biofilm and differential protein expression analysis in two differentials states of growth. <i>Rosa Paulina Calvillo Medina</i> , María de los Ángeles Martínez Rivera, Aida Verónica Rodríguez Tovar and Victor M. Bautista de Lucio. Instituto de Oftalmología Fundación Conde de Valencia, Escuela Nacional de Ciencias Biológicas, IPN |
| 2. | Proteolitic activity comparision among entomopathogenic fungi <i>Isaria fumosoreosea</i> isolates from Mexico. <i>Anaid Penelope Solís-Hernández</i> , Judith Castellanos-Moguel. Universidad Autónoma Metropolitana |
| 3. | Analysis of <i>GDH3</i> glucose-repression in <i>Saccharomyces cerevisiae</i>. <i>Maritrini Colón-González</i> , Brisa Aranzazú Campos-Oliver, Cristina Aranda-Fraustro and Alicia González-Manjarrez. Instituto de Fisiología Celular, UNAM |
| 4. | Cloning of <i>cat-1</i> and expression in <i>E. coli</i>. <i>Isareli Cruz Cruz</i> , Wilhelm Hansberg Torres. Instituto de Fisiología Celular, UNAM |
| 5. | Study Molecular and Biochemical characterisation of gene <i>ICL</i> from <i>S. schenkii</i>. <i>Laura Cecilia González Sánchez</i> , José Bernardo Héctor Escobar Henrriquez, José de Jesús Daniel López Muñoz, María Teresa Croda Todd, Francisco Solís Páez, Claudia Belen Ortega Planell. Facultad de Bioanálisis, Universidad Veracruzana |
| 6. | Functional Divergence of Genes Implicated in the Leucine Biosynthesys in <i>Sacharomyces cerevisiae</i> and the Ancestor Type Yeast <i>Kluyveromyces lactis</i>. <i>Mijail Lezama</i> and Alicia González. Instituto de Fisiología Celular, UNAM |
| 7. | Studies on functional divergence between <i>Saccharomyces cerevisiae</i> <i>ALT1</i> and <i>ALT2</i> using <i>Kluyveromyces lactis</i> <i>KIALT1</i> and <i>Lachancea Kluyveri</i> <i>SkALT1</i> as ancestral type. <i>Ximena Martínez de la Escalera Fanjul</i> , Maritrini Colón González & Alicia González. Instituto de Fisiología Celular UNAM |
| 8. | <i>Ustilago maydis</i> as model of Ustilaginales to evaluate antifungal effects with chitosan and derivatives. <i>Dario Rafael Olicón Hernández</i> , Ana Niurka Hernández Lauzardo, Guadalupe Guerra Sánchez. Escuela Nacional de Ciencias Biológicas, IPN |
| 9. | Purification of hetero-oligomers of the isozymes <i>GDH1</i>, <i>GDH3</i> of <i>S. cerevisiae</i> and <i>GDH1</i> of <i>S. kluyveri</i>. <i>Edson Robles</i> , Mirelle Flores, Zeeshan Mutahir, Birgitte Munch-Petersen, Manuel Soriano, Jure Piskur, Alicia Gonzalez. Institute of Cell Fiosiology, National Autonomous University of Mexico/Molecular Cell Biology Unit, Lund University |
| 10. | <i>Ustilago maydis</i> has two plasma membrane H^+-ATPases related to fungi and plants. <i>Leobarda Robles Martínez</i> , Juan Pablo Pardo, Guadalupe Guerra Sánchez. Escuela Nacional de Ciencias Biológicas-IPN |
| 11. | Purification and characterization of <i>Alt1</i> and <i>Alt2</i> of <i>Saccharomyces cerevisiae</i>: Study of functional divergence in metabolism of alanine. <i>Rojas- Ortega Eréndira</i> , Gonzalez-Manjarrez Alicia. Instituto de Fisiología Celular, UNAM |

