

3rd BIOTECHNOLOGY SUMMIT

OCTOBER 24-28, 2016
CIUDAD OBREGON, SONORA, MEXICO

CERTIFICATE TO

Estefania del Carmen Urdiana Arteaga, Juan Miguel Escorcía Rodríguez,
Ariana Arlene Huerta Heredia, Areli del Carmen Ortega Martínez, Benoit
Fouconnier, Patricia Pavón Orozco

For the poster presentation “**Chemical and enzymatic pretreatment evaluation on the steviosides extraction from *Stevia rebaudiana***” in the 3rd Biotechnology Summit 2016.

October 24th to 28th, 2016. Cd. Obregón, Sonora, México.

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Juan Carlos Sánchez-Rangel, Carlo Jurado-Gómez, Gilberto Manzo-Sánchez,
Miguel Ángel-Barreto Torres, Jaime Molina-Ochoa, Wilberth Chan-Cupul

For the poster presentation “**Biocontrol of damping-off diseases in *Carica papaya* (Linnaeus) seedlings under greenhouse conditions using *Trichoderma* spp.**” in the 3rd Biotechnology Summit 2016.

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Cristóbal Toscano-Chagoya, Wilberth Chan-Cupul, Gilberto Manzo-Sánchez, Salvador Guzmán-González, Herminia Alejandra Hernández-Ortega, Javier

For the poster presentation “**Solubilization of inorganic phosphates by soil borne micromycetes isolated from the rhizosphere of *Coffea arabica* plants**” in the 3rd Biotechnology Summit 2016.

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Selvia García-Mayagoitia, Francisco Javier Rodríguez-Varela, Fabián Fernández-Luqueño, Diana MoralesAcosta

For the poster presentation **“Biofilms formed in different carbonaceous materials used as anodes for microbial fuel cells (MFC)”** in the 3rd Biotechnology Summit 2016.

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César Roberto Sarabia-Castillo, Fabián Fernández-Luqueño

For the poster presentation “TiO₂, ZnO, and Fe₂O₃ nanoparticles effect on Rhizobium leguminosarum - Pisum sativum L. symbiosis” in the 3rd Biotechnology Summit 2016.

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Juan Nápoles Armenta, Celestino García Gómez, Juan Antonio Vidales Contreras, Ethel Mizarahi Fiel Martínez, Pablo Gortáres Moroyoqui

For the poster presentation **“Simultaneous removal of carbamazepine and ibuprofen by electrooxidation using Ti/PbO₂ anode”** in the 3rd Biotechnology Summit 2016.

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Gerardo Díaz-Godínez, Luis Felipe Candia-Sanchez, Rubén Díaz, Carmen Sánchez, Elba Villegas, Gabriela Monroy, Víctor Manuel Hernández Velázquez

For the poster presentation “**Activity of lipases, chitinases and proteases of the entomopathogenic fungus, *Metarhizium anisopliae* developed in different culture media**” in the 3rd Biotechnology Summit 2016.

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For the poster presentation “TiO₂, ZnO, and Fe₂O₃ nanoparticles effect on *Bradyrhizobium japonicum*-*Glycine max* [L.] Merr. symbiosis” in the 3rd Biotechnology Summit 2016.

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Abril Gómez-Guzmán, Sergio Jiménez-Magaña, Aracely Suggey Guerra-Rentería, César Gómez-Hermosillo, F. Javier Parra-Rodríguez, Orfil González-Reynoso

For the poster presentation “**Evaluation of consortia microalgae-bacteria for the treatment of municipal wastewater effluents**” in the 3rd Biotechnology Summit 2016.

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Luis Fernando Zepeda Giraud, Darío Rafael Olicón Hernandez, María Guadalupe Guerra Sánchez

For the poster presentation “**Study of the action mode of *Wickerhamomyces anomalus* against *Colletotrichum gloeosporioides*”** in the 3rd Biotechnology Summit 2016.

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Gilbert José Herrera Cool, Guadalupe López Puc, Ingrid Mayanin Rodríguez Buenfil, Alberto Uc Vázquez, Luis Alberto Mota Narváez, Eddy de Jesús

For the poster presentation “Organogenesis in vitro of *Jatropha curcas* variety AL JC01 obtained from a plantation in Sucilá, Yucatan” in the 3rd Biotechnology Summit 2016.

