

XVIII COURSE – LATIN AMERICAN SCHOOL OF HUMAN AND MEDICAL GENETICS – PRELIMINARY PROGRAM

April 06 - April 12, 2025, *Samuara Hotel, Caxias do Sul, RS, Brazil*

Sunday April 06		Monday April 07	Tuesday April 08	Wednesday April 09	Thursday April 10	Friday April 11	Saturday April 12
		08:00 to 12:30 SYMPOSIUM 1: DNA AND BEYOND <i>R Giugliani</i>	08:00 to 12:30 SYMPOSIUM 2: POPULATION GENETICS <i>U Matte</i>	08:00 to 12:30 SYMPOSIUM 3: GENOMIC ANALYSIS AND DIAGNOSIS <i>A Rojas-Martinez</i>	08:00 to 12:30 SYMPOSIUM 4: GENETIC TOOLS FOR TREATMENT OF DISEASES <i>I Lopes-Cendes</i>	08:00 to 12:30 SYMPOSIUM 5: GENETICS, PUBLIC HEALTH, AND EDUCATION <i>J Lopez-Camelo</i>	Departures Transfer to Airport
Arrivals	8:00	Molecular Basis of Diseases <i>U Matte</i>	Human Genome Diversity <i>D Comas</i>	Exome and Genome Sequencing in the Clinical Practice <i>P Lapunzina</i>	Innovative Therapies for Genetic Metabolic Diseases <i>R Giugliani</i>	Immunogenetics <i>F Vianna</i>	
Transfer to Hotel	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>V Penchaszadeh</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>	
19:30 Opening Session	12:30	Lunch with Faculty	Lunch with Faculty	Official ELAG Picture Lunch with Faculty	Lunch with Faculty	Lunch with Faculty	
Introduction to ELAG's 18th Course	14:00	Short courses 1, 2 or 3 (group 1)	Short courses 1, 2 or 3 (group 1)	Networking Afternoon	Short courses 1, 2 or 3 (group 2)	Short courses 1, 2 or 3 (group 2)	
	15:30	Coffee break	Coffee break		Coffee break	Coffee Break	
	16:00	Short courses 4, 5 or 6 (group 1)	Short courses 4, 5 or 6 (group 1)		Focal Groups	Workshop 2: Accelerating Access to Genomics for Global Health <i>I Lopes-Cendes,</i> <i>V Penchaszadeh</i>	
<i>R Giugliani</i> <i>U Matte</i> <i>J E Garcia-Ortiz</i>	18:00	Poster Session	Workshop 1: RELAGH and Collaborations in Latin America <i>J E Garcia-Ortiz</i>	Networking Activity	Evaluation and Closing Remarks <i>R Giugliani</i>		
20:30 Dinner	20:00	Dinner	Dinner (Multicultural)	Dinner	Dinner	Dinner	

SHORT COURSE: Next Generation Sequencing - *Lopes-Cendes (Chair), P Lapunzina, B Levy*

SHORT COURSE: Variant interpretation - *F Vairo (Chair), F Vianna, U Matte*

SHORT COURSE: Functional genomics - *A Rojas-Martinez (Chair), R Urrutia, R Ortiz-Lopez*

SHORT COURSE: Genetics epidemiology - *J Lopez-Camelo (Chair), H Krupitzki, J Gili, L Gimenez*

SHORT COURSE: Preclinical studies for genetic diseases - *G Baldo (Chair), L Lambert, S Avansini, M Bonamino*

SHORT COURSE: Evolutionary medicine and population medical genetics - *D Comas (Chair), L Schuler-Faccini, I Orioli, V Penchaszadeh*