

NOTA:

El programa sólo menciona al autor ponente. Los coautores están indicados en los resúmenes que se integrarán en la memoria electrónica y será publicada en la página del congreso la primera semana de noviembre.

Centro de Convenciones Azul Ixtapa**INFORMACIÓN SOBRE LAS PRESENTACIONES ORALES LIBRES**

- La exposición será en inglés y tendrá una duración de 15 min. 10 min de presentación y 5 min para preguntas.
- Les solicitamos que sus presentaciones estén diseñadas en inglés y en POWERPOINT, llevarlas en una memoria USB.
- Los archivos de sus presentaciones deberán ser entregados en el salón donde será su exposición a las 7.30hrs. del día que le toca exponer. Para evitar contratiempos, no se permitirán cambios de archivos en el momento de la sesión.
- Con el propósito de no entorpecer los trabajos de las sesiones, no se permitirá el intercambio de la computadora instalada para las presentaciones, les pedimos encarecidamente no insistir y llevar sus presentaciones listas y probadas en formato de POWERPOINT COMPATIBLE CON WINDOWS VERSION 2007.
- Contaremos con proyector, laptop y apuntadores para las exposiciones. Si tienen algún requerimiento especial, les solicitamos hacérselo saber.

Simultaneous Sessions

Monday November 5

9:30 – 11:00	1. Reactive Oxygen Species Zeus Room I	2. Genetics, Epigenetics & Genetic Regulation I Zeus Room II	3. Signal Transduction and Cell Differentiation I Zeus Room III
	Chair: <i>Vianey Olmedo</i> U. GTO.	Chair: <i>Alfredo Herrera</i> LANGEBIO CINVESTAV	Chair: <i>Vanesa Olivares</i> UASLP
9:30-9:45	Dioxygen Avoidance Theory: An experimentally validated mathematical model for ROS-mediated cell differentiation. <i>Wilhelm Hansberg.</i> Instituto de Fisiología Celular, UNAM	Zinc dependent and HIZR-1 mediated activation of HLH-30 and the autophagy-lysosomal pathway is required for zinc homeostasis. <i>Ciro Cubillas.</i> Washington University	Identification of Novel Substrates of Protein Tyrosin Phosphatase 1B in Breast Cancer Cells Through SILAC-based Phosphoproteomics. <i>Luis Enrique Arias Romero.</i> FES Iztacala, UNAM
9:45-10:00	Influence of redox signaling on the regulation of the Erk1/2 kinase and activation of the transcription factor Nrf2 in hearts with post-conditioning. <i>Arturo Macías-López.</i> Instituto Nacional de Cardiología “Ignacio Chávez “	Quantitation of the relative protein levels of <i>Debaryomyces hansenii</i> catalases A and T through their fusion to a fluorescent reporter. <i>Brandon Bustos-García.</i> Facultad de Ciencias, UNAM	Role of pALT^{Ink4a/b} in mouse embryonic fibroblasts during the establishment of cellular senescence. <i>Miguel del Ángel Muñoz.</i> Cellular Physiology Institute, UNAM
10:00-10:15	Transcriptome analysis of the antagonistic effect of NADPH oxidase gene RbohB in the common bean after rhizobial and arbuscular mycorrhizal inoculation. <i>Citlali Fonseca-García.</i> Instituto de Biotecnología, UNAM	Analysis of the <i>Physcomitrella patens</i> methylation machinery mutant on development and stress response. <i>Laura Esther Estrada Martínez.</i> Universidad Autónoma de San Luis Potosí	Transcription analysis of endothelial cells treated with tumor soluble factors of cell line ZR-7530. <i>Andrei Ivan Favela Orozco.</i> Instituto de Investigaciones Biomédicas, UNAM
10:15-10:30	A LORELEI characterization during the Rhizobium-legume interaction. <i>Pascual Morales Edgar J.</i> Instituto de Biotecnología. UNAM	Inaccurate microRNA detection in every cell culture due to Fetal Bovine Serum. <i>Carlos Fabián Flores-Jasso.</i> Instituto Nacional de Medicina Genómica	The importance of cell context: Ski and SnoN regulatory mechanisms in hepatocytes. <i>Diana G. Ríos-López.</i> Instituto de Fisiología Celular. UNAM
10:30-10:45	Global gene expression analysis reveals a persistent activation of NRF2 in liver carcinogenesis: Implications in cancer drugs resistance. <i>Julio Isael Pérez-Carreón.</i> INMEGEN	Optogenetics applied to PLK4, the master regulator of the centrosome. <i>Eduardo Brito-Alarcón.</i> Instituto de Biotecnología, UNAM	Wnt pathway-related Extracellular Antagonists expression in osteoblast-like cells. <i>Alma Y. Parra-Torres.</i> Instituto Nacional de Medicina Genómica
10:45-11:00	Development of monitoring oxygen and carbon dioxide transfer rate (OTR and CTR) device and cotton closure simulation during <i>Pichia pastoris</i> shake flask cultures. <i>Daniel Cabrera Santos.</i> Instituto de Investigaciones Biomédicas, UNAM	Myelin and Lymphocyte Protein (MAL) induces MUC1 lysosomal degradation. <i>Antonio Roberto Lara Lemus.</i> Instituto Nacional de Enfermedades Respiratorias “Ismael Cosío Villegas”.	