**X Congreso Nacional de Biología
Molecular y Celular de Hongos
P r o g r a m**

Oaxaca, Oax. October 27 – 31, 2013

| | |
|------------|--|
| 12. | Immunogenicity of the cell wall of <i>Sporothrix brasiliensis</i> and <i>S. globosa</i>. Estela Ruiz-Baca, Gustavo Hernández-Mendoza, Mayra Cuéllar-Cruz, Conchita Toriello, Norma Urtiz-Estrada, Aurora Martínez-Romero, Maribel Cervantes-Flores, Gerardo Alfonso Anguiano-Vega, Everardo López-Romero. Facultad de Ciencias Químicas, Universidad Juárez del Estado de Durango |
| 13. | Functional characterization of proteins encoded by <i>LkLEU4</i> and <i>LkLEU4BIS</i> of <i>Lachancea kluyveri</i> as a model of duplicated genes in ancestral type yeast that were selectively retained. Yusvel Sierra Gómez; Mijaíl Lezama Barquet; Geovani López Ortiz; Alicia González Manjarrez. Instituto de Fisiología Celular, UNAM |
| 14. | Biochemical characterization of the recombinant catalase-peroxidase from <i>Neurospora crassa</i> and four monofunctional mutants. Vanessa Vega García, Wilhelm Hansberg Torres. Instituto de Fisiología Celular, UNAM |
| 15. | Role of PARP/PARG [(Poly-ADP-ribosyl) polymerase/glycohydrolase] in the pathogenic fungus <i>Fusarium oxysporum f.sp. lycopersici</i>. Carlos A. Araiza-Cervantes, Nancy E. Lozoya-Perez, María Isabel González Roncero, Guadalupe Martínez Cadena, Georgina E. Reyna López. División de Ciencias Naturales y Exactas, Universidad de Guanajuato |
| 16. | Is the histidine kinase important for <i>Candida glabrata</i>? Natalee Carapia-Minero, María de los Ángeles Martínez Rivera, Néstor Octavio Pérez Ramírez y Aída V. Rodríguez-Tovar. Escuela Nacional de Ciencias Biológicas, IPN |
| 17. | ROS and cAMP signalling in <i>Neurospora crassa</i> conidation. Sammy I. Gutiérrez Terrazas, Wilhelm Hansberg. Instituto de Fisiología Celular, UNAM |
| 18. | Role of G-protein heterotrimeric α subunit in glucose sensing and cell differentiation in <i>Y. Lipolytica</i>. Huerta-Oros Joselina, Sifuentes-Gaspar Evelyn, Jiménez-Salas Zacarías, Campos-Góngora Eduardo. Universidad Autónoma de Nuevo León |
| 19. | The contribution of transcription factors NapA, SrrA and AtfA to the antioxidant response and cell differentiation in <i>Aspergillus nidulans</i>. Ariann Mendoza, Fernando Lara, Olivia Sánchez y Jesús Aguirre. Instituto de Fisiología Celular, UNAM |
| 20. | Roles of the MAPK cascade components NRC-1 and STE50 in <i>Neurospora crassa</i>. Miguel Ángel Sarabia Sánchez, Wilhelm Hansberg Torres. Instituto de Fisiología Celular, UNAM |
| 21. | Site-directed mutagenesis of the <i>Acremonium chrysogenum</i> <i>agal</i> gene to obtain constitutively active and inactive Agal Ga subunits. Eduardo Zúñiga León, Francisco Fierro Fierro, Jessica Y. Cruz Ramón, Francisco José Fernández. Universidad Autónoma Metropolitana |
| 22. | Growth of filamentous fungi on dibutyl phthalate and toxicity of its breakdown products shown on the basis bacterial growth. Ahuactzin Pérez M, Rodríguez-Pastrana BR, Soriano-Santos J, Díaz-Godínez G, Díaz R, Téllez-Téllez M and Sánchez C. Universidad Autónoma de Tlaxcala |
| 23. | qPCA: a scalable assay to measure the perturbation of protein–protein interactions in living cells. Francisco Torres-Quiroz, Luca Freschi, AlexandreDubé & Christian R Landry. Instituto de Fisiología Celular, UNAM |
| 24. | A role for Hof1p and the Dbf2p/Mob1p Mitotic Exit Network kinase as a sensor for the mitochondrial inheritance checkpoint. Leonardo Peraza Reyes, Pallavi Srivastava, David Crider, Istvan R. Boldogh and Liza A. Pon. Instituto de Fisiología Celular, UNAM |

**X Congreso Nacional de Biología
Molecular y Celular de Hongos
P r o g r a m**

Oaxaca, Oax. October 27 – 31, 2013

| | |
|------------|--|
| 25. | Isolation and identification of fungi able to degrade polyurethane. <i>Joyce Álvarez-Barragán</i> , Guillermo Aguilar-Osorio, Hermilo Leal-Lara, Martín Vargas-Suarez, Herminia Loza-Tavera. Facultad de Química, UNAM |
| 26. | In silico analysis of two new thermostable fungal xylanases (GH11) domains. <i>Zazil Yadel Escalante García</i> , Anne Gschaedler, Enrique Herrera, Lorena Amaya Delgado. CIATEJ AC. |
| 27. | Heterologous expression of the enzyme 3-hydroxy-3-methyl-glutaryl CoA reductase (HMGR) from <i>Candida glabrata</i>. <i>Dulce María-Andrade Pavón</i> , José Antonio-Ibarra and Cesar Hugo-Hernández- Rodríguez, Lourdes-Villa Tanaca. Escuela Nacional de Ciencias Biológicas, IPN |
| 28. | Effect of Chitosan Films and Thyme Essential Oil on Mycobiota and Biological Quality in Stored Corn. <i>María Guadalupe Arguijo Pérez</i> , María Cristina Julia Pérez Reyes, Gabriela Sánchez Hernández, Patricia Susana Miranda Castro. FES-Cuautitlán, UNAM |
| 29. | Bioleaching of Cr (VI) contaminated effluent and soil by fungi. <i>Juan José Becerra Rodríguez</i> , Georgina E. Reyna López. División de Ciencias Naturales y Exactas, Universidad de Guanajuato |
| 30. | Molecular identification of lead-tolerant rhizosphere fungi isolated from a polluted site. <i>Alma Delia Burciaga Monge</i> , Francisco Javier Zavala Díaz de la Serna, Guadalupe Virginia Nevárez Moorillón, María del Rosario Peralta Pérez. Facultad de Ciencias Químicas Universidad Autónoma de Chihuahua |
| 31. | Development of a methodology for the molecular detection of <i>Sclerotium cepivorum</i> in soils, based on the amplification of internal transcribed spacer sequences (ITS). <i>Alejandra Cortez Pérez</i> , Ramón Gerardo Guevara González. Facultad de Ciencias Naturales, Universidad Autónoma de Querétaro |
| 32. | Popcorn irradiation with UV-C light to control the nature mycobiota. <i>Anaid García Trejo</i> , María Cristina Julia Pérez Reyes, Claudia Hernández Aguilar, Flavio Arturo Domínguez Pacheco, Gabriela Sánchez Hernández, Carmen Liliana Rodríguez Páez, Ernesto Moreno Martínez. Facultad de Ciencias, UNAM |
| 33. | Mycelial growth and hyphal structure of edible mushrooms grown on di (2-ethyl-hexyl) phthalate. <i>Ángel González Márquez</i> , José Luis Torres García, Miriam Ahuactzin Pérez, Gerardo Díaz Godínez, Rubén Díaz Godínez, Carmen Sánchez Hernández. Centro de Investigación en Ciencias Biológicas, Universidad Autónoma de Tlaxcala |
| 34. | Production of extracellular xylanase produced by <i>Wickerhamia</i> sp. <i>Zahuiti Hernández-Montañez</i> , Daniel Chávez-Blancas, Eliseo Cristiani-Urbina, Griselda Chávez-Camarillo. ENCB-IPN |
| 35. | Evaluation of <i>Lentinula edodes</i> and <i>Pleurotus ostreatus</i> extracts as bioactive compounds antibacterial. <i>Perla Xochitl Hernández-Ramírez</i> , Armando Zepeda-Bastida, Deyanira Ojeda-Ramírez, Oscar Arce-Cervantes, Leticia-Romero Bautista and Maricela Ayala-Martínez. Universidad Autónoma del Estado de Hidalgo |
| 36. | Degradation of ligno cellulose by acellulolytic strains (C-) of <i>Pleurotus ostreatus</i>. <i>Hermilo Leal Lara</i> , Hilda Heredia Caamaño y Rebeca Ramírez Carrillo. Facultad de Química, UNAM |
| 37. | Production of lipolytic activity by the thermophilic fungus <i>Chaetomium</i> sp. using different carbon sources. <i>Brenda Anabel López- Ruiz</i> , Alejandro Santiago- Hernández, María Eugenia Hidalgo- Lara. CINVESTAV, IPN |