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Aracely Suggesty Guerra Renteria, Orfil González Reynoso, César Gómez

For the poster presentation “Symbiotic interaction study between *Chlorella vulgaris* and *Pseudomonas aeruginosa* through the use of metabolic extreme pathways” in the 3rd Biotechnology Summit 2016.

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Alma Rosa Díaz Hervet, Fabricio Espejel Ayala, Irma Robles Gutierrez, Jorge

For the poster presentation “Life cycle assessment for renewable energy generation systems” in the 3rd Biotechnology Summit 2016.

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María Fernanda Lazo Javalera, Martín Ernesto Tiznado Hernández, Irasema Vargas Arispuro, Miguel Ángel Martínez Téllez, María Auxiliadora Islas-Osuna,

For the poster presentation “**Genetic stability of Vitis vinifera L. after cryopreservation**” in the 3rd Biotechnology Summit 2016.

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Perla Contreras De la Rosa, Francisco Zuluaga-Jimenez, Gerardo Díaz-Godínez, Maura Téllez-Téllez

For the poster presentation “**Determination of laccases activity of *Ganoderma lucidum* grown in liquid culture**” in the 3rd Biotechnology Summit 2016.

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Gilberto Somoza-Coutiño, Arnoldo Wong-Villarreal, Gustavo Yañez-Ocampo

For the poster presentation “**Agroindustrial waste for biosurfactants producers endogenous bacteria**” in the 3rd Biotechnology Summit 2016.

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Barrios Rivera Pedro, Montero Cortes Mayra Itzcalotzin, Gómez Leyva Juan
Florencio, García Saucedo Pedro

For the poster presentation “**Micropropagation in vitro evaluation of the culture media WPM and MS, and molecular characterization of genotypes of *Rubus***” in the 3rd Biotechnology Summit 2016.

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Romina Torres Astorga, Sergio de los Santos Villalobos, Olgioly Domínguez-Quintero, Hugo Velasco, Roberto Meigikos dos Anjos, Gerd Dercon

For the poster presentation “Combining EDXRF and DRIFT-MIRS to distinguish sedimentary sources in an agricultural catchment of Argentina: Identification of suitable fingerprint elements” in the 3rd Biotechnology Summit 2016.

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Ramiro Alvarez-Valenzuela, Joel López-Pérez, Eduardo Manzanares-Acuña,
Carlos Moran-Rodríguez

For the poster presentation "Improved gold phytoextraction of transgenic and wild plants of *Brassica juncea* using chemical chelators in silica sand" in the 3rd Biotechnology Summit 2016.

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Cristina Alejandra Chavez-Mora, Melesio Martinez Jasso, Therese Ann Markow

For the poster presentation “**Population genetics of two cattle pests, *Haematobia irritans* and *Musca domestica* in Mexico**” in the 3rd Biotechnology Summit 2016.

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Karina Gutiérrez Moreno, Lenin Sánchez Calderón, Randy Ortiz Castro, Martin Heil, Damar Lizbeth López Arredondo, Luis Herrera Estrella

For the poster presentation “Efficient technological platform development for the identification of PGPR in tomato and their potential use in biofertilizers” in the 3rd Biotechnology Summit 2016.

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Yessica Manuela Maldonado, Francisco Javier Bécame Valenzuela, Angel Emilio Aceves-Diez, Yolanda Reyes-Vidal

For the poster presentation “Microbial fuel cells using complex substrates from corn tortilla industry” in the 3rd Biotechnology Summit 2016.

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Germán Fernando Gutiérrez Hernández, José Luis Arellano Vázquez, Elpidio García Ramírez, Estela Flores Gómez, Céfora Cervantes Flores

For the poster presentation “**Genomic and protein quality expression in QPM hybrids**” in the 3rd Biotechnology Summit 2016.

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Vivana Andrea Gualteros Bustos, Luz Adriana Monrroy, Lizeth González Devia, Martha Gomez Jimenez, Ruth Mélida Sánchez Mora

For the poster presentation “**Effect of *Annona muricata* on the phenotype of a mutant strain of *Caenorhabditis elegans***” in the 3rd Biotechnology Summit 2016

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Carlos Alberto Tavira Montalván, Angélica Meneses Acosta

For the poster presentation “**Evaluation of casp-3 transgene efficacy as a potential biopharmaceutical for gene therapy**” in the 3rd Biotechnology Summit 2016.

