

Programa do XI Simpósio Internacional de Biologia Molecular de Tripanossomatídeo

Monday, 05/08 - Morning

Session	Time	Conferences	Speaker
1	8:30 - 9:00	Welcome session	
2	9:00-10:00	Structure and Cellular Biology of Trypanosomatids	Dra. Adriana Magdalena Parodi Instituto Pasteur de Montevideo, Uruguai
	10:00-10:30	Coffee Break/ Poster Presentation	
3	10:30-11:30	Nuclear and Chromatin Structure	Dr Sergio Schenckman UNIFESP, Brasil.
4	11:30-12:30	Genomic Analysis and Gene Expression	Dr. Gonzalo Greif Instituto Pasteur Montevideo, Uruguai

05/08 - Afternoon

Session	Time	Theoretical Activities	Speaker
5	14:00-15:00	Drug Resistance Mechanisms and Genome Plasticity	Dr. Omar Triana Universidad de Antioquia, Colombia
6	15:00-16:00	Bioinformatics: from gene to protein and drug design	Dra Rafaela Salgado Ferreira UFMG, Brazil
	16:00-16:30	Coffee Break/ Poster Presentation	
7	16:30-17:30	Drug development in Trypanosomatids	Dra Silvane Murta Fiocruz MG, Brasil
8	17:30-18:30	From Drug Platform to Patients	Dra Daniela de Melo Resende Fiocruz MG, Brasil

Tuesday, 06/08 - Morning

Session	Time	Theoretical Activities	Speaker
9	09:00-10:00	Genome and Comparative Genomics	Dr. Fernando Gustavo Álvarez Valín. Universidad de la Republica, Uruguay
	10:00-10:30	Coffee Break/ Poster Presentation	
10	10:30-11:30	Cell Cycle and DNA Replication	Dra. Maria Carolina Elias Instituto Butantan, Brasil
11	11:30-12:30	Epigenetic Control	Dra. Julia Pinheiro Chagas da Cunha Instituto Butantan, Brasil

BIOTECHNOLOGY PRACTICES ON TRYPANOSOMATIDS – 06/08 - Afternoon

Time	Practical Activities
14:00-18:00	Practices 1. Drug development platform (Fiocruz). 2. Bioinformatics: From gene to protein and drug design (UFMG). 3. DNA damage detection to dormancy (UFMG). 4. Biotechnology for the generation of CRISPR-edited <i>T. cruzi</i> mutant cells (Fiocruz)"

Wednesday 07/08 - Morning

Session	Time	Theoretical Activities	Speaker
12	8:00-9:00	Transcription Mechanisms	Dr. Esteban Carlos Serra , Instituto de Biología Molecular de Rosario, Argentina
13	9:00-10:00	Gene Expression Regulation.	Dra. Andrea Ávila Fiocruz PR, Brasil.
	10:00-10:30	Coffee Break/ Poster Presentation	
14	10:30-11:30	Signal Transduction	Dr. Guillermo Alonso Instituto de Investigaciones en Ingeniería Genética y Biología Molecular "Dr Héctor Torres", Argentina
15	11:30-12:30	Multigene families and membrane proteins in trypanosomatids	Dra. Daniella Bartholomeu UFMG, Brazil

BIOTECHNOLOGY PRACTICES ON TRYPANOSOMATIDS – 07/08 - Afternoon

Time	Practical Activities
14:00-18:00	Practices 1. Drug development platform (Fiocruz). 2. Bioinformatics: From gene to protein and drug design (UFMG). 3. DNA damage detection to dormancy (UFMG). 4. Biotechnology for the generation of CRISPR-edited <i>T. cruzi</i> mutant cells (Fiocruz)"

Thursday 08/08 - Morning

Session	Time	Theoretical Activities	Speaker
16	8:00-9:00	Parasite-Host Interaction: cell and tissue infection	Dra Ulrike Kemmerling, Universidad de Chile, Chile.
17	9:00-10:00	Parasite-Host Interaction: Immune Response	Dra Karina Gómez Instituto de Investigaciones en Ingeniería Genética y Biología Molecular "Dr Héctor Torres", Argentina

