



IX LACLS D

LATIN AMERICAN COURSE ON
LYSOSOMAL STORAGE DISEASES

September 14 - 18, 2026

Antigua, Guatemala

CERTIFICATE

This is to certify that

Mariano Fernandez

Attended the IX LACLS D held in Antigua, Guatemala, on September 14th to 18th, 2026.
The event had a total duration of 25 hours (program and details are provided on the back).

Roberto Giugliani
(Course Chairman)

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PROGRAM AT A GLANCE

September 14 - 18, 2026
Antigua, Guatemala

	SEP 14 - Monday	SEP 15 - Tuesday	SEP 16 - Wednesday	SEP 17 - Thursday	SEP 18 - Friday
		SESSION 2 (Chair: <i>N Gomez-Ospina</i>)	SESSION 6 (Chair: <i>H Amartino</i>)	SESSION 8 (Chair: <i>P Rozenfeld</i>)	SESSION 12 (Chair: <i>U Ramaswami</i>)
08:00 – 08:40	Arrivals	Clinical Aspects and Management of Gaucher Disease <i>Gregory Pastores (UK)</i>	Laboratory Diagnosis of MPS and Related Diseases <i>Francyne Kubaski (USA/Brazil)</i>	Niemann Pick C and other Lysosomal Transport Diseases <i>Andrés Klein (Chile)</i>	Presentation of selected cases by delegates <i>Discussion with all faculty members, moderated by Luis Figuera (Mexico) and Uma Ramaswami (UK)</i>
08:40 – 09:20		Laboratory Diagnosis of Gaucher Disease <i>Paula Rozenfeld (Argentina)</i>	Treatment for MPS and Related Diseases <i>Joseph Muenzer (USA)</i>	GM1 and GM2 Ceroid Lipofuscinoses <i>Hernán Amartino (Argentina)</i>	SESSION 13 (Chair: <i>G Baldo</i>)
09:20 – 10:00		Acid Sphingomyelinase Deficiency <i>Roberto Giugliani (Brazil)</i>	Hematopoietic Stem Cell Transplantation in LDs <i>Carmem Bonfim (Brazil)</i>	MLD, Krabbe and other Leukodystrophies <i>Natalia Gomez-Ospina (USA/Colombia)</i>	Gene Therapy for LDs <i>Raphael Schiffmann (USA)</i>
10:00 – 10:30		Official Picture / Coffee Break	Coffee Break	Coffee Break	
10:30 – 11:10		SESSION 3 (Chair: <i>G Pastores</i>)	SESSION 7 (Chair: <i>J Muenzer</i>)	SESSION 9 (Chair: <i>C Prada</i>)	Genome Editing for LDs <i>Natalia Gomez-Ospina (USA/Colombia)</i>
11:10 – 11:50		Clinical Aspects and Management of Pompe <i>Uma Ramaswami (UK)</i>	Clinical Aspects, Diagnosis and Management of Fabry <i>Uma Ramaswami (UK)</i>	Inflammation and LDs <i>Paula Rozenfeld (Argentina)</i>	
11:50 – 12:30		Laboratory Diagnosis of Pompe Disease <i>Francyne Kubaski (USA/Brazil)</i>	Key Questions on Gaucher, Fabry and Pompe Disease <i>(Discussion led by Gregory Pastores)</i>	Drug Development Process from Bench to Pharmacy <i>Guilherme Baldo (Brazil)</i>	Key Takeaways Closure <i>Roberto Giugliani (Brazil)</i>
12:30 – 14:00		Clinical Aspects of MPS and Related Diseases <i>Joseph Muenzer (USA)</i>	Use and pitfalls of AI in the diagnosis and treatment of the LDs <i>Raphael Schiffmann (USA)</i>	Modifier Genes in Lysosomal Diseases <i>Andrés Klein (Chile)</i>	NOTE: Course will adjourn by 11:30 to allow timely transfers to the airport
		Lunch at hotel	Lunch at hotel	Lunch at hotel	Lunch at hotel
14:00 – 14:40	Secretary Open (from 14:00)	SESSION 4 (Chair: <i>R Schiffmann</i>)	Networking Afternoon and Evening	SESSION 10 (Chair: <i>A Klein</i>)	Departures
14:40 – 15:20		Alpha-Mannosidosis and other Glycoproteinoses <i>Carlos Prada (USA/Colombia)</i>		Neonatal Screening for LDs <i>Carlos Prada (USA/Colombia)</i>	
15:20 – 16:00		Mechanism of Neurodegeneration in LDs <i>Hernán Amartino (Argentina)</i>		Diagnosis of LDs in the Multiomic Era <i>Filippo Vairo (USA/Brazil)</i>	
	Welcome Reception (15:30)	Variant Interpretation Guidelines for LDs <i>Filippo Vairo (USA/Brazil)</i>		What an Emerging LSD Specialist Should Understand? <i>Uma Ramaswami (UK), Gregory Pastores (UK), Raphael Schiffmann (USA), Joseph Muenzer (USA)</i>	
16:00 – 16:30		SESSION 1 (Chair: <i>R Giugliani</i>)		Coffee Break	
		Welcome and Introduction <i>Roberto Giugliani (Brazil)</i>			
16:30 – 17:10	Cell Biology and Biochemistry of Lysosomes <i>Guilherme Baldo (Brazil)</i>	SESSION 5 (Chair: <i>F Vairo</i>)		SESSION 11 (Chair: <i>F Vairo</i>)	
17:10 – 17:50		Group work: Preliminary presentation of cases by delegates in small groups <i>(Supervised by faculty members)</i>		Group work (cont.): Preliminary presentation of cases by delegates in small groups <i>(Supervised by faculty members)</i>	
17:50 – 18:30	Clinical Overview and Genetic Aspects of LDs <i>Luis Figuera (Mexico)</i>			20:30 - Special Dinner	
Evening	19:00 - Dinner at hotel	20:00 - Dinner at hotel			