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Ramón Miguel Molina Barrios, Jesús Raymundo Cedillo Cobián, Ana Lucero Cebreros, Alejandra Gastelum Castañeda, José de la Luz

For the poster presentation “**Detection of antibodies against *Borrelia burgdorferi* in dogs from southern of Sonora**” in the 3rd Biotechnology Summit 2016.

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Mónica Alessandra Acosta Elías, José André-i Sarabia Sanz, Aracely Angulo Molina, Erika Silva Campa, Ana Ledesma, Alexel Burgara Estrella, Martín Pedroza Montero

For the poster presentation “Effect of gamma irradiation on stored red blood cells” in the 3rd Biotechnology Summit 2016.

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Maritza Sandoval-Aguilar, Enrico A. Yopez , Sergio de los Santos Villalobos

For the poster presentation “Litter decomposition of an ecological succession site in a tropical dry forest” in the 3rd Biotechnology Summit 2016.

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Sergio de los Santos Villalobos, Brenda Valenzuela Aragón, Angélica Herrera Sepúlveda, Eber Daniel Villa Rodríguez, Arlett Leticia Ibarra Villarreal, Fannie Isela Parra Cota

For the poster presentation “A new collection of native soil microorganisms with potential agro-biotechnological uses: COLMENA” in the 3rd Biotechnology Summit 2016.

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Luis Armando Zamarripa-Lozano, Rosalva Moya-Suarez, Francisco Noé Mendoza-Ambrosio, Susana Lozano-Muñiz

For the poster presentation “**Research perspectives vs biosecurity in tropical and subtropical zone**” in the 3rd Biotechnology Summit 2016.

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Mariela Vázquez Castillo

For the poster presentation “**Patent protection strategy of R&D results: A Cuban experience from the Center for Genetic Engineering and Biotechnology, since 1990**” in the 3rd Biotechnology Summit 2016.

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Juan Carlos Coronado Corral, Sergio de los Santos Villalobos, Lilia Arely Prado Barragan, Juan Jose Buenrostro Figueroa, Maria Isabel Estrada Alvarado, Luis Alberto Cira Chávez

For the poster presentation **“Isolation of moderately halophilic microorganisms searching of proteolytic enzymes”** in the 3rd Biotechnology Summit 2016.

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Monica Marcela Galicia-Jimenez, Patricia Tamez-Guerra, Victor Manuel Toledo-López, Jacqueline Capataz-Tafur, Juan José Zuñiga-Aguilar, Rogelio Rodriguez-Sostres, Monica Guadalupe Lozano-Contretas, Paul

For the poster presentation “**Report of the event, Biotechnology Summit 2014 (BS14)**” in the 3rd Biotechnology Summit 2016.

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Jacqueline Capataz Tafur, Mónica Marcela Galicia Jimenez, Andrés Aguirre Cruz, Susana Lozano Muñiz

For the poster presentation “Report of the event, I Biotechnology Meeting of Mexican Society of Biotechnology and Bioengineering, Oaxaca Delegation (I Biotech Meeting SMBBO)” in the 3rd Biotechnology Summit 2016.

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María Fernanda Villareal Delgado, Clarissa Armenta Anaya, Fannie Isele Parra Cota, Luis Alberto Cira Chavéz, Sergio de los Santos Villalobos

For the poster presentation "***Bacillus subtilis* FSQ1 as a promising biological control agent against *Sclerotinia sclerotiorum* in common vean (*Phaseolus vulgaris* L)**" in the 3rd Biotechnology Summit 2016.

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Eber Villa Rodríguez, Fannie Isela Parra Cota, María Isabel Estrada Alvarado, Sergio de los Santos Villalobos

For the poster presentation “Identifying bacterial biocontrol agents against *Bipolarissorokiniana*, the causal pathogen of spot blotch on wheat in the Yaqui Valley, Sonora” in the 3rd Biotechnology Summit 2016.