	10:00-10:30	Coffee Break/ Poster Presentation	
18	10:30-11:30	Development of vaccines for diseases caused by trypanosomatids.	Dra Santuza Teixeira. UFMG, Brazil
19	11:30-12:30	Typing and Classification of Trypanosomatids	Dr. Alejandro Schijman Instituto de Investigaciones en Ingeniería Genética y Biología Molecular "Dr Héctor Torres", Argentina

BIOTECHNOLOGY PRACTICES ON TRYPANOSOMATIDS – 08/08 - Afternoon

Time	Practical Activities
14:00-18:00	Practices 1. Drug development platform (Fiocruz). 2. Bioinformatics: From gene to protein and drug design (UFMG). 3. DNA damage detection to dormancy (UFMG). 4. Biotechnology for the generation of CRISPR-edited <i>T. cruzi</i> mutant cells (Fiocruz)"

Friday 09/08 -

Time	Title	Speaker
8:30-9:00	Understanding the role of Trans-sialidase during <i>T. cruzi</i> infection	Dra. Santuza Teixeira - UFMG
9:00-9:30	Plasticidade genômica de <i>Trypanosoma cruzi</i> e implicações na infectividade do parasito	Dra. Daniella Bartholomeu - UFMG
9:30-10:00	Computational approaches to discover cruzipain inhibitors and understand the structural characteristics of cruzipain subtypes	Dra. Rafaela Salgado - UFMG
10:00-10:30	Searching for new drugs and potential molecular targets for Chagas disease and Leishmaniasis chemotherapy	Dra. Silvane Murta - Fiocruz
10:30-11:00	<i>Coffee Break</i>	
11:00-11:15	EVALUATION OF THE FUNCTION OF TcZC3H7 IN <i>Trypanosoma cruzi</i> USING CRISPR-Cas9 AS AN EDITING STRATEGY	Luana de Paula Ferreira - Fiocruz -PR
11:15-11:30	Elucidation of the mechanism of action of compounds anti-trypanosomatid activity	Mariana Chaves Suárez - Uruguai
11:30-12:00	Exploring the Genomic Landscape of the GP63 family in <i>Trypanosoma cruzi</i> : Evolutionary Dynamics and Functional Peculiarities	Dra. Adriana Magdalena Parodi - Uruguai
12:00-12:30	Aspects of <i>Trypanosoma cruzi</i> development in triatomines: the challenges of living in an insect gut.	Dra. Alessandra Guarnieri - Fiocruz
12:30-14:00	<i>Lunch time</i>	
14:00-14:30	Diagnostico Molecular temprano de Chagas congénito en puntos de atención.to be defined	Dr. Alejandro Schijman - Argentina
14:30-15:00	Evaluation of metabolic profiles: a tool for better understanding how parasites live and survive	Dr. Guillermo Alonso - Argentina
15:00-15:30	Intracellular environment: more than a physical space for the multiplication of <i>Trypanosoma cruzi</i>	Dra Luciana Andrade - UFMG
15:30-16:00	<i>Coffee Break</i>	
16:00-16:30	Rol de la proteína Puf3 en la expresion de genes, morfologia y funcion mitocondrial	Dr. Omar Triana - Colômbia

16:30-17:00	Trypanosoma cruzi-placenta interaction: Role of parasite-derived exovesicles during ex vivo infection of human placental explants	Dra. Ulrike Kemmerling - Chile
17:00-17:30	O pangenoma do <i>Trypanosoma cruzi</i>	Dr. Gonzalo Greif - Uruguai
17:30-18:00	MultimerMapper : uma ferramenta computacional para determinação da estrutura de complexos de remodelação da cromatina tripanossômica.	Dr. Esteban Carlos Serra - Argentina