

Programa del Simposio Internacional por el 20 aniversario de la LCG UNAM

Miércoles 30 de Agosto de 2023

Hora	Actividad
08:00-10:00	Registro
10:00-11:00	Ceremonia de apertura
11:00-11:30	Receso para fotos

Simposio # 1: Genomics of infectious diseases

Chair: Daniel Blanco Melo

11:30-12:10	Plenaria: Daniel Blanco Melo Love (for viruses) in the Times of COVID
12:10-12:35	Melissa Molho Defining the Role of Powassan Virus in Evading Host Antiviral Immunity <i>Ponencia virtual</i>
12:35-13:00	Diana Vera Cruz Congenial CMV transmission dynamics and immune selection <i>Ponencia virtual</i>
13:00-13:25	Ana Georgina Cobián Güemes Human virome and phage therapy against antibiotic resistant bacteria <i>Ponencia virtual</i>
13:25-13:40	Elias Rafael Ruiz Morales Acute infection response on the early human placenta at single cell resolution <i>Ponencia virtual</i>
13:40-13:55	Víctor Eduardo Nieto Caballero History of tuberculosis disease is associated with genetic regulatory variation in Peruvians <i>Ponencia virtual</i>
13:55-15:00	<i>Pósters y refrigerio</i>

Simposio # 2: Paleo-Evo genomics

Chair: María Ávila-Arcos

15:00-15:45	Plenaria: Federico Sánchez Quinto Paleogenómica de la Megafauna y el Paleoambiente de la Cuenca de México
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Simposio # 2: Paleo-Evo genomics

- 15:45-16:15 Diego Ortega del Vecchyo
Inferring the impact of natural selection across the genome using the Ancestral Recombination Graph
- 16:15-16:45 Marcela Sandoval Velasco
Paleogenomics of Agave domestication
Ponencia virtual
- 16:45-17:15 Carmina Barjón
Analyzing IBD Segments in the MX Biobank to track the Genetic Structure of Mexico Through Time

Jueves 31 de Agosto de 2023

Simposio # 3: Genomics and environment

Chair: Mariana Matus

- 09:00-09:45 Plenaria: Mariana Matus
Wastewater epidemiology and the future of public health
- 09:45-10:15 Karla Meza
Morir o no morir? Esa es la pregunta: Sparcle, un nuevo ARN largo no codificante necesario para la apoptosis
- 10:15-10:45 David Valle
Epitranscriptómica y el descubrimiento de una nueva metil-transferasa
- 10:45-11:15 Daniela Samaniego
Epigenetic features observed in TET deficient B cells
Ponencia virtual
- 11:15-11:45 *Refrigerio*

Simposio # 4: Microbial Genomics, Ecology and Evolution

Chair: Luis Servin Garcidueñas

- 11:45-12:05 Sur Herrera Paredes
Genomes, communities and metagenomes: The interface of Ecology and Evolution in microbial communities
- 12:05-12:25 Lucía Guadalupe Morales Reyes
Genome evolution of Saccharomyces yeasts and their interspecies hybrids
Ponencia virtual

Simposio # 4: Microbial Genomics, Ecology and Evolution

- 12:25-12:45 José Eduardo Soto Guzmán
Molecular cartography of a bacterial syringe
Ponencia virtual
- 12:45-13:05 Ana Lucía Gutiérrez Preciado
Metagenomic insights of an archaeal dominated hypersaline ecosystem
Ponencia virtual
- 13:05-13:25 Luis Manuel Bolaños Avellaneda
Temporal patterns of viruses in the surface Western English Channel
Ponencia virtual
- 13:25-13:45 Daniela Azucena García Soriano
Pooled optical screening in Bacteria using genetically expressed barcodes
Ponencia virtual
- 13:45-14:05 Francisco Maximiliano González Serrano
Exploring the antifungal potential of bacterial isolates from the skin of axolotls and frogs through genome mining
- 14:05-15:00 *Pósters y refrigerio*

Simposio # 5: Spatial Transcriptomics

Chair: Leonardo Collado-Torres

- 15:00-15:40 Plenaria: Leonardo Collado Torres
Studying the human prefrontal cortex transcriptome at different resolutions
- 15:40-16:05 Ricardo O. Ramirez Flores
Multi-scale transcriptional descriptions of heart failure for a tissue-centric understanding of disease
Ponencia virtual
- 16:05-16:30 Mayra L. Ruiz Tejada Segura
A 3D transcriptomics atlas of the mouse nose sheds light on the anatomical logic of smell
Ponencia virtual
- 16:30-16:55 C. Daniela Robles Espinoza
Revelando el microambiente tumoral del melanoma acral a través de la proteómica espacial
- 16:55-17:15 Elizabeth Sulvarán Guel
Spatially resolved transcriptomic atlas across disease progression in a chronic kidney disease mouse model
Ponencia virtual

Viernes 1 de Septiembre de 2023

Simposio # 6: Plant Genomics

Chair: Carlos de la Rosa

- 09:00-09:45 Plenaria: Selene Fernández
Signatures of conservation in plant lncRNAs
Ponencia virtual
- 09:45-10:15 Martha Rendón
Genomic selection for sustainable agriculture
Ponencia virtual
- 10:15-10:45 Fernando Rabanal
The evolution of fully-assembled Arabidopsis centromeres and 5S rDNA clusters
Ponencia virtual
- 10:45-11:15 Uriel Urquiza
Optogenetic control of gene expression in plants
Ponencia virtual
- 11:15-11:45 *Refrigerio*

Simposio # 7: Functional genomics and human disease

Chair: María Gutiérrez-Arcelus

- 11:45-12:30 Plenaria: Maria Gutierrez-Arcelus
Finding the missing regulatory effects of non-coding risk variants for asthma
- 12:30-13:00 José Alquicira
Cell-type-specific genetic effects on gene expression mediate autoimmune disease risk
Ponencia virtual
- 13:00-13:30 Alejandra Medina-Rivera
The rewards and challenges of constructing patient registries in Mexico: learned lessons from three national registries
- 13:30-14:00 Marcos Chiñas
Functional genomics points to NK cells as drivers in the pathogenesis of ankylosing spondylitis
- 14:00-15:00 *Pósters y refrigerio*

Simposio # 8: Genomics beyond academia

Chair: Daniela Ledezma

- 15:00-15:15 Beatriz Noriega Ortega
Creación y gestión de proyectos financiados por la Comisión Europea
Ponencia virtual

Simposio # 8: Genomics beyond academia

- 15:15-15:30 Estefanía García Ruíz
De las ciencias -ómicas a la nutrigenómica en nuestro bienestar integral
- 15:30-15:45 Ilse Valtierra
Mi experiencia como editora en Nature Communications
Ponencia virtual
- 15:45-16:00 Stephanie Vargas
Unleashing the Power of Recombinant Proteins: Transitioning from Academia to the Realm of Pre-clinical and Clinical Assays
Ponencia virtual
- 16:00-16:15 Agustín Ávila
De cuatro a veintisiete letras: cómo comunicar la genómica
- 16:15-16:30 Rocío Domínguez
Te sigues por Parque Jurásico, a la derecha en genómicas, pasas cáncer y te metes en Ag Tech
Ponencia virtual
- 16:30-16:45 Adrián Campos
Harnessing genomics for drug discovery at Regeneron
- 16:45-17:00 Alejandra Zayas
La comunidad científica como un agente de cambio en la sociedad civil
- 17:00 **Clausura del simposio**