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Cristina Lugo Enríquez, Angélica Herrera Sepúlveda , Sergio De los

For the poster presentation “**Identification of native antagonistic fungi against *Bipolaris sorokiniana*, causal agent of Spot blotch in wheat, isolated in the Yaqui Valley, Sonora**” in the 3rd Biotechnology Summit 2016.

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Carlos Fernando Amézquita Avilés, Claudia Brizeida Coronel Acosta,
Fannie Isela Parra Cota, Sergio de los Santos Villalobos

For the poster presentation “**Microbial communities associated with the maize crop in the Yaqui Valley, and their potential use as microbial inoculants**” in the 3rd Biotechnology Summit 2016.

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Angélica Herrera Sepúlveda, Brenda Valenzuela Aragón, Eber Villa Rodríguez, Arlett Leticia Ibarra Villarreal, Sergio de los Santos Villalobos

For the poster presentation “**Genetic diversity of Bacillus spp. associated to wheat in the Yaqui Valley, Sonora**” in the 3rd Biotechnology Summit 2016.

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Alondra María Díaz Rodríguez, Luis Enrique Nevarez Rodríguez, Sergio de los Santos Villalobos, Angélica Herrera Sepúlveda, Fannie Isela Parra Cota

For the poster presentation “Molecular diversity of soil bacteria tolerant to Chlorothalonil, associated with wheat in the Yaqui Valley, Sonora ” in the 3rd Biotechnology Summit 2016.

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Mariel García Meléndez, Geovanna Zárate Camargo, Jenny Jocabet Meza Contreras, Angélica Herrera Sepúlveda, Sergio de los Santos Villalobos, Fannie Isela Parra Cota

For the poster presentation “**Assessment of Abiotic stress on microorganisms isolated from the Yaqui Valley**” in the 3rd Biotechnology Summit 2016.

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Céfora Cervantes Flores, Germán Fernando Gutiérrez Hernández,
José Luis Arellano Vázquez, Elpidio García Ramírez, Estela Flores
Gómez, Omar Alejandro Pérez Jiménez

For the poster presentation “DNA polymorphisms in blue maize hybrids”
in the 3rd Biotechnology Summit 2016.

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Pedro Barrios Rivera, Mayra Itzcalotzin Montero Cortes, Juan Florencio Gómez Leyva, Pedro García Saucedo

For the poster presentation “**Micropropagation in vitro evaluation of the culture media WPM and MS, and molecular characterization of genotypes of *Rubus***” in the 3rd Biotechnology Summit 2016.

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Gustavo Santoyo Pizano, Rocío Hernández León, Julie Hernández Salmerón

For the poster presentation “**Identification of compounds involved in plant growth-promotion in *P. fluorescens* and insights from the genome sequence**” in the 3rd Biotechnology Summit 2016.

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Rosa Mariela Hernández-Nava, Maricarmen Jaime Salinas, Marlen Mendoza García, Gerardo Díaz-Godínez, Ma de Lourdes Acosta-Urdapilleta, Maura Téllez-Téllez

For the poster presentation “**Activity of hydrolases and laccases of Pleurotus djamor var. roseus grown in submerged fermentation**” in the 3rd Biotechnology Summit 2016.

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Amelia Portillo-López, Edgar Mancilla-Sánchez, Irma Soria-Mercado

For the poster presentation “Evidence of green fluorescent protein and growth hormone expression in red abalone (*Haliotis rufescens*) larvae ” in the 3rd Biotechnology Summit 2016.

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Jaqueline Flores Salinas, Karen Garza Cuellar, Claudia Jazmín Aguilar Díaz de León, Carlos Aguilera, Roberto Eduardo Mendoza Alfaro, Dvorak Montiel

For the poster presentation “**Procedure for the identification of sexual differentiation genes in Hemichromis guttatus females**” in the 3rd Biotechnology Summit 2016.

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Claudia Jazmín Aguilar Díaz de León, Jaqueline Flores Salinas, Karen Garza Cuellar, Roberto Eduardo Mendoza Alfaro, Carlos Javier Aguilera González,
Dvorak Montiel Condado

For the poster presentation “**Identification of potential sexual development markers on *Hemichromis sp.* females**” in the 3rd Biotechnology Summit 2016.

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Elías Lozano Peña, Roberto Mendoza

For the poster presentation “Feminization of the invasive jewel cichlid (Hemichromis guttatus) by dietary administration of 17β-estradiol” in the 3rd Biotechnology Summit 2016.