Simultaneous Sessions

Monday November 5

11:30 – 13:00	4. Biotechnology I Zeus Room I	5. Systems Biology & Bioinformatics I Zeus Room II	6. Medicine, Health & Nutrition I Zeus Room III
	Chair: <i>Luis Gerardo Treviño Quintanilla</i> . UPEMOR	Chair: <i>Gabriel del Rio</i> IFC UNAM	Chair: <i>Claudia Segal Kischinevzky</i> . FC UNAM
11:30-11:45	<i>Pseudomonas chlororaphis</i> as a new model for shikimic acid production. <i>Alma Yolanda Alva Aviles</i> . Instituto de Biotecnología, UNAM	Identification and Classification of Single Nucleotide Polymorphisms as Biomarkers associated with Dementia through Data Mining and Machine Learning. <i>Erick Cuevas Fernández</i> . Facultad de Medicina, UAEM	Identification and selection of genetic biomarkers for atherosclerosis. <i>José Javier Álvarez Arroyo</i> . UAEM
11:45-12:00	Bacterial biodegradation of endocrine disruptors di-(2-ethylhexyl) phthalate and diisononyl phthalate. <i>Marco Antonio Pereyra Camacho</i> . Instituto Potosino de Investigación Científica y Tecnológica A.C.	Evidence of the Red-Queen Hypothesis from Accelerated Rates of Evolution of Genes Involved in Biotic Interactions in <i>Pneumocystis</i>. <i>Luis Delaye</i> . CINVESTAV Irapuato	Establishment of <i>ex vivo</i> and <i>in vivo</i> models for the study of bone remodeling. <i>Brenda Ivette Iduarte-Frias</i> . CICESE Ensenada
12:00-12:15	<i>Aspergillus sydowii</i>, a halophile fungus with potentials to degrade lignocellulose, polycyclic aromatic hydrocarbons and pharmaceuticals: a transcriptomic and biochemical view. <i>Ramón Alberto Batista-García</i> . UAEM	Modeling the structure-function relationship in biological systems with machine learning. <i>Fernando Fontove</i> . Instituto de Fisiología Celular, UNAM	Profibrotic Role of Matrix Metalloproteinase-28 and Potential Diagnostic Biomarker for Idiopathic Pulmonary Fibrosis. <i>Mariel Maldonado</i> . Instituto Nacional de Enfermedades Respiratorias Ismael Cosío Villegas
12:15-12:30	Rational design of chimeric endolysins with application in aquaculture. <i>César Salvador Cardona--Félix</i> . IPN	Modeling the regulatory network of lymphopoiesis. <i>Luis Mendoza Sierra</i> . Instituto de Investigaciones Biomédicas, UNAM	Aging and absence of Zmpste24 protects premature aging mice from developing bleomycin-induced pulmonary fibrosis through the overexpression of antifibrotic microRNAs. <i>Jazmín Calyeca</i> . Facultad de Ciencias. UNAM
12:30-12:45	An orthogonal system for beta-branching in polyketide biosynthesis. <i>Pablo Cruz-Morales</i> . Joint Bioenergy Institute. USA	The cellular mechanisms of lifespan extension by metformin. <i>Michelle Crisely Munguía Figueroa</i> . LANGEBIO. CINVESTAV Irapuato	Restoration of circadian levels of NAD⁺ reduces physiopathology caused by a high-fat diet. <i>Quetzalcoatl Escalante Covarrubias</i> . IIB-UNAM
12:45-13:00		Effect of antibiotics in the ecological dynamic of microbial communities. <i>Daniela Reyes González</i> . Centro de Ciencias Genómicas, UNAM	Omega-3 fatty acids in diabetes. <i>Ricardo Mejía Zepeda</i> . FES Iztacala, UNAM

