



AMGH
ASOCIACIÓN MEXICANA
DE GENÉTICA HUMANA

RELAGH



Congreso

Genética Humana

y 9no Congreso Latinoamericano
de Genética Humana

12 al 14 de Noviembre 2025

Puerto Vallarta, México.

Hotel Sheraton Baganvilias





WELCOME

The Mexican Association of Human Genetics (AMGH) and the Latin American Network of Human Genetics warmly welcome you to the **50th National Congress of Human Genetics** and the **9th Latin American Congress of Human Genetics**, to be held from **November 12 to 14** in **Puerto Vallarta, Jalisco**.

Under the theme "*Honoring our history, building our future*," the 2025 congress is inspired by the most important milestones in genetics and genomics over the past 50 years, made possible by the integration of emerging technologies in molecular biology, cytogenetics and cytogenomics, computational genomics, and data analysis.

This edition will feature the distinguished participation of professors, attendees, and representatives from all **Human Genetics Societies in Latin America**, who form strategic alliances within the **Latin American Network of Human Genetics (RELAGH)**.

Puerto Vallarta offers global connectivity and the ideal infrastructure for international events of this scale. Its international airport and comprehensive range of services — including convention centers and hotels with top-level conference facilities — ensure a professional, comfortable, and successful congress.

We look forward to your participation and collaboration in this magnificent event.

Dr. Alejandro Gaviño Vergara
President, AMGH
Board of Directors 2024–2025



PARTICIPATING COUNTRIES AND SOCIETIES

18 countries y 22 societies

The **9th Latin American Congress of Human Genetics** brings together representatives from the network of societies, associations, and sections of human genetics from across Latin America. This meeting promotes collaboration among groups and individuals dedicated to the study of human genetics, strengthening scientific and academic exchange in the region



Other participating companies:

- Mexican Genetics Society
- Honduran Society of Human Genetics
- Central American Group of Human Genetics
- Human Genetics Association of Costa Rica
- Panamanian Society of Human Genetics



Agradecemos a nuestros patrocinadores

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GENERAL AGENDA OVERVIEW

WEDNESDAY 12 NOV	THURSDAY 13 NOV	FRIDAY 14 NOV				
8:00- 14:00 SPECIALIZED PRE-CONGRESS COURSES	7:00 – 8:00 MEET THE EXPERT / ROUND TABLE/ WORKSHOP	7:00 – 8:00 MEET THE EXPERT / ROUND TABLE/ WORKSHOP				
	8:00 – 10:00 PLATFORM PRESENTATIONS (scientific abstacts GO,CC, CG, BI)					
	BREAK AND COMMERCIAL VISIT					
	10:20 – 11:20 ACADEMIC SYMPOSIA					
	A1	A2	A3	B1	B2	B3
14:00 – 17:00 REGISTRATION Registration Area Sheraton Convention Center	11:20 – 12:20 KEYNOTE LECTURE (sponsored by Takeda)		11:20 – 12:20 KEYNOTE LECTURE (sponsored by PTC)			
	12:20 - 13:20 KEYNOTE LECTURE (sponsored by Biomarin)		12:20 - 13:20 KEYNOTE LECTURE (sponsored by Novartis)			
	13:20 – 15:00 DIGITAL POSTERS AND GEN-TALKS Commercial Expo					
	15:00 – 16:00 BREAK / LUNCH					
17:00 – 21:00 OPENING CEREMONY “50th Anniversary Lecture” Dr. Erick Green Plenary Session Sheraton Convention Center	16:00 – 17:00 KEYNOTE LECTURE Dra. Wendy Chung Plenary Session		16:00 – 17:00 KEYNOTE LECTURE Dr. S. Kingsmore Plenary Session			
	17:00 – 18:00 ACADEMIC SYMPOSIA					
	A4	A5	A6	B4	B5	B6
	RECESO Y VISITA COMERCIAL					
	18:00 – 19:45 MEXICAN ASSOCIATION OF HUMAN GENETICS BUSINESS SESSION		18:30 – 19:30 MEXICAN COLLEGE OF HUMAN GENETICS BUSINESS SESSION			



SITE MAP

Sheraton Baganvillias Convention Center





Congreso

Genética Humana

9no Congreso Latinoamericano
de Genética Humana
Puerto Vallarta, Jalisco

PRE-CONGRESS COURSES

12 de Noviembre 2025

#CNGH25

PRE-CONGRESS COURSES

Wednesday, November 10 – 12

1. Simulation Workshop in Medical Genetics

Monday, November 10

 *Simulation Center, Tec de Monterrey School of Medicine. Guadalajara, Jalisco.*

A hands-on training using simulated patients to practice clinical interrogation, dysmorphology evaluation, genetic counseling, and variant interpretation.