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Aldrin Manuel Chan Pat, Grely del Socorro Canul Novelo, Pedro Manuel Zapata
Loría, Saúl Gabriel Ceballos Gómez

For the poster presentation “**Genetic diversity of snail *Lobatus gigas*
(GASTROPODA: STROMBIDAE) in Yucatan, Mexico**” in the 3rd
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Norineli Almanza-Martínez, Sergio Francisco Martínez-Díaz, César Salvador Cardona-Félix

For the poster presentation “**Molecular identification of *Vibrio parahaemolyticus* strains responsible of acute hepatopancreatic necrosis disease**” in the 3rd Biotechnology Summit 2016.

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Juan Carlos Coronado Corral, Armando Yepiz Gonzalez, Luis Francisco Tabares Escamilla, Sergio de los Santos Villalobos, Maria Isabel Estrada Alvarado, Luis Alberto Cira Chavez

For the poster presentation **“Alkaline extracellular amylase production by moderately halophilic bacteria”** in the 3rd Biotechnology Summit 2016.

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Sara Roxana Maldonado Bustamante, Iram Mondaca Fernández, Sergio De los Santos Villalobos, María Mercedes Meza Montenegro, José de Jesús Balderas

For the poster presentation “**Selection of native fungi isolated from Yaqui Valley, Sonora, Mexico using enzymatic index for their application in biopulping process**” in the 3rd Biotechnology Summit 2016.

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For the poster presentation **“Search of halophilic microorganisms with proteolytic activity and identification of type of protease of extract enzymatic”** in the 3rd Biotechnology Summit 2016.

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Rosalva Moya-Suarez, Maria del Carmen Urzua Hernández, Francisco Noé Mendoza-Ambrosio, Susana Lozano-Muñiz

For the poster presentation “**Science & biotechnology early stimulation: playing to do science with microbiology, biology and structural bioinformatics**” in the 3rd Biotechnology Summit 2016.

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For the poster presentation “**Evaluation of protease activity from two brewing malts**” in the 3rd Biotechnology Summit 2016.

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Cuauhtémoc Ulises Moreno Medina, Alfredo de Jesús Martínez Roldán

For the poster presentation “Tolerance to ammonium of *Chlorella vulgaris*
under laboratory conditions ” in the 3rd Biotechnology Summit 2016.

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Norma Karelli Osuna Salazar, María Alejandra Pacheco Fernández, Brenda Paloma Gómez Lozano, Alfredo de Jesús Martínez Roldán

For the poster presentation “**Design and construction of a bubbled column for microalgae culture**” in the 3rd Biotechnology Summit 2016.

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For the poster presentation “A Bioethical approach to Biotechnology” in the 3rd Biotechnology Summit 2016.

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Mauricio Castaño Arcila, Jesús Rodríguez González

For the poster presentation **“Mathematical modeling of the clearance and productive states in cells infected with dengue virus”** in the 3rd Biotechnology Summit 2016.

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-Hernandez, Fernando Lares-Villa, Karel Estrada, Ricardo Grande, Jose
Cuauhtemoc Ibarra-Gamez, Alejandro Sanchez-Flores

For the poster presentation “**Whole genome sequencing, annotation and manual curation of WSSV-MX08 isolated from *L. vannamei* cultivated in Sonora**” in the 3rd Biotechnology Summit 2016.

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Cinthya Martínez López, Luis Fernando Zepeda Giraud, Dario Rafael Olicón Hernandez, María Guadalupe Guerra Sánchez

For the poster presentation “**Potential production of melanin in two mutants Δ -Pma of *Ustilago maydis***” in the 3rd Biotechnology Summit 2016.

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For the poster presentation “**Expression of sialyltransferases in the liver of tumor-bearing mice under chronic stress conditions**” in the 3rd Biotechnology Summit 2016.

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For the poster presentation “**Inhibition of urease enzyme by methanolic extracts from root of cholla (*Cylindropuntia cholla*)**” in the 3rd Biotechnology Summit 2016.

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For the poster presentation **“Isolation and characterization of microorganisms with biodegradation activity on the pesticides atrazine, chlorothalonil and chlorpyrifos”** in the 3rd Biotechnology Summit 2016.

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