Simultaneous Sessions

Tuesday November 6

9:30 – 11:00	7. Genetics, Epigenetics & Genetic Regulation II Zeus Room I	8. Microbiology Zeus Room II	9. Toxicology & Pharmacology Zeus Room III
	Chair: <i>Carlos Fabián Flores Jasso</i> INMEGEN	Chair: <i>Susana Brom</i> CCG UNAM	Chair: <i>Verónica Morales Tlalpan</i> Universidad Autónoma de Querétaro
9:30-9:45	Defensin γ-Thionin from <i>Capsicum chinense</i> induces apoptosis in the human breast cancer cell line MCF-7 and regulate histone H3 epigenetic modifications. <i>María Teresa Arceo-Martínez.</i> Universidad Michoacana	Mixing synthetic ecology and metagenomics towards mine waste bioremediation. <i>Luis D. Alcaraz.</i> Facultad de Ciencias, UNAM	Phytochemical scrutiny and evaluation of the biological activity of wood extracts. <i>Malinali Ambriz-Ortiz.</i> Universidad Michoacana de San Nicolás de Hidalgo
9:45-10:00	CTCF-KDM4A complex correlates with histone modifications that negatively regulate the tumor suppressor CHD5 gene expression in cancer cell lines. <i>Lissania Guerra-Calderas.</i> Universidad Autónoma Metropolitana	Strategy to identification of mutations in resistant <i>Mycobacterium tuberculosis</i> isolates in Jalisco Mexico. <i>Ikuri Álvarez-Maya.</i> Center for Research and Assistance in Technology and Design of the State of Jalisco. CIATEJ	Characterization of the interaction of the antimicrobial peptides Pin2 and Pin2 [GVG] using lipid membrane model systems. <i>Brandt Bertrand.</i> Instituto de Ciencias Físicas, UNAM
10:00-10:15	CTCF regulates IL6 expression in breast cancer cells. <i>Gustavo Ulises Martínez-Ruiz.</i> Hospital Infantil de México Federico Gómez. UNAM	Characterization of a putative TCS implicated in the response to salinity stress in <i>Rhizobium etli</i> CFN42. <i>David Correa-Galeote.</i> Centro de Ciencias Genómicas, UNAM	FIG1-dependent cell death during cell cycle arrest in yeast. <i>Vladimir Juárez A.</i> Instituto de Fisiología Celular, UNAM
10:15-10:30	Methylation pattern of the human ATP2A3 gene promoter in gastric and colon cancer cell lines. <i>Angel Zarain-Herzberg.</i> School of Medicine, UNAM	Identification and characterization of a family of outer membrane proteins of <i>Helicobacter pylori</i>, which scavenges iron from human sources. <i>José de Jesús Olivares-Trejo.</i> Posgrado en Ciencias Genómicas. UACM	<i>Moringa oleifera</i> seed prolamin fraction and its inhibitory capacity on the angiotensin converting enzyme-I. <i>Jesús Ricardo Pérez Velázquez.</i> Facultad de Ciencias Químicas de la Universidad Juárez del Estado de Durango
10:30-10:45	<i>Candida glabrata</i> cis-acting element Sil2126 negatively regulates the expression of adhesin-encoding genes through chromatin loop formation. <i>Eunice López-Fuentes.</i> IPICYT	Inhibition of <i>las</i> quorum sensing system is not enough to suppress virulence of <i>Pseudomonas aeruginosa</i>. <i>Martín Paolo Soto-Aceves.</i> Instituto de Investigaciones Biomédicas, UNAM	Lupresan, a new drug that prevents or reverts the formation of lipidic particles that trigger a lupus mouse model. <i>Carlos Wong Baeza.</i> Escuela Nacional de Ciencias Biológicas, IPN
10:45-11:00	Genetic analysis of aging factor SWR1 in <i>Saccharomyces</i> and <i>Drosophila</i>. <i>Judith Ulloa Calzonzin.</i> LANGEBIO CINVESTAV Irapuato	Strategies of <i>Avibacterium paragallinarum</i> to successful colonize host tissues. <i>Candelario Vázquez Cruz.</i> Centro de Investigaciones en Ciencias Microbiológicas. BUAP	Highly purified extracellular vesicles from Fetal Bovine Serum reveal a mutually exclusive two-set of microRNAs. <i>Filiberto A. Bautista-Moreno.</i> INMEGEN