**X Congreso Nacional de Biología
Molecular y Celular de Hongos
P r o g r a m**

Oaxaca, Oax. October 27 – 31, 2013

| | |
|------------|---|
| 38. | Isolation, identification and phenotypic characterization of yeast obtained from mine tailings of Zacatecas, Mexico. <i>Zeltzin Magaña-García</i> , Lily Xochitl Zelaya-Molina, Alfredo Patiño-Siciliano, Lourdes Villa-Tanaca, César Hernández- Rodríguez. Escuela Nacional de Ciencias Biológicas, IPN |
| 39. | Heterologous expression of a lipase gene from the basidiomycete fungus <i>Bjerkandera adusta</i> UAMH 8525 in <i>Pichia pastoris</i>. <i>Catalina Morales-Herrera</i> , Ayixon Sánchez-Reyes, Laura I. Cuervo-Soto y Jorge L. Folch-Mallol. Centro de Investigación en Biotecnología, Universidad Autónoma del Estado de Morelos |
| 40. | Functional analysis of <i>arg2</i> gene encoding the small subunit of carbamoyl-phosphate synthetase and its usefulness as a selection marker in <i>Trichoderma atroviride</i>. <i>Omar Nieves Ugalde</i> , Fidel Landeros Jaime, José Antonio Cervantes Chávez y Edgardo Ulises Esquivel Naranjo. Facultad de Ciencias Naturales, Universidad Autónoma de Querétaro |
| 41. | Production of INVA and INVB invertases from <i>Zymomonas mobilis</i> in <i>Pichia pastoris</i>, under the control of AOX1 and GAP1 promoters. <i>Ara Itzel Pérez de los Santos-Mondragón</i> ; Ángeles Calixto-Romo; José Alejandro Santiago-Hernández, Florina Ramírez-Vivez, Víctor Eric López y López and María Eugenia Hidalgo-Lara. CINVESTAV, IPN |
| 42. | Sanitary Quality of Nixtamalized Masses with Nejayote. <i>María Cristina Julia Pérez Reyes</i> , Ninel Amparo Flores Saldaña, Priscilla Villagran Ortíz, Gabriela Sánchez Hernández, Yazmín Yael López Ramírez y María del Carmen Valderrama Bravo. FES-Cuautilán, UNAM |
| 43. | Transformants of <i>A. rouxii</i>, an option for increase tyrosinase activity. <i>Angelica Patricia Ramos Puebla</i> , José Francisco Fierro Fierro, <i>Horacio Reyes Araceli Tomasini</i> Campocoso. Universidad Autónoma Metropolitana, Unidad Iztapalapa |
| 44. | Biodegradation of lignocellulosic materials by solid state cultures of two strains of the fungus <i>Penicillium</i>. <i>Eduardo Rodríguez-Bustamante</i> , Andrea S. Callejas-Iberri, Santiago J. Carreto Castro, Luis Miguel Gallardo-Roldán y Roberto Arreguín-Espinosa. Instituto de Química, UNAM |
| 45. | Functional analysis of <i>pyr4</i> gene encoding orotidine-5'-monophosphate decarboxylase and its usefulness as a selectable marker in <i>Trichoderma atroviride</i>. <i>Erick Rojas Espinosa</i> , Fidel Landeros Jaime, José Antonio Cervantes Chávez y Edgardo Ulises Esquivel Naranjo. Facultad de Ciencias Naturales, Universidad Autónoma de Querétaro |
| 46. | Study of phenoloxidases, proteases and peroxidases in <i>Rhizopus oryzae</i> ENHE. <i>Ruiz Badillo Arianna</i> ; Fernández Perrino Francisco José1; León Santiesteban Hécto Hugo; Tomasini Campocoso Araceli. Universidad Autónoma Metropolitana-Iztapalapa |
| 47. | Extracellular β-glucosidase activity from the thermophilic fungus <i>Corynascus sepedonium</i>. <i>Lourdes Viridiana Soto-Robles</i> , Alejandro Santiago-Hernández, María Eugenia Hidalgo-Lara. CINVESTAV, IPN |
| 48. | Heterologous expression of a protein with amorphenetic activity on cellulose from <i>Bjerkandera adusta</i> in <i>Arabidopsis thaliana</i> plants. <i>Irán Tapia Vázquez</i> , Ramón Suárez Rodríguez and Jorge Luis Folch Mallol. Centro de Investigación en Biotecnología, Universidad Autónoma del Estado de Morelos |
| 49. | Radial growth rate, biomass and cellular ultrastructure of the vegetative phase of fungi filamentous grown on di octil phthalate isolated from a paper industry. <i>José Luis Torres García</i> , Adriana Madrid Ramírez, Miriam Ahuactzin Pérez, Gerardo Díaz Godínez, Rubén Díaz Godínez, Carmen Sánchez. Universidad Autónoma de Tlaxcala |