2. Applied Clinical Pharmacogenetics Workshop

Thursday, November 11

 *Tec de Monterrey School of Medicine. Guadalajara, Jalisco*

Explores genetic variability in pharmacokinetics and pharmacodynamics, ethnicity-based implementation, and clinical translation examples from Spain and Mexico.

3. Diagnostic Excellence in Cytogenetics: International Standards and Best Practices in the Genomic Era.

Wednesday, November 12

 *Salón Ceiba – Sheraton Puerto Vallarta*

Practical sessions on ISO:15189-2022 compliance, case-based learning, and cytogenetics reporting with international experts from MD Anderson (USA) and Latin America.

4. Beyond the Exome: Free Tools and Strategies to Solve the Undetectable.

Wednesday, November 12

 *Hybrid Mode – Salón Violeta- Sheraton Puerto Vallarta*

Theoretical-practical sessions on NGS, long-read sequencing, and free-access bioinformatics tools for complex genetic diagnosis.

5. Oncogenetics in Action: New Horizons in Cáncer

Wednesday, November 12

 *Salón Tulipán – Sheraton Puerto Vallarta*

Covers hereditary cancer syndromes, post-diagnosis management, biomarkers, exome applications, and clinical case discussions.



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Puerto Vallarta, Jalisco

PROGRAM

#CNGH25

Wednesday

November 12



8:00 AM

PRE-CONGRESS COURSES

**Diagnostic Excellence in
Cytogenetics: International
Standards and Best Practices in the
Genomic Era**
Salón Ceiba

**Beyond the Exome: Free Tools and
Strategies to Solve the Undetectable**
Salón Violeta

**Oncogenetics in Action: New
Horizons in Cáncer**
Salón Tulipán

14:00 PM

ATTENDEE REGISTRATION

14:00pm – 16:00pm

Centro de Convenciones Sheraton Baganvilias

17:00 PM

OPENING CEREMONY

17:00pm – 20:00 pm

Salón Orquidea

Centro de Convenciones Sheraton Baganvilias

18:30 PM

KEYNOTE LECTURE

“At the Forefront of Genomics: Making Genomic Medicine a Reality”

Dr. Eric D. Green

Ex-Director del National Institute of Human Genetics, USA.

Salón Orquidea

20:00 PM

COMMERCIAL EXPO OPENING

20:00pm–20:15pm

Expo Baganvilias

20:00 PM

WELCOME COCKTAIL

20:00pm–22:00pm

Expo Baganvilias

CNGH25

Thursday

November 13



6:00 AM

Breathe With Us – Breath With Love

Respiración consiente
Playa Hotel Sheraton

7:00 AM

Meet the Expert

Dr. Erick D. Green
Salón Violeta

"Microarreglos: los veteranos que siguen en primera línea de batalla en la era ómica"

Dr. Carlos Mata
Salón Tulipán

8:00 AM

Presentación Oral Trabajos Libres

CG-1, CG-2, CG-3, GR-4, GR-5,
GR-6, GR-7
Salón Violeta

GM-1, GM-2, GM-3, GM-4, GM-5,
GM-6, GM-7
Salón Orquídea

OG-1, OG-2, OG-3, OG-4,
OG-5
Salón Tulipán

10:00 AM

Coffee Break (Expo Comercial)

10:20 AM

SYMPOSIUM. "Closing the gap: Genetic detection and molecular knowledge about Cystic Fibrosis in Mexico"

A1 Salón VIOLETA	10:20-10:40	Newborn screening and confirmation of the diagnosis of cystic fibrosis in Mexico Where are we? Dr. David Cervantes Barragán
	10:40-11:00	Molecular profile of cystic fibrosis in the Mexican population. Dra. Lorena Sofía Orozco Orozco
10:20-11:20	11:00-11:20	Round Table. Where are we going in cystic fibrosis? Dr. David Eduardo Cervantes Barragán, Dra. Lorena Sofía Orozco Orozco

SYMPOSIUM. From Diagnosis to Action: The Role of the Geneticist as a Leader in Multidisciplinary Teams for the Comprehensive Management of SMA

A2 Salón TULIPÁN	10:20-11:00	The Role of the Geneticist as a Leader in Multidisciplinary Teams for the Comprehensive Management of SMA
10:20-11:20	11:10-11:20	Dra. Rosario Gueçaimburú Key takeaways. Q&A