Simultaneous Sessions

Tuesday November 6

11:30 – 13:00	10. Basic Biochemistry I Zeus Room I	11. Biotechnology II Zeus Room II	12. Medicine, Health & Nutrition II Zeus Room III
	Chair: <i>Leonardo Peraza</i> IFC UNAM	Chair: <i>Gloria Yepiz, CIAD</i>	Chair: <i>Ernesto Soto Reyes</i> UAM
11:30-11:45	Multi-protein regulation of intracellular pH during human sperm capacitation. <i>Arturo Matamoros-Volante.</i> Instituto de Biotecnología, UNAM	Folates and N2 fixation: Compartmentalized distribution of folates derivatives in mitochondria, plastids, and <i>Rhizobium</i> from <i>Phaseolus vulgaris</i> nodules in relation with N2 fixation levels. <i>Wendy Judith Berdeja Zamudio.</i> Tecnológico de Monterrey	Expression of PD1 and TIM3 in the inflammatory peritumoral infiltrate of patients with breast cancer. <i>Miguel Angel Fonseca-Sánchez.</i> Departamento de Genética, Hospital General de México Dr. Eduardo Liceaga
11:45-12:00	Effect of Ergosterol in the Tyrosine residue of the Bacilomycine D as a basis for studies of their interaction with lipid membranes. <i>José Francisco Espinosa-Romero.</i> Instituto de Ciencias Físicas, UNAM	Folate and ethylene metabolic crossroads: Ethylene modulation of folate pools and methionine synthase expression and activity in climacteric fruit. <i>Rocío Isabel Díaz de la Garza.</i> Tecnológico de Monterrey	Activation of energy metabolism by estrogen in human breast carcinoma. <i>Silvia Cecilia Pacheco Velázquez.</i> Instituto Nacional de Cardiología "Ignacio Chávez"
12:00-12:15	The cytochrome b carboxyl-terminal end is a central regulator of the bc₁ complex biogenesis in <i>Saccharomyces cerevisiae</i>. <i>Daniel Flores-Mireles.</i> IFC UNAM	The Intragenic Method for Maize Improvement: Drought Tolerance and Improved Photosynthesis. <i>Verónica Garrocho Villegas.</i> Facultad de Química, UNAM	LPS-induced cancer progression on triple negative breast cancer cells via nitric oxide signaling pathway mediated by TLR4/NF-κB. <i>Karina Ruiseco-Flores.</i> IF, BUAP
12:15-12:30	Biochemical basis of PirAvp/PirBvp toxins-receptor interactions: a galactosamine mediated binding in the epithelial cells of hepatopancreas of shrimp. <i>Victorio-De Los Santos Marcelo.</i> CIAD	Antagonistic activities analysis of <i>Trichoderma</i> spp. isolates over <i>Fusarium graminearum</i>, fusariosis causal agent on <i>Triticum aestivum</i> (wheat). <i>Kate Manuela López Hernández.</i> Instituto Tecnológico Superior de Ciudad Hidalgo	Antiproliferative effect of molecular iodine and cyclophosphamide in acute lymphoblastic leukemia cells. <i>Maritza L. Soria-Ornelas</i> Instituto de Neurobiología, UNAM
12:30-12:45	Growth and reserve lipids production with the non-pathogenic <i>Acinetobacter baylyi</i> strain ADP1 using different carbon sources. <i>Karina J. Salcedo Vite.</i> IBT UNAM	Carotenoid/Bacteriochlorophyll ratio during the culture of <i>Rhodospseudomonas palustris</i> ATCC1007 at different nitrogen concentration. <i>Carlos Jeovanny López Romero.</i> UPIBI IPN	Analysis of irisin protein expression, in infiltrating breast cancer, in postmenopausal women with different body mass indexes. <i>María Elena Tejeda Hernández.</i> Facultad de Medicina, UNAM
12:45-13:00	<i>In vitro</i> evaluation of the phosphate solubilization efficiency of fungal strains isolated from the rhizosphere of bean, corn and tomato plants. <i>Dorcas Zúñiga Silgado.</i> UAEM	Bisphenol-A on the growth and enzymatic activity of <i>Aspergillus fumigatus</i>. <i>Binicio Ramírez-Mendoza.</i> Faculty of Agrobiology. Autonomous University of Tlaxcala,	Over-elongation of centrioles in cancer promotes centriole amplification and size deregulation, as recurrent features of cancer cells. <i>Adan Guerrero.</i> IBT, UNAM