**X Congreso Nacional de Biología
Molecular y Celular de Hongos
P r o g r a m**

Oaxaca, Oax. October 27 – 31, 2013

| | |
|------------|--|
| 50. | Analysis of the overexpression of the <i>TRX1</i> gene and the deletion of <i>ATH1</i> gene in the production of dry active yeast. <i>Alfredo Valadez Cedillo</i> , Gloria Angélica González Hernández, Adriana García Tapia, Araceli López Andrade, Juan Carlos Torres Guzmán. División de Ciencias Naturales y Exactas. Universidad de Guanajuato |
| 51. | Hyphomycetes endophytes of <i>Taxus globosa</i> Schltdl. antagonists of <i>Fusarium</i> sp. and <i>Alternaria</i> sp. phytopathogenics of <i>Capsicum annuum</i> L. <i>Romalda Vásquez Gutiérrez</i> , Felipe de Jesus Palma Cruz, Lucia Martínez Martínez and Claudia López Sánchez. Technologic Institute of Oaxaca., Autonomus University Benito Juárez of Oaxaca |
| 52. | Regulation and function of NADPH oxidases in polarized growth and cell fusion in <i>Neurospora crassa</i>. <i>Cano-Domínguez Nallely</i> , Ernestina Castro-Longoria, Alexander Lichius and Jesús Aguirre. Centro de Investigación Científica y de Educación Superior de Ensenada |
| 53. | “In vivo” analysis of the transcriptional expression of the telomerase reverse-transcriptase gene in <i>Ustilago maydis</i>. <i>José Alfredo Jiménez-Valdéz</i> , Pavel Sierra-Martínez, Candelario Vázquez Cruz, Estela Anastacio-Marcelino, Ma. Patricia Sánchez-Alonso. Instituto de Ciencias, Benemérita Universidad Autónoma de Puebla |
| 54. | Growth of the colony of <i>pleurotus ostreatus</i> grown on di (2-ethylhexyl) phthalate: fractal dimensión and biochemical analysis. <i>Nerit Montiel Martínez</i> , José Luis Torres García, Brenda H Camacho Díaz, Gustavo F Gutiérrez López, Rubén Díaz Godínez, Maura Téllez Téllez, Gerardo Díaz Godínez y Carmen Sánchez. Universidad Autónoma de Tlaxcala |
| 55. | Diagnosis and molecular characterization poisoning using gender <i>amanita</i> ITS3 E ITS4 sequence of <i>candida</i> sp. <i>Diana Matías Pérez</i> , Marytrini García Ramírez, Iván Antonio García Montalvo, Gabriel Mayoral Andrade, Eduardo Pérez Campos. Laboratorio de Patología Clínica “Dr. Eduardo Pérez Ortega” |
| 56. | <i>Neurospora crassa</i> catalase-3 catalytic and C-terminal domains: an <i>in vitro</i> assay. <i>Teresa Nava Ramírez</i> , Pablo Rangel Silva, Wilhelm Hansberg. Instituto de Fisiología Celular, UNAM |
| 57. | The chromatin modifying enzymes HOS-2 and SET-5 are involved in development and response to light in <i>Trichoderma atroviride</i>. <i>Macario Osorio Concepción</i> , J. Sergio Casas Flores. Instituto Potosino de Investigación Científica y Tecnológica AC. |
| 58. | The adenylate-forming enzyme AfeA regulates asexual development in <i>Aspergillus nidulans</i>. <i>Olivia Sánchez</i> , Gabriela Soid-Raggi and Jesús Aguirre. Instituto de Fisiología Celular, UNAM |
| 59. | Growth of the mycelial and reproductive phases of <i>pleurotus ostreatus</i>: biochemical analysis and cellular ultrastructure. <i>José Luis Suárez Segundo</i> , José Luis Torres García, José David Sepulveda Sánchez, Sergio Huerta Ochoa, Gerardo Díaz Godínez, Maura Téllez Téllez, Rubén Díaz Godínez, Carmen Sánchez. Centro de Investigación en Ciencias Biológicas, Universidad Autónoma de Tlaxcala |
| 60. | RAS-1 function during growth and differentiation of <i>Neurospora crassa</i>: effect of cysteine substitutions. <i>Itzel A. Vargas-Pérez</i> , Sammy I. Gutiérrez Terrazas, Wilhelm Hansberg Torres. Instituto de Fisiología Celular, UNAM |
| 61. | Characterization of the Δaps-2 mutant in <i>Neurospora crassa</i>. <i>Fausto Martín Villavicencio Aguilar</i> , Olga Alicia Callejas Negrete and Rosa Reyna Mouriño Perez. Centro de Investigación Científica y Educación Superior de Ensenada |