SYMPOSIUM. "Biomarkers and Therapeutic Strategies in Metastatic Breast Cancer: From theory to clinical practice"

A3 Salón ORQUÍDEA	10:20-10:40	Implementation of biomarkers in metastatic breast cancer: Which patients, at what time and how to do it? Dra. Dionne Aguilar
	10:40-11:00	Evidence Translated into Practice: Biomarkers and the AKT/PI3KCA Pathway in Metastatic Breast Cancer.
10:20-11:20	11:00-11:20	Dra. Yanin Chavarri Key takeaways. Q&A Dr. Dionne Aguilar, Dra. Yannin Chavarri

General Assembly

Latin American Network of Human Genetics

10:20 -11:20

Moderator: Dr. Elías García

ONLY BY INVITATION- Salón Ejecutivo Citlali

11:20 PM

KEYNOTE LECTURE

"Celebrating 18 years of Effectiveness in Enzyme Replacement Therapy for Hunter Syndrome: Thanks and New Challenges"

Dr. Hernán Amartino y Dr. Omar Spencer Aguilar.
Salón Orquídea

CNGH25



12:20 PM

KEYNOTE LECTURE

"Vosoritide in Achondroplasia: What Have We Learned?"

Dra. Julieta de Victor

Salón Orquídea

13:20 PM

GEN-TALKS

Expo Buganvillas

Digital Posters
13:20 pm – 15:00 pm
Expo Buganvillas

13:30-14:00

"Small molecules, big stories: my journey with patients with phenylketonuria"

Dr. Liliana Fernandez

14:00-14:30

★ **EXCLUSIVE LAUNCH App RDCom** ★

"Artificial intelligence at the end of the diagnostic odyssey in rare diseases"

Dr. Jorgelina Stegmann y Dra. Agustina Pinheiro

15:00 PM

Comida Libre

16:00 PM

KEYNOTE LECTURE

Prenatal and newborn sequencing of patients with genic conditions

Dra Wendy Chung. Bostons Children Hospital

Salón Orquídea

17:00 PM

SYMPOSIUM "Myths and realities of Optical Genome Mapping International experiences"

A4
Salón
VIOLETA

17:00-17:20

Experience in Cytogenetics Reports in Cáncer.

Dr. Ming Zhao, MD Anderson Cáncer center

17:20-17:40

Latin American horizons in optical genome-GMO mapping: Challenges and opportunities

Dra. Liz Pardo, GLOBOCAN

17:00-18:00

17:40-18:00

Round Table. Q&A

Dra. Liz Pardo, Dr. Mig Zhao y Dr. Carlos Alonso

A5
Salón
ORQUÍDEA

17:00-17:25

SYMPOSIUM. "Genomic Neonatal Screening: Perspectives towards a new era"

Diagnostic benefits of long-read genome sequencing for short-read negative rare disease cases.

Dra. Wendy Chung. Bostons Children Hospital

17:25-17:50

Applications of long-read sequencing in clinical research in LatinAmerica

Dr. Alfredo Hidalgo Miranda.

17:00-18:00

17:50-18:00

Preguntas y Respuestas

SYMPOSIUM. "Omics Revolution: New Perspectives in Research and Treatment of Mitochondrial Diseases"

A6
Salón
TULIPÁN

17:00-17:20

"From Genes to Therapies: Advances in Rare Sensory and Mitochondrial Disorders"

Dr. Jean-Michelle Roset

17:20-17:40

"Beyond the genome: multi-omics approaches for rare disease research"

Dra. María Emilia Puig Lombardi

17:00-18:00

17:40-18:00

Round Table. Q&A

Dr. Jean-Michel Rozet, Dra. Maria Emilia Puig y Dr. Lucas Taile

18:00 PM

Meet and Greet

"Voices of the Future" – Student & Resident Session

MXARCLCOPEBRUYPYBOECCRP

18:00 – 20:00hrs

Expo Buganvillas

General Assembly

Mexican Association of Human Genetics

18:00pm – 19:30 pm

Moderate: Dr. Alejandro Gaviño

Salón Orquídea

Friday

Noviembre 14



6:00 AM

Breathe With Us – Breath With Love
Sheraton Beach

7:00 AM

DEBATE FORUM

Universal access to genetic testing,
¿Are we ready?
Dra. Talia Wegman y Dr. Leonardo Flores
Salón Violeta

NEXT STEPS:

Building a Bridge to the Cure for Cancer: What Will Next
Generation Diagnostics and Therapeutics Look Like?"
Dr. Robert Gasparini
NeoGenomics USA
Salón Tulipán

