

# VII LATIN AMERICAN COURSE ON LYSOSOMAL STORAGE DISEASES

Gamboa Rainforest Hotel, Panama, October 16-21, 2022

## CERTIFICATE

We hereby certify that

**Alice Brinckmann Oliveira Netto**

attended the VII Latin American Course on Lysosomal Storage Diseases (LACLS), held in Panama City, Panama, from October 16 to October 21, 2022, Panama City, Panama (duration = 30 hours - Program attached).



Roberto Giugliani  
(on behalf of the Scientific Committee)

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**PROGRAM AT A GLANCE – VII LATIN AMERICAN COURSE ON LYSOSOMAL STORAGE DISEASES 2022 – OCTOBER 16-21, 2022 – PANAMA**

Oct 16, Sunday	Time	Oct 17, Monday	Time	Oct 18, Tuesday	Time	Oct 19, Wednesday	Time	Oct 20, Thursday	Oct 21, Friday	
		<b>Breakfast</b>		<b>Breakfast</b>		<b>Breakfast</b>		<b>Breakfast</b>	<b>Breakfast</b>	
		<b>SESSION 1: Introduction to LSDs</b> Chair: <i>R Giugliani</i>		<b>SESSION 5: Fabry Disease</b> Chair: <i>L Figuera</i>		<b>SESSION 8: Other LSDs</b> Chair: <i>L Figuera</i>		<b>SESSION 9: Case Reports</b> Chairs: <i>L Figuera &amp; F Vairo</i>		
	08:00-08:30	Welcome and Introduction <i>R Giugliani</i>		Clinical Aspects, Management and Follow up <i>R Schiffmann</i>	08:30-09:15	Niemann-Pick type C and Defects of Lysosomal Membrane <i>M T Vanier</i>	08:30-10:00	Presentation of cases by the students and discussion with faculty members		
	08:30-09:15	Cell Biology and Biochemistry of Lysosomes <i>G Baldo</i>	08:30-09:30							
	09:15-10:00	Pathophysiology of LSDs <i>R Schiffmann</i>	09:30-10:00	Biochemical and Genetic Diagnosis <i>M Burin &amp; F Kubaski</i>	09:15-10:00	Neurodegeneration and Leukodystrophies <i>H Amartino</i>				
	10:00-10:30	<b>Coffee Break</b>	10:00-10:30	<b>Coffee Break</b>	10:00-10:30	<b>Coffee Break</b>	10:00-10:30	<b>Coffee Break</b>		
		<b>SESSION 1 (cont.): Introduction to LSDs</b>		<b>SESSION 6: Gangliosidoses</b> Chair: <i>G Pastores</i>		<b>SESSION 8 (cont.): Other LSDs</b>		<b>SESSION 9 (cont.): Case Reports</b>		
	10:30-11:15	Clinical Overview of LSDs <i>G Pastores</i>	10:30-11:30	GM1 and GM2 Gangliosidosis: Clinical Aspects and Management <i>H Amartino</i>	10:30-11:15	Acid Sphingomyelinase Deficiency: Clinical Aspects and Management <i>M T Vanier</i>	10:30-11:30	Presentation of cases by the students and discussion with faculty members		
	11:15-12:00	Genetic Aspects and Molecular Diagnosis of LSDs <i>L Figuera</i>	11:30-12:00	<b>Sponsored talk</b> <i>Gene Therapy for GM1 gangliosidosis and other neurodegenerative diseases</i> <i>D Weinstein</i>	11:15-12:00	Newborn screening for LSDs <i>R Giugliani</i>				
	12:00-14:00	<b>Lunch</b>	12:00-14:00	<b>Lunch</b>	12:00-13:30	<b>Lunch</b>	11:30-13:00	<b>Lunch</b>		
		<b>SESSION 2: Gaucher Disease</b> Chair: <i>H Amartino</i>		<b>SESSION 7: Mucopolysaccharidoses</b> Chair: <i>H Amartino</i>		(time reserved for preparation of case presentations)  <b>13:30 – 22:00</b> <b>OPTIONAL NETWORKING TOUR</b> <b>(not part of the course program)</b>		<b>SESSION 10: Wrap-up</b> Chair: <i>R Giugliani</i>		
	14:00-14:30	Clinical Aspects <i>G Pastores</i>	14:00-14:45	Clinical Aspects <i>J Muenzer</i>			13:00-13:45	Inflammation and LSDs <i>P Rozenfeld</i>		
	14:30-15:00	Biochemical and Genetic Diagnosis <i>P Rozenfeld</i>	14:45-15:00	Alpha-Mannosidosis and Glycoproteinosis <i>J Muenzer</i>			13:45-14:45	Hematopoietic Stem Cell Transplantation in LSDs <i>C Bonfim</i>		
	15:00-15:30	Gaucher disease: Management and Follow-Up <i>G Pastores</i>	15:00-15:40	Biochemical and Genetic Diagnosis of MPS and Glycoproteinosis <i>M Burin &amp; F Kubaski</i>			14:45-15:15	<b>Coffee Break</b>		
	15:30-16:00	<b>Coffee Break</b>	15:40-16:10	<b>Coffee Break / Official Picture</b>				<b>SESSION 10 (cont.): Wrap-up</b>		
		<b>SESSION 3: Pompe Disease</b> Chair: <i>M T Vanier</i>		<b>SESSION 7 (cont.): Mucopolysaccharidoses</b>				15:15-16:00	Diagnosis of LSDs in the Genomic Era <i>F Vairo</i>	
	16:00-17:00	Clinical Aspects, Management and Follow up <i>H Amartino</i>	16:10-16:50	Treatment for MPS: Approved Therapies <i>R Giugliani</i>				16:00-16:30	Genome Editing <i>G Baldo</i>	
	17:00-17:30	Biochemical and Genetic Diagnosis <i>M Burin &amp; F Kubaski</i>							16:30-17:30	Gene Therapy and Future Prospects <i>R Schiffmann</i>
	17:30-18:00	<b>Refreshments</b>								
	18:00-20:00	<b>SESSION 4: Group work:</b> Preparation of Case Presentations Chair: <i>F Vairo</i>	16:50-17:30	Treatment for MPS: New Therapies <i>J Muenzer</i>				17:30	Closure <i>R Giugliani</i>	
<b>Dinner</b>	20:00-22:00	<b>Dinner</b>	20:00-22:00	<b>Dinner</b>	20:00-22:00	<b>Dinner</b>	20:00-22:00	<b>Dinner</b>		

Arrivals and Check-in  
19:00 - Welcome Reception

Check-out and departures