**X Congreso Nacional de Biología
Molecular y Celular de Hongos
P r o g r a m**

Oaxaca, Oax. October 27 – 31, 2013

| | |
|------------|---|
| 62. | Simultaneous expression of mating type information a and alpha in <i>Candida glabrata</i>, confers susceptibility to oxidative stress. <i>Karina Asyade Robledo Márquez</i> , Irene Castaño Navarro. División de Biología Molecular, IPICYT |
| 63. | Germplasm of strain fungus “COBIOCH-UAEM” of the Center of Biological Investigations, (biological and genetic resources of México). <i>Isaac Tello Salgado</i> , Elizur Montiel Arcos y Daniel Martínez Carrera. Centro de Investigaciones Biológicas, Laboratorio de Micología, Universidad Autónoma del Estado de Morelos. |
| 64. | In search of putative glutathione transporter in <i>Candida glabrata</i>. <i>Alvarado Rodríguez Gloria Guadalupe</i> , Gutiérrez Escobedo María Guadalupe y De Las Peñas Nava Alejandro. Instituto Potosino de Investigación Científica y Tecnológica |
| 65. | Role of the Atf1 transcription factor to different kinds of stress in <i>Trichoderma atroviride</i>. <i>Víctor Alejandro Correa Pérez</i> y Edgardo Ulises Esquivel Naranjo. FCN, UAQRO |
| 66. | Functional Characterization of the MAPKK Pbs2 in <i>Trichoderma atroviride</i>. <i>Jorge Luis Parra Arriaga</i> , Fidel Landeros Jaime, José Antonio Cervantes Chávez y Edgardo Ulises Esquivel Naranjo. Facultad de Ciencias Naturales, Universidad Autónoma de Querétaro |
| 67. | Physiological analysis of an acatalasemic <i>Saccharomyces cerevisiae</i> complemented with the catalases from the euryhaline yeast <i>Debaryomyces hansenii</i>. <i>Ángel García-Campos</i> , Román Castillo-Díaz, Diego Noriega, Mónica Ramírez-Hernández, Viviana Escobar, Víctor Valdés-López, Luisa Alba-Lois, Claudia Segal-Kischinevzky. Facultad de Ciencias, UNAM |
| 68. | Fluconazole resistance in <i>gsh1Δpro2-4</i> mutant of <i>Candida glabrata</i>. <i>Ma. Guadalupe Gutiérrez Escobedo</i> , Alejandro De las Peñas Nava, Irene Beatriz Castaño Navarro. Instituto Potosino de Investigación Científica y Tecnológica |
| 69. | Functional heterologous complementation of <i>Atps2</i> <i>Ustilago maydis</i> mutants impaired in the synthesis of trehalose. <i>Edda Hurtado Santiago</i> , Edgardo Ulises Esquivel Naranjo, Fidel Landeros Jaime, José Antonio Cervantes Chávez and José Ruiz-Herrera. Facultad de Ciencias Naturales, Universidad Autónoma de Querétaro |
| 70. | Elucidating the role of the hydrolysis of intracellular trehalose in <i>ustilago maydis</i>’ physiology. <i>Alonso López-Cabrera</i> , Laura Valdés-Santiago, Claudia Geraldine León-Ramírez, Ulises Esquivel Naranjo, José Ruiz-Herrera and José Antonio Cervantes-Chávez. Facultad de Química, Universidad Autónoma de Querétaro |
| 71. | ROS accumulation in idiophase and its relationship with lovastatin biosynthesis in <i>Aspergillus terreus</i>. <i>Roxana U. Miranda</i> , Francisco Fierro, Luis Enrique Gómez-Quiroz and Javier Barrios-González. Universidad Autónoma Metropolitana |
| 72. | Study of colonization of <i>Arabidopsis thaliana</i> plants by <i>Trichoderma atroviride</i> expressing a <i>Coriolopsis gallica</i> laccase. <i>Denise Lizeth Aceves Zamudio</i> , Edgar Balcázar López Marcela Ayala Aceves y Jorge Luis Folch Mallol. Centro de Investigación en Biotecnología, UAEM |
| 73. | Over expresion of the <i>swol</i> gene in <i>Trichoderma atroviride</i> and evaluation of the micoparasitic activity of the transformants strains. <i>Karina Atriztán-Hernández</i> , Edgar Balcázar-López, Alfredo Herrera-Estrella, Jorge Luis Folch-Mallol. Facultad de Ciencias Biológicas, Universidad Autónoma del Estado de Morelos |
| 74. | Phylogenetic analyses of endoxylanases from <i>Colletotrichum</i> sp. <i>Ulises Conejo-Saucedo</i> , Horacio Cano-Camacho, Everardo López-Romero, Alicia Lara-Márquez, Maria Guadalupe Villa Rivera, María G. Zavala-Páramo. Centro Multidisciplinario de Estudios en Biotecnología, Universidad Michoacana de San Nicolás de Hidalgo |

