

## GENERAL PROGRAM

August 26 (Tuesday)	
16:30 – 20:45	<b>Exhibition Hall</b> Room: PETRÓPOLIS A
14:00-16:00	<b>Pre-event Activity: Mini course</b> <b>Prof. Kattesh V. Katti</b> (Distinguished Curators' Professor of Radiology and Physics, Director, Institute of Green Nanotechnology, University of Missouri, USA) Title: <b>Green Nanotechnology</b> Room: PETRÓPOLIS B + C
17:00 – 17:30	<b>Opening Ceremony XIII COLAOB</b> <b>Prof. Roberto Medronho</b> , Rector of the Federal University of Rio de Janeiro (UFRJ) <b>Dr. Caroline Alves</b> , President of the FAPERJ (Foundation for Research Support of the State of Rio de Janeiro) <b>Eng. Miguel Fernández</b> , President of the CREA-RJ (Regional Council of Engineering and Agronomy of Rio de Janeiro) <b>Prof. Joachim Kohn</b> , President of the International Union of Societies for Biomaterials Science and Engineering (IUSBSE) <b>Prof. Ana Paula Rosifini</b> , President of the Latin America Society of Biomaterials, Tissue Engineering and Artificial Organs (SLABO) <b>Prof. Rossana Thiré</b> , President of the XIII Latin American Congress of Artificial Organs and Biomaterials (COLAOB 2025) Room: PETRÓPOLIS B + C
17:30 – 17:50	<b>Supporting Institution Conference</b> <b>Eng. Miguel Fernández</b> (President of CREA-RJ, Brazil) Room: PETRÓPOLIS B + C
17:50 – 18:50	<b>Opening Plenary Conference</b> <b>Prof. Joachim Kohn</b> (Distinguished Professor Emeritus, Rutgers University, EUA; President of International Union of Societies for Biomaterials Science and Engineering - IUSBSE) Title: <b>The Evolving Nature of Global Biomaterials Research</b> Room: PETRÓPOLIS A + B
18:50 – 20:50	<b>Welcome Cocktail</b> Room: FOYER 3 <sup>rd</sup> Floor

August 27 (Wednesday)			
8:00 – 19:10	<b>Exhibition Hall</b> Room: PETRÓPOLIS A		
8:30-9:20	<b>Plenary Conference 1</b> <b>Prof. Marisa Masumi Beppu</b> (UNICAMP, Campinas, Brazil) Title: <b>Chitosan as Biomaterial Building Block: A Perspective of Two Decades of Research</b> Room: PETRÓPOLIS B + C		
9:20-10:10	<b>Plenary Conference 2</b> <b>Prof. Bozena B. Michniak-Kohn</b> (Rutgers University, USA) Title: <b>Clotrimazole coated microneedle systems: Development and Optimization</b> Room: PETRÓPOLIS B + C		
10:10-10:30	<b>Coffee Break</b> Rooms: FOYER 1 <sup>st</sup> Floor, FOYER 3 <sup>rd</sup> Floor		
10:30 - 12:00	<b>Oral Session 1</b> Room: PETRÓPOLIS C	<b>Oral Session 2</b> Room: PETRÓPOLIS B	<b>Oral Session 3</b> Room: CABO FRIO A
10:30-11:00	<b>KEYNOTE 1</b> <b>Prof. Ignacio Arias</b> (University of Chile, Chile)  Title: <b>Advancements in Veterinary Regenerative Medicine: The Role of Type X Collagen-Rich Eggshell Membrane in Tissue Engineering and Clinical Orthopaedics</b>	<b>KEYNOTE 2</b> <b>Dr. Maria Grazia Raucci</b> (IPCB-CNR, Italy)  Title: <b>Advanced Injectable Calcium Phosphates Systems for Targeted Bone Repair and Regeneration</b>	<b>KEYNOTE 3</b> <b>Prof. Carlos Roberto Grandini</b> (UNESP/Bauru, Brazil)  Title: <b>New Perspectives on Ti Alloys for Biomedical Applications</b>
11:00-11:20	Oral 1.1	Oral 2.1	Oral 3.1
11:20-11:40	Oral 1.2	Oral 2.2	Oral 3.2
11:40-12:00	Oral 1.3	Oral 2.3	Oral 3.3
12:00-14:00	<b>Lunch</b>		
14:00-14:50	<b>Plenary Conference 3</b> <b>Prof. Kattesh Katti</b> (University of Missouri, USA) Title: <b>Bio-Inspired Nanomaterials in Bone Health and Bone Metabolism</b> Room: PETRÓPOLIS B + C		
	<b>IUSBSE Annual General Meeting (AGM)</b> <b><u>Closed Session</u></b> Room: CABO FRIO A		

15:10-16:50	<b>Oral Session 4</b> Room: PETRÓPOLIS C	<b>Oral Session 5</b> Room: PETRÓPOLIS B	<b>IUSBSE Annual General Meeting (AGM)</b> <u><b>Closed Session</b></u> Room: CABO FRIO A
15:10-15:30	Oral 4.1	Oral 5.1	
15:30-15:50	Oral 4.2	Oral 5.2	
15:50-16:10	Oral 4.3	Oral 5.3	
16:10-16:30	Oral 4.4	Oral 5.4	
16:30-16:50	Oral 4.5	Oral 5.5	
16:50-17:10	<b>Coffee Break</b> Rooms: FOYER 1 <sup>st</sup> Floor, FOYER 3 <sup>rd</sup> Floor		
17:10-19:10	<b>Poster Session I</b> Rooms: CABO FRIO B + C +D		

