

# XVIII Course – Latin American School of Human and Medical Genetics

May 19-25, 2024, *Samuara Sky Hotel, Caxias do Sul, RS, Brazil*

Sunday, May 19		Monday, May 20	Tuesday, May 21	Wednesday, May 22	Thursday, May 23	Friday, May 24	Saturday, May 25
Arrivals Transfer to Hotel		08:00 to 12:30 <b>SYMPOSIUM 1: DNA AND BEYOND</b>	08:00 to 12:30 <b>SYMPOSIUM 2: POPULATION GENETICS</b>	08:00 to 12:30 <b>SYMPOSIUM 3: GENOMIC ANALYSIS AND DIAGNOSIS</b>	08:00 to 12:30 <b>SYMPOSIUM 4: GENETIC TOOLS FOR TREATMENT OF DISEASES</b>	08:00 to 12:30 <b>SYMPOSIUM 5: GENETICS, PUBLIC HEALTH AND EDUCATION</b>	Departures
	8:00	Molecular Basis of Diseases <i>U Matte</i>	Human Genome Diversity <i>D Comas</i>	Exome and Genome Sequencing on the Clinical Practice <i>P Lapunzina</i>	Innovative Therapies for Genetic Metabolic Diseases <i>R Giugliani</i>	Immunogenetics <i>F Vianna</i>	Transfer to Airport
	09:00	Modeling Diseases Using Organoids <i>S Avansini</i>	Population Medical Genetics <i>I Orioli</i>	Prenatal Genomics <i>B Levy</i>	Genome Editing and Gene Therapy <i>G Baldo</i>	Bioethics and Genetics <i>U Matte</i>	
	10:00	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break	
	10:30	The ever-changing world of RNAs <i>I Lopes-Cendes</i>	From N-of-1 to N-of-1000s <i>F Vairo</i>	Animal models for the study of Monogenic Diseases <i>L Lambert</i>	Molecular Targeted Drugs <i>R Ortiz-Lopez</i>	AI and Genetic Education <i>I Zarante</i>	
	11:30	Epigenetics <i>R Urrutia</i>	Genetics of Complex Diseases <i>A Rojas-Martinez</i>	System Biology Approaches <i>R Urrutia</i>	Gene Therapy for Cancer <i>M Bonamino</i>	The History of Genetics in Latin America <i>L Schuler-Faccini</i>	
	12:30	Lunch with Faculty	Lunch with Faculty	<b>Official ELAG Picture</b> Lunch with Faculty	Lunch with Faculty	Lunch with Faculty	
	14:00	<b>Short courses 1, 2 or 3</b> (group 1)	<b>Short courses 1, 2 or 3</b> (group 1)	<b>Networking Afternoon</b>	<b>Short courses 1, 2 or 3</b> (group 2)	<b>Short courses 1, 2 or 3</b> (group 2)	
15:30	Coffee break	Coffee break	Coffee break		Coffee Break		
16:00	<b>Short courses 4, 5 or 6</b> (group 1)	<b>Short courses 4, 5 or 6</b> (group 1)	<b>Focal Groups</b>		Workshop 2: Accelerating access to genomics for global health <i>I Lopes-Cendes</i> <i>M Larrandaburu</i>		
18:00	<b>Poster Session</b>	Workshop 1: RELAGH and Collaborations in Latin America <i>J E Garcia-Ortiz</i> <i>M Larrandaburu</i>		<b>Networking Activity</b>	Evaluation and Closing Remarks <i>R Giugliani</i>		
20:30 - Dinner	20:00	Dinner	Dinner	Dinner	Dinner	Dinner	

**SHORT COURSE:** Next Generation Sequencing  
**SHORT COURSE:** Variant interpretation  
**SHORT COURSE:** Functional genomics

**SHORT COURSE:** Genetics epidemiology  
**SHORT COURSE:** Preclinical studies for genetic diseases  
**SHORT COURSE:** Evolutive medicine