**X Congreso Nacional de Biología
Molecular y Celular de Hongos
P r o g r a m**

Oaxaca, Oax. October 27 – 31, 2013

| | |
|------------|--|
| 75. | In depth transcriptome analysis of <i>Trichoderma spp.</i>-<i>Arabidopsis thaliana</i> –interaction <i>Magnolia Estrada-Rivera</i> , Miguel A. Hernández-Oñate, José de Jesús Gallardo-Negrete, Alfredo Herrera-Estrella and Sergio Casas-Flores. División de Biología Molecular, IPICYT |
| 76. | Study of Cultivable Fungi Associated with Rihzospher of <i>Pinus Chiapensis</i>. <i>Silvia María del Carmen García García</i> , Cristina Domínguez Castillo, Marcos Flores Encarnación, Dolores Castañeda Antonio, Francisco Bersain Moreno Luna, Ricardo Carreño López, Ricardo Munguía Pérez Centro de Investigaciones en Ciencias Microbiológicas, Benemérita Universidad Autónoma de Puebla |
| 77. | MAPKs mediating the capacity of biocontrol in <i>Trichoderma atroviride</i> MAPKs: mediadoras de la capacidad biocontroladora de <i>Trichoderma atroviride</i>. <i>Rosa Laura Hernández-Fuerte</i> , Emma Beatriz Hernández-Beltrán and Alfredo Herrera-Estrella. CINVESTAV-Irapuato, IPN |
| 78. | <i>Fusarium</i> species infecting maize in Sinaloa, Mexico. <i>Karla Y. Leyva-Madrigal</i> , Claudia P. Larralde Corona, Ignacio E. Maldonado-Mendoza. Centro Interdisciplinario de Investigación para el Desarrollo Integral Regional, IPN |
| 79. | Aggressiveness of <i>Gibberella fujikuroi</i> isolates on maize seedlings. <i>Karla Y. Leyva-Madrigal</i> , Claudia P. Larralde Corona, Ignacio E. Maldonado-Mendoza. Centro Interdisciplinario de Investigación para el Desarrollo Integral Regional, IPN |
| 80. | Search of the gene coding for the histidine kinase (<i>HK</i>) protein of the nematophagous fungus <i>Pochonia chlamyosporia</i> var. <i>mexicana</i>. <i>María Gabriela Medina-Canales</i> , Gerardo Zúñiga, Rosa Helena Manzanilla-López, Alejandro Tovar-Soto, and Aída Verónica Rodríguez-Tovar. Escuela Nacional de Ciencias Biológicas, IPN |
| 81. | Mutation of gene <i>Swo1</i> of fungus <i>Trichoderma atroviride</i> and evaluation of its mycoparasitic activity against pathogenic fungi. <i>Richa Mehta</i> , Edgar Balcázar Lopés, Karina Atriztán Hernández y Jorge Luis Folch Mallol. Centro de Investigación en Biotecnología, Universidad Autónoma del Estado de Morelos |
| 82. | Potentially pathogenic yeasts in the nostril of volunteers and outdoors at the Universidad Autónoma Metropolitana Unidad Xochimilco. <i>Arturo Miranda Calixto</i> , Raúl Venancio Díaz Godoy, Judith Castellanos Moguel. UAM - Unidad-Xochimilco |
| 83. | Methyl jasmonate restores the effect of root silencing of PvLOX2 on mycorrhiza induced resistance in common bean leaves. <i>Arlene Mora-Romero</i> , Alejandra González-Ortiz, Sergio Medina-Godoy, Lauro Cervantes-Chávez, Quiroz-Figueroa, Francisco, María del Carmen Martínez-Valenzuela, Melina López Meyer. CIIDIR, IPN/ Instituto de Investigación en Ambiente y Salud, Universidad de Occidente |
| 84. | Identification of entomopathogenic fungi from Queretaro State to control maize pests. <i>Joel Acis Mosqueda Anaya</i> , Fidel Landeros Jaime, Santiago Vergara Pineda, José Antonio Cervantes Chávez, Edgardo Ulises Esquivel Naranjo. Facultad de Ciencias Naturales, Universidad Autónoma de Querétaro |
| 85. | Biochemical mechanism involved in the onion growth promotion and control of <i>Alternaria porri</i> and <i>Sclerotium rolfsii</i> by <i>Trichoderma</i>. <i>Gilberto Ortega García</i> , Valeria Camacho Luna, Roberto Montes Belmont, Gabriela Sepúlveda Jiménez. Centro de Desarrollo de Productos Bióticos, IPN |
| 86. | Characterization of the cell wall and its role in the innate immune response against <i>Candida parapsilosis</i>. <i>Luis Antonio Pérez-García</i> , Attila Gácser, Eine Estrada-Mata, Mercedes Guadalupe López-Pérez, Arturo Flores-Carreón, Héctor Manuel Mora-Montes. División de Ciencias Naturales y Exactas, Universidad de Guanajuato |