Simultaneous Sessions

Wednesday November 7

9:30 – 11:00	13. Neurosciences & Neurobiology Zeus Room I	14. Genetics, Epigenetics & Genetic Regulation III Zeus Room II	15. Signal Transduction II Zeus Room III
	Chair: <i>Carlos Barajas López</i> IPICYT	Chair: <i>Eugenio Mancera</i> CINVESTAV Irapuato	Chair: <i>Wilhelm Hansberg</i> IFC, UNAM
9:30-9:45	Vasoinhibins promote apoptotic cell death in hippocampal neuronal primary cultures. <i>Rodrigo Manuel Araña</i> . Instituto de Neurobiología, UNAM	The TRPV4 cationic channel regulates the transcriptional activity of β-catenin through a direct interaction modulated by its channel activity. <i>Refugio García-Villegas</i> . CINVESTAV IPN	The role of Voltage-Gated Sodium Channels Subunits in Osteosarcoma Metastasis. <i>Nidia Ednita Beltrán Hernández</i> . Facultad de Medicina. UAEM
9:45-10:00	Effect of oxidative stress on the P2X7 purinergic receptor and the glycogen synthase kinase transcriptase, in the hippocampus of the rat exposed to low doses of ozone. <i>Velázquez-Pérez Raúl</i> . Facultad de Medicina, UNAM	Using yeast genetic synthetic lethality to study NPA3 function. <i>Martín A. Mora-García</i> . Instituto de Física, Universidad Autónoma de San Luis Potosí	Role of Transforming Growth Factor Beta in Neuroblastoma Bone Metastasis. <i>Patricia Juárez Camacho</i> . Centro de Investigación Científica y de Educación Superior de Ensenada
10:00-10:15	Study of the differences between the proteomic profile of the dorsolateral prefrontal cerebral cortex of individuals who died by suicide and of individuals who died from other causes. <i>Manuel Alejandro Rojo Romero</i> . Facultad de Ciencias, UNAM	The pyrophosphohydrolase RppH is involved in the control of RsmA/CsrA expression in <i>Azotobacter vinelandii</i> and <i>Escherichia coli</i>. <i>Leidy Patricia Bedoya-Pérez</i> . Instituto de Biotecnología, UNAM	Tomosyn functions as a PKCδ-regulated fusion clamp in mast cell degranulation. <i>Iris K. Madera-Salcedo</i> . Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán
10:15-10:30	Prolactin protects rat cortical astrocytes against oxidative stress. <i>Miriam Ulloa</i> . Instituto de Neurobiología, UNAM	A long intergenic non-coding RNA is a novel positive regulator of the ABA FIVE-BINDING PROTEIN (AFP1) in <i>Arabidopsis thaliana</i>. <i>Dhamar Gabriela Rodríguez Tenorio</i> . Facultad de Ciencias Químicas, UASLP	Genomic stability is promoted by autophagy and NR4A nuclear receptors. <i>Muciño Hernández Gabriel</i> Instituto de Fisiología Celular, UNAM
10:30-10:45	The role of autophagy and cellular senescence during the development of spinal cord and differentiation of motoneurons. <i>Jorge Antolio Domínguez-Bautista</i> . Institute of Cellular Physiology, UNAM	Methylation marks on the S-RNase promoter suggest a epigenetic regulation associated with a Gypsy retrotransposon-like sequence. <i>Renata Salcedo Sánchez</i> . Facultad de Química, UNAM	Characterization of the function of the <i>non-coding</i> intermediate RNA <i>ImncEIN2</i> in the ethylene perception pathway. <i>Jesús Nieto Hernández</i> . Universidad Autónoma de San Luis Potosí
10:45-11:00	Cellular systems proposed as a model for the study of dementia. <i>Fernanda Anaid Villarreal Reyes</i> . Facultad de Medicina, UAEM	Experimental analysis on the <i>betIBA</i> operon and <i>betT1</i> gene promoters from <i>Pseudomonas aeruginosa</i> PAO1. <i>Erick Jael Palomo Paz</i> . Facultad de Química, UNAM	Natural intra-species variation of the mutational effects of the TOR pathway in cell survivorship. <i>J. Abraham Avelar-Rivas</i> . LANGE BIO CINVESTAV Irapuato