August 28 (Thursday)	
8:00 – 19:10	<b>Exhibition Hall</b> Room: PETRÓPOLIS A
8:30-9:20	<b>Plenary Conference 4</b> <b>Prof. Ketul Popat</b> (George Mason University, USA) Title: <b>Bio-Functionalization of Titanium Surfaces to Improve Antibacterial Efficacy of Implants</b> Room: PETRÓPOLIS B + C
9:20-10:10	<b>Plenary Conference 5</b> <b>Dr. Ana Lopes Ribeiro</b> (INL, Portugal) Title: <b>Advancing In Vitro Human Skin Models for Safety Assessment of Nanoparticles: from 2D to organ-on-chip models</b> Room: PETRÓPOLIS B + C
10:10-10:30	<b>Coffee Break</b> Rooms: FOYER 1 <sup>st</sup> Floor, FOYER 3 <sup>rd</sup> Floor

10:30 - 12:00	<b>Oral Session 6</b> Room: PETRÓPOLIS C	<b>Oral Session 7</b> Room: PETRÓPOLIS B	<b>Oral Session 8</b> Room: CABO FRIO A
10:30-11:00	<b>KEYNOTE 4</b> <b>Prof. Wei Liu</b> (Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, P.R. China) <b>Title: Piezoelectric nanofilms fabricated by coaxial electrospun polycaprolactone/Barium titanate promote Achilles tendon regeneration by reducing IL-17A/NF-κB-mediated inflammation</b>	<b>KEYNOTE 5</b> <b>Dr. Ademar Lugão</b> (CNEN/IPEN, Brazil) <b>Title: Affordable and advanced dressings and dressings for genetic diseases</b>	<b>KEYNOTE 6</b> <b>Dr. Julietta V. Rau</b> (ISM-CNR, Rome, Italy) <b>Title: Biomaterials for Medical Implants: Innovations and Emerging Trends</b>
11:00-11:20	Oral 6.1	Oral 7.1	Oral 3.1
11:20-11:40	Oral 6.2	Oral 7.2	Oral 3.2
11:40-12:00	Oral 6.3	Oral 7.3	Oral 3.3
12:00-12:20	-	Oral 7.4	-
12:20-14:00	<b>Lunch</b>		
14:00-14:50	<b>Plenary Conference 6</b> <b>Prof. Sara Feldman</b> (National University of Rosario and CONICET, Argentina) <b>Title: Regenerative bone medicine using scaffolds developed through molecular biology techniques</b> Room: PETRÓPOLIS B + C		
15:10-16:50	<b>Oral Session 9</b> Room: PETRÓPOLIS C	<b>Oral Session 10</b> Room: PETRÓPOLIS B	<b>Workshop of Bioengineering and Tissue Repair (PPBTC/ICB/UFRJ)</b> Room: CABO FRIO A
15:10-15:30	Oral 4.1	Oral 5.1	<b>15:10 – A Biopolymer for Spinal Cord Injury Treatment</b> Prof. Tatiana Sampaio (UFRJ). <b>15:40 - How to Market Biomaterials with Value for Regenerative Medicine</b> Dr. Renato Rozental (FIOCRUZ) <b>15:10 - Student Oral Presentation Session</b>
15:30-15:50	Oral 4.2	Oral 5.2	
15:50-16:10	Oral 4.3	Oral 5.3	
16:10-16:30	Oral 4.4	Oral 5.4	
16:30-16:50	Oral 4.5	Oral 5.5	

16:50-17:10	<b>Coffee Break</b> Rooms: FOYER 1 <sup>st</sup> Floor, FOYER 3 <sup>rd</sup> Floor
17:10-19:10	<b>Poster Session I</b> Rooms: CABO FRIO B + C +D

August 29 (Friday)	
8:00 – 19:10	<b>Exhibition Hall</b> Room: PETRÓPOLIS A
8:30-9:20	<b>Plenary Conference 7</b> <b>Dr. Vanja Dakic</b> (EPISKIN, L’Oreal) Title: <b>Tissue engineering and its application in research and development</b> Room: PETRÓPOLIS B + C
9:20-11:00	<b>Round Table</b> <b>Enabling Clinical Translation: Regulatory Insights for Researchers and Developers</b>  Skin-on-chip models for toxicology ( <b>Ana Lopes Ribeiro, INL, Portugal</b> ) Scientific Entrepreneurship: Reflections on the Journey of Founding GCell ( <b>Leandra Baptista, GCell</b> ) Use of 3D models for cosmetics safety and efficacy ( <b>Rodrigo De Vecchi, L’Oreal France</b> ) Moderator: <b>José Mauro Granjeiro (Inmetro/UFF)</b>  Room: PETRÓPOLIS B + C
11:00-11:20	<b>Coffee Break</b> Rooms: FOYER 3 <sup>rd</sup> Floor
11:20-13:00	<b>Latin American Society of Biomaterials, Tissue Engineering and Artificial Organs (SLABO) General Meeting</b> Prof. Ana Paula Rosifini Alves, President of SLABO Room: PETRÓPOLIS B + C
13:00-14:00	<b>Closing Ceremony and Awards</b> Prof. Rossana Thiré, President of COLAOb 2025 Room: PETRÓPOLIS B + C

# CONGRESS MAP

## HILTON COPACABANA HOTEL

Avenida Atlântica 1020, Copacabana,  
Rio de Janeiro, Brazil

### XIII COLAOB

RIO DE JANEIRO - BRAZIL - 26-29TH AUGUST 2025  
XIII Latin American Congress of Artificial Organs and Biomaterials (COLAOB 2025)  
XIII Congress of Latin American Society of Artificial Organs (SOLABO)