**X Congreso Nacional de Biología
Molecular y Celular de Hongos
P r o g r a m**

Oaxaca, Oax. October 27 – 31, 2013

| | |
|-----|--|
| 87. | Comparison of abundance and infectivity of Arbuscular Micorrhizal Fungi isolated of two different zones of Tlaxcala, Mexico. Carolina Pérez Morales, Martha Bibbins Martínez, Miguel Ángel Villalobos López. CIBA, IPN |
| 88. | Identification of fungi associated with avocado scab. Juan Enrique Pérez Reséndiz, Fidel Landeros Jaime, José Antonio Cervantes Chávez y Edgardo Ulises Esquivel Naranjo. Facultad de Ciencias Naturales, Universidad Autónoma de Querétaro |
| 89. | Structural and molecular analysis of biofilm formation <i>in vitro</i> by <i>Aspergillus fumigatus</i>-<i>Staphylococcus aureus</i>. Adrián Ramírez Granillo, María Gabriela Medina Canales, María de los Ángeles Martínez Rivera, Victor Manuel Bautista de Lucio, Aída Verónica Rodríguez Tovar. Escuela Nacional de Ciencias Biológicas-IPN |
| 90. | The relevance of the cell wall in the immune sensing of <i>Candida parapsilosis</i>, <i>C. orthopsilosis</i> and <i>C. metapsilosis</i> by human mononuclear cells. Vianney Ramírez-Vargas, María de Jesús Navarro-Arias and Héctor Manuel Mora-Montes. Departamento de Biología, Universidad de Guanajuato |
| 91. | Phenotypic characterization of the phytopathogenic fungi <i>Fusarium temperatum</i> and construction of a chimeric vector for the interruption of the histidine kinase gen. Karen F. Robles-Barrios, Aída V. Rodríguez-Tovar y Néstor O. Pérez-Ramírez. ENCB, IPN |
| 92. | Antifungal and phytotoxic activity of endophytic fungi from <i>Gliricidia sepium</i> (Fabaceae). Rosa Elvira Sánchez Fernández, Mónica Flores Reséndiz, Sergio Sánchez Esquivel, Martha Lydia Macías-Rubalcava. Instituto de Química, UNAM |
| 93. | Gene expression of <i>glx-I</i> in coleoptiles from maize “resistant to aflatoxin contamination”. Sánchez-Medina M.A., Coconi-Linares, L.N., Pina-Canseco M.S., Pérez-Santiago A.D., Guzmán-Ortíz D.A. Instituto Tecnológico de Oaxaca |
| 94. | Biological evaluation of endophytic fungus PB3f isolated from <i>Haematoxylon brasiletto</i> (fabaceae). Brenda Lorena Sánchez Ortiz, Martha Lydia Macías-Rubalcava. Instituto de Química, UNAM |
| 95. | Effect of <i>Trichoderma</i> and <i>Bacillus</i> on the content of phenolic compounds and flavonoids, and antioxidant activity of onion. Gabriela Sepúlveda-Jiménez, Jorge Humberto Betanzos-Rodríguez, Alma Rosa López-Laredo. Centro de Desarrollo de Productos Bióticos, IPN |
| 96. | Genetic characterization of ant associated <i>Ophiocordyceps</i>. Vallejo Camarena Mariana, Hernández Miguel, Cibrian Jaramillo Angélica, Herrera Estrella Alfredo, Janda Milan. CINVESTAV-Irapuato, IPN |
| 97. | Expression analyses of an endo-β-(1-6)-D-galactanase gene in two races of <i>Colletotrichum lindemuthianum</i> with different life style. María Guadalupe Villa Rivera, María Guadalupe Zavala Páramo, Ulises Conejo Saucedo, Everardo López Romero, Alicia Lara Márquez, Horacio Cano Camacho. Centro Multidisciplinario de Estudios en Biotecnología, Universidad Michoacana de San Nicolás de Hidalgo |
| 98. | Multilocus analysis of <i>Histoplasma capsulatum</i> associated with six molecular markers. Tania Vite-Garín, Daniel Estrada-Bárceñas, Gabriela Rodríguez-Arellanes, Antonio Ramírez-Bárceñas, María Lucia Taylor. Facultad de Medicina, UNAM |
| 99. | Participation of Effector-Like Proteins in the Establishment of the Biological Relationship of <i>Trichoderma</i> – <i>Arabidopsis</i>. Vianey Olmedo-Monfil, Alfredo Herrera-Estrella, Mario Iván Alemán-Duarte, Paulina Guzmán-Guzmán, Claudia Ramírez-Valdespino, Ma. Daniela Porrás-Troncoso. Departamento de Biología, DCNE, Universidad de Guanajuato |

**X Congreso Nacional de Biología
Molecular y Celular de Hongos
P r o g r a m**

Oaxaca, Oax. October 27 – 31, 2013

| | |
|-------------|--|
| 100. | Construction of a Bacterial Artificial Chromosome (BAC) Genomic Library for Physical Mapping and Genome Sequence Validation of a Brewing Yeast. <i>Gómez-Muñoz Cintia</i> , Riego-Ruiz Lina, Damas-Buenrostro Luis. IPICYT |
| 101. | Functional characterization of <i>Candida tropicalis</i> MNN4 and OCH1. <i>Hernández-Chávez Marco J</i> , Mora-Montes Hector M. Departamento de Biología, Universidad de Guanajuato |
| 102. | Analysis of nitrogen catabolite repression in <i>Lachancea kluyveri</i>. <i>Jiménez Benítez José Ángel</i> y Riego Ruiz Lina Raquel. División de Biología Molecular, Instituto Potosino de Investigación Científica y Tecnológica |
| 103. | Isolation and functional characterization of <i>Sporothrix schenckii</i> OCH1. <i>Nancy E. Lozoya-Pérez</i> and Héctor M. Mora-Montes. Departamento de Biología, Universidad de Guanajuato |
| 104. | Cellular localization and gene transcriptional regulation have a role on the functional divergence of <i>Saccharomyces cerevisiae</i> Bat1 and Bat2 isozymes. <i>Javier Montalvo-Arredondo</i> , José Ángel Jiménez-Benítez, Maritrini Colón-González, Alicia González-Manjarrez, Lina Raquel Riego-Ruiz. Instituto Potosino de Investigación Científica y Tecnológica |
| 105. | The GATA type factor Gln3 is involved in nitrogen uptake in the yeast <i>Candida glabrata</i> <i>Francisco Javier Pérez de los Santos</i> and Lina Raquel Riego Ruiz. División de Biología Molecular, Instituto Potosino de Investigación Científica y Tecnológica. |
| 106. | Functional characterisation <i>Candida tropicalis</i> MNN4. <i>Martha M. Rangel Sosa</i> , Marco J. Hernández-Chávez and Héctor M. Mora-Montes. Universidad Autónoma de Aguascalientes |
| 107. | The Pep4Um vacuolar proteinase is involved in morphogenesis and pathogenesis of <i>Ustilago maydis</i>. <i>Cinthia V. Soberanes-Gutiérrez.</i> , Melissa Vázquez-Carrada., Claudia León-Ramírez., José Ruiz-Herrera and Lourdes Villa-Tanaca. Escuela Nacional de Ciencias Biológicas, IPN |
| 108. | Functional characterization of three mannosyltransferases of <i>Saccharomyces cerevisiae</i>. <i>Nahúm Valente Hernández</i> , Héctor Manuel Mora Montes. División de Ciencias Naturales y Exactas, Universidad de Guanajuato |
| 109. | <i>In silico</i> analysis and expression profile of <i>Candida albicans</i> yeast glucanases. <i>César Isaac Bazán Méndez</i> and Juan Pedro Luna-Arias. CINVESTAV, IPN |
| 110. | Transcriptional regulation of <i>GDH3</i> in glucose grown-cultures of <i>Saccharomyces cerevisiae</i>. <i>Brisa Aranzazú Campos-Oliver</i> , Maritrini Colón-González, José Carlos Campero-Basaldúa, Cristina Aranda-Fraustro and Alicia González-Manjarrez. Instituto de Fisiología Celular. Universidad Nacional Autónoma de México |
| 111. | The <i>Trichoderma atroviride</i> photolyase-encoding gene is transcriptionally regulated by non-canonical light response elements. <i>Mayte Guadalupe Cervantes-Badillo</i> , Tania Muñoz-Centeno, Edith Elena Uresti-Rivera, Gerardo Rafael Argüello-Astorga, Sergio Casas-Flores. División de Biología Molecular, Instituto Potosino de Investigación Científica y Tecnológica |
| 112. | Expression divergence of <i>BAT1</i> and <i>BAT2</i> <i>Saccharomyces cerevisiae</i> paralogous genes determines their functional diversification. <i>James E. González Flores</i> , Juan C. Martínez Morales and Alicia González Manjarrez. Instituto de Fisiología Celular, UNAM |
| 113. | <i>GDH1-GDH3</i> Paralogus Genes Show Divergent Transcriptional Regulation in <i>Saccharomyces cerevisiae</i>. <i>Alan Anuart González Rangel</i> , Cristina Aranda and Alicia González. Instituto de Fisiología Celular, UNAM |