Simultaneous Sessions

Tuesday November 6

11:30 – 13:00	16. Systems Biology & Bioinformatics II Zeus Room I	17. Biotechnology III Zeus Room II	18. Basic Biochemistry II Zeus Room III
	Chair: <i>Cei Abreu Goodger</i> LANGEBIO Irapuato	Chair: <i>Gloria Saab</i> IBT UNAM	Chair: <i>Daniel Alejandro Fernández Velasco</i> FM UNAM
11:30-11:45	Epikouros: Empowering society with scientific data. <i>Gabriel Del Río</i> . Instituto de Fisiología Celular, UNAM.	Design of artificial virus-like protein-DNA nanoparticles with programmable self-assembly. <i>Carlos Calcines Cruz</i> . Instituto de Química, UNAM	Structural studies on the tail domain of the human cytoplasmic Dynein-1. <i>Edgar Morales Ríos</i> . CINVESTAV / Lab. of Molecular Biology MRC. UK
11:45-12:00	Testing the Domino Theory of Gene Loss in <i>Buchnera aphidicola</i>: The Relevance of Epistatic Interactions. <i>Luis Delaye</i> . CINVESTAV Irapuato	Study of phenolic compounds present in tequila vinasse for its recovery and integral use on biorefinery processes. <i>Cornejo-Corona Ivette</i> . Centro de Innovación Aplicada en Tecnologías Competitivas	Structural and thermodynamic contribution of the binding site residues in the lysine-arginine-ornithine binding protein (LAO) to ligand affinity and selectivity. <i>Jesús Renán Vergara Gutiérrez</i> . Facultad de Medicina, UNAM
12:00-12:15	Experimental evolution of resistance to antibiotics under different intensities of selective pressure. <i>Sandra Mayoral Álvarez</i> . Centro de Ciencias Genómicas, UNAM	New source of natural bioactive compounds: Phenolic compounds and melanin of residues from energetic plant biomass with a high potential of nutraceuticals. <i>Domancar Orona Tamayo</i> . CIATEC, A.C.	Computational approach to optimize the PTP1B inhibitor JM151. <i>Mara Ibeth Campos Almazán</i> . Facultad de Medicina y Nutrición. Universidad Juárez del Estado de Durango
12:15-12:30	IsomiR-index: a method for analyzing quantitatively the isomiR landscape. <i>Oscar Omar Moreno-Proo</i> . Instituto Nacional de Medicina Genómica	Metabolic engineering to improve hydrogen production by <i>Escherichia coli</i>. <i>Victor E. Balderas-Hernandez</i> . IPICYT	Structural similarity search and biochemical characterization of methicillin resistant <i>Staphylococcus aureus</i> shikimate dehydrogenase inhibitors. <i>Daniel Isaac Enríquez Mendiola</i> . Universidad Juárez del Estado de Durango
12:30-12:45	De novo assembly of small RNA sequencing reads improves species assignment in combined parasite-host samples. <i>Obed Ramírez Sánchez</i> . LANGEBIO CINVESTAV	Characterization of catechol dioxygenases produced by aromatic hydrocarbons-degrading <i>Pseudomonas</i> strains obtained from the Gulf of México for its use in bioremediation. <i>Selma Julieta Rodríguez-Salazar</i> . IBT UNAM	Cooperativity in a dimeric enzyme is boosted by a novel mechanism. <i>Jorge Ángel Marcos-Viquez</i> . Department of Biochemistry, School of Medicine, UNAM
12:45-13:00	Inquiry Based Science Education (IBSE) as a tool for learning Molecular Biology. The experience in México. <i>Viviana Escobar-Sánchez</i> . Facultad de Ciencias, UNAM	Antimicrobial activity of redclaw crayfish <i>Cherax quadricarinatus</i> Pro-rich recombinant peptide. <i>Gisela Ruvalcaba-Rodríguez</i> . Universidad Autónoma de Chihuahua	Precise design of protein and DNA nanomaterials through the engineering of protein polymers and DNA binding domains. <i>Armando Hernández-García</i> . Wageningen Univ.