8:00 AM

Oral Presentations

BB-1, BB-2, BB-3, BB-4, BM-5, BM-6
Salón Violeta

EM-1, EM-2, EM-3, EM-4, TG-5, TG-6
Salón Orquídea

FT-1, FT-2, FT-3, FT-4, BM-5, BM-6
Salón Tulipán

10:00 AM

Coffe Break (Expo Comercial)

10:20 AM

B1 Salón VIOLETA		SYMPOSIUM. "Redefining genetic diagnosis: New tools, new cases, new answers" Multidisciplinary Clinical Case Session Dr. Esther Mizrahi Sacal When the exome changes the story: redefining a biochemical diagnosis in a mitochondrial disorder (MT-ATP6) Dr. Graciela Areli López Uriarte CentoDx and the future of genomic decentralization MSc. Jesse Franklin da Silveira Questions and Answers.
10:20-11:20	11:00-11:20	
B2 Salón TULIPÁN		SYMPOSIUM. "Hereditary Transthyretin Amyloidosis: From the first symptoms to the suspected diagnosis" Epidemiology and unmet needs Pearls in the approach to neuropathies Diagnosis of ATTRh: multidisciplinary approach. Overview of ATTRh treatment Questions and Answers. <i>Dra. Maria Eugenia Briseño Godínez</i>
10:20-11:20	11:10- 11:20	
A3 Salón ORQUÍDEA		GENO ROUNDS 2025 Clinical Case Competition Referees: Dra. Luisa Mariscal y Dr. Rolando Obiols Judges: Dra. Emi Yokoyama, Dr. Alejandro Claros, Lili Fernandez Cases presentations Awards
10:20-11:20	11:00-11:20	

11:20 PM

KEYNOTE LECTURE

"Gene Silencing and RNA Therapeutics in Rare Diseases"
Dr. Jorge Armando Rojas
Salón Orquídea

CNGH25

Viernes

Noviembre 14



12:20 PM

KEYNOTE LECTURE

"From Clinical Urgency to Prevention: SMA in Expanded Newborn Screening"

Dra. Paola Moyers y Dr. Jesus Armijo

Salón Orquídea

13:20 PM

Digital Posters
13:20 pm – 15:00 pm
Expo Buganvillas

13:30-14:00

★ **"Small steps, BIG stories"** ★

Dra. Norma de León Ojeda, Ana Hernández y Santiago Méndóza

"From researcher to Entrepreneur in Genetics: Everything you need to know"

Dra. Luz Marquez Quiróz

GEN-TALKS

Expo Buganvillas

15:00 PM

Dinner

16:00 PM

CONFERENCIA MAGISTRAL

"In Record Time: The Power of Rapid Whole-Genome Sequencing (rWGS)"

Dr. Steven Kingsmore

Salón Orquídea

17:00 PM

B4
Salón
VIOLETA
17:00-18:00

17:00-18:00

RELAGH SYMPOSIUM: Science, networks and human genetics in Latin America

Dra. Alejandra Mamapel, Dra. Rosa Andrea Pardo, Dra. Ida y Dr. José Elias García

B5
Salón
ORQUÍDEA
17:00-18:00

17:00-17:10

SYMPOSIUM. How to Write the Future in Genomics? Global Perspectives on Emerging Technologies in Human Genetics

Panel table: Dr. Erick Green y Dr. Steven Kingsmore

Moderator: Dra. Zacil Ha Vilchis

17:10- 18:00

Block 1: The new genomic frontier

Block 2: Technological convergence: AI, multiomics and translational medicine

Block 3: Writing the future: ethical education and global collaboration

B6
Salón
TULIPÁN
17:00-18:00

17:00-17:10

SYMPOSIUM. Between diagnosis and Dignity: structural challenges in Rare Diseases.

17:10-17:25

Intersectionality and inequality in rare diseases.

17:25-17:40

Sex-gender diversity and sexual rights in ER

17:40-17:55

Migration and Forced Mobilization in ER, Native Peoples and Indigenous Communities in ER

17:55-18:00

Functional diversities, Disability and Neurodivergences in ER.

Closing and agreements.

18:00 PM

Business Session

Mexican Association of Human Genetics

Moderator: Dra. Alejandra Camacho

Salón Violeta-Tulipán

20:45 PM

"50th ANNIVERSARY GALA "

"Human Genetics Research Awards 2025"

Salón Órquidea

CNGH25



BE PART of the MOVEMENT

Red Latinoamericana de Genética Humana (RELAGH)

<https://www.relagh.org>

Asociación Mexicana de Genética Humana

www.amgh.org.mx