**X Congreso Nacional de Biología
Molecular y Celular de Hongos
P r o g r a m**

Oaxaca, Oax. October 27 – 31, 2013

| | |
|-------------|--|
| 114. | Dosage matters: Revealing the fitness effects of experimental gene duplication. <i>Diana I. Ascencio & Alexander de Luna.</i> LANGEBIO CINVESTAV-IPN. Unidad Irapuato |
| 115. | Regulatory divergence in paralogous genes <i>ALT1</i> and <i>ALT2</i> in <i>Saccharomyces cerevisiae</i>. <i>Dariel Márquez Gutiérrez</i> and M. Alicia González Manjarrez. Instituto de Fisiología Celular, UNAM |
| 116. | Inhibition of local silencing increases the resistance of <i>Candida glabrata</i> to fluconazole and oxidative stress. <i>Emmanuel Orta-Zavalza,</i> Gehenna Guerrero-Serrano, Ma Guadalupe Gutiérrez-Escobedo, Israel Cañas-Villamar, Jacqueline Juárez-Cepeda, Irene Castaño and Alejandro De Las Peñas. División de Biología Molecular, Instituto Potosino de Investigación Científica y Tecnológica |
| 117. | <i>Aspergillus terreus</i> higher lovastatin production in solid-state Fermentation correlates with higher expression of genes <i>laeA</i> and <i>lovE</i>. <i>Teresa Pérez-Aguirre,</i> Armando Ordaz-Hernández y Javier Barrios-González. Universidad Autónoma Metropolitana |
| 118. | Lovastatin production, ROS accumulation and sporulation in <i>Aspergillus terreus</i> with a silenced gene <i>Atyap1</i>. <i>Ailed Pérez S,</i> Esmeralda Bibian L, Roxana Miranda U, Armando Mejía A, Javier Barrios-González. Universidad Autónoma Metropolitana Unidad Iztapalapa |
| 119. | Regulation of the expression of the acidic ribosomal proteins in <i>Saccharomyces cerevisiae</i>. <i>Juan Ismael Rea Hernández</i> y Samuel Zinker Ruzal. CINVESTAV, IPN |
| 120. | Analysis of <i>xyl3</i> gene expression in <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> strains. <i>María Alejandra Reyes Medina,</i> Karla Lizbeth Macías Sánchez. Unidad Profesional Interdisciplinaria de Ingeniería, IPN |
| 121. | Quantitative expression analysis in <i>Sporothrix schenckii</i>: identifying constitutively expressed genes for data normalization. <i>José Elías Trujillo Esquivel,</i> José Asunción Martínez Álvarez, Patricia Ponce Noyola and Héctor Manuel Mora Montes. Departamento de Biología, Universidad de Guanajuato |
| 122. | Expression analysis of information contained in the <i>Candida glabrata</i> <i>MTL</i> loci: Possible heterodimeric molecules <i>a1/alpha2</i>, <i>a1/alpha3</i> and <i>a1/alpha4</i>. <i>Patricia Yáñez Carrillo</i> e Irene Castaño Navarro. División de Biología Molecular, Instituto Potosino de Investigación Científica y Tecnológica |
| 123. | Recombinant Expression of an immunodominant antigen from <i>Mycobacterium tuberculosis</i> in <i>Pichia pastoris</i>. <i>Daniel Juárez López,</i> Mauricio Alberto Trujillo Roldán, Norma Adriana Valdez Cruz. Instituto de Investigaciones Biomédicas, UNAM |
| 124. | Caracterización de los genes de <i>Kluyveromyces marxianus</i> involucrados en la producción del 2-feniletanol mediante la Vía de Ehrlich. <i>Ortega-Domínguez CI,</i> Rutiaga-Quñones OM, Aréchiga-Carvajal ET, Rojas-Contreras A, Soto-Cruz NO. Instituto Tecnológico de Durango |