Simultaneous Sessions

Thursday November 8

9:30 – 11:00	19. Immunology & Parasitology Zeus Room I	20. Genetic, Epigenetic & Genetic Regulation IV Zeus Room II	21. Biochemistry and Plant Molecular Biology Zeus Room III
	Chair: <i>Emma Saavedra</i> Instituto Nal. Cardiología	Chair: <i>Kasia Oktaba</i> CINVESTAV-Irapuato	Chair: <i>Carmen Quinto</i> IBT, UNAM
9:30-9:45	Therapeutic model anti tumoral targeting E5 protein of human papillomavirus 16 to dendritic cells <i>in vivo</i>. <i>Oscar Badillo-Godínez</i> . CISEI-INSP, SSA	<i>In vitro</i> development of splice-switching oligonucleotides to revert intronic DRD2 polymorphisms effect associated to Substance Use Disorders. <i>Alejandro Bustos Cortés</i> . INMEGEN	Maize root exudates. Large-scale phenotyping of a tropical and temperate diversity panels. <i>Martha G. Lopez-Guerrero</i> . Department of Biochemistry, University of Nebraska-Lincoln
9:45-10:00	Apoptosis of mouse hippocampal cells induced by <i>Taenia crassiceps</i> metacestode factor. <i>Natalia Ivanovna Copitin Niconova</i> . Instituto de Fisiología Celular, UNAM	Finding a 5-hydroxymethylcytosine “fingerprint” during hepatocyte differentiation. A clue for early cancer detection and intervention?. <i>Jesús Rafael Rodríguez-Aguilera</i> . IFC, UNAM	Low levels of polyamine alter resistance in Arabidopsis to necrotrophic and hemibiotrophic pathogens. <i>Ana Isabel Chávez Martínez</i> . División de Biología Molecular, IPICYT AC
10:00-10:15	Searching for the natural ligand of the Human Aminopeptidase N (CD13). <i>Georgina Ivette López-Cortés</i> . Instituto de Investigaciones Biomédicas, UNAM	Participation of the epigenetic factor BORIS in transcriptional regulation of genes involved in ovarian cancer. <i>Ernesto Soto-Reyes</i> , Natural Sciences Department, UAM	Crosstalk between Methyl jasmonate and Polyamines on the Arabidopsis growth. <i>Maria Azucena Ortega Amaro</i> . División de Biología Molecular, IPICYT AC
10:15-10:30	Lipids induce the formation of germinal centers in the same time as a protein antigen. <i>Claudia Albany Reséndiz Mora</i> . Escuela Nacional de Ciencias Biológicas – IPN	Epigenetic modulation of Ca²⁺ homeostasis genes by Resveratrol helps to explain its anticancer properties. <i>Ángel Zarain-Herzberg</i> . School of Medicine, UNAM	The role of the TRPV channel in osmobirosis of the tardigrade <i>Hypsibius dujardini</i>. <i>Erendira Anai De la Torre-Gonzalez</i> . Facultad de Ciencias Naturales, Universidad Autonoma de Queretaro
10:30-10:45	A <i>Taenia crassiceps</i> factor induces apoptosis of spleen CD4+ T cells and TGF-β and Foxp3 gene expression in mice. <i>Nadia Zepeda Córdova</i> . Instituto de Fisiología Celular, UNAM	Long term effect of early overnutrition in the transcriptome of Wistar rat liver (<i>Rattus norvegicus</i>). <i>Miguel Angel Espinoza Camacho</i> . National Institute of Genomic Medicine	NaTrxh is an essential protein in the pollen rejection response in <i>Nicotiana</i>, which reduces to S-RNase increasing its activity. <i>María Daniela Torres Rodríguez</i> . FM UNAM
10:45-11:00		Comparison of microRNAs quantity in blood serum on patients from 65 years and older with frailty and patients clinically functional. <i>García-Gamboa Ada Paulina</i> . Hospital General de México	Characterization of the function of long non-coding RNA <i>IncTATA</i> on the development of <i>Arabidopsis thaliana</i>. <i>Susana Isabel Vargas Camacho</i> . Facultad de Ciencias Químicas, UASLP