NOVEMBER, 09th, 2026

09h00 – 16h00 | **SCIENTIFIC ACTIVITIES** **READING ROOM**

O Expresso Chagas XXI *(IOC- Fiocruz-RJ)*

Scape Room

16h30 – 17h00 | **OPENING CEREMONY** **ROOM A**

17h00 – 18h00 | **OPENING CONFERENCE** **ROOM A**
SAMUEL PESSOA AWARD

Chair: Walter Colli

Biosynthesis of isoprenoids in *Plasmodium falciparum*
Alejandro Miguel Katzin *(ICB-USP, Brazil)*

19h30 – 20h30 | **DINNER**

20h30 – 22h30 | **POSTER SESSION – ODD/ÍMPARES** **GYMNASIUM**

09h00 – 18h00 | **SCIENTIFIC ACTIVITIES** **READING ROOM**

O Expresso Chagas XXI *(IOC- Fiocruz-RJ)*

Scape Room

09h00 – 11h00 | **ORAL PRESENTATION - OP.01** **ROOM A**

Chairs: José L. Nepomuceno-Silva and Mayke Bezerra Alencar

PV001 - Roles of NFS, ISD11 and MTU1 in Mitochondrial tRNA Thiolation and Fe-S Clusters in *Trypanosoma cruzi*
Marilene Souza Braga *(USP, Brazil)*

HP001 - Cellular Senescence Integrates Inflammatory And Cytotoxic Axes In The Pathological Landscape Of Cutaneous Leishmaniasis
Paola De Oliveira Lopes *(UFES, Brazil)*

HP002 - Congenital *Toxoplasma gondii* infection alters dopaminergic pathway gene expression during retinal development.
Gustavo Pinheiro De Araujo *(Fiocruz-RJ, Brazil)*

TB001 - High-content screening of FDA-approved drugs in combination with benznidazole identifies potential anti - *Trypanosoma cruzi* agents.
Laura Maria Alcântara *(USP, Brazil)*

HP003 - Genomic Similarities Between *Plasmodium simium* and A Historical Sample Of Plasmodium From The Sado Valley, Portugal
Nathalia Rammé Medeiros De Albuquerque *(USP, Brazil)*

PV002 - Investigating a Likely Role for RBP43 in Regulating Expression of the *Trypanosoma brucei* Respiratome and Mediated through an Interaction with an Alternative Translation Initiation Complex
Savio Silas Farias Falcão *(Fiocruz-PE, Brazil)*

HP004 - *Toxoplasma gondii* alters mitochondrial dynamics in brain endothelial cells and cortical microvessels during early infection
Guilherme Andrade De Santana *(Fiocruz-RJ, Brazil)*

TB002 - Beyond Homology: Unveiling the Unique Structural Features of *Trypanosoma cruzi* γ-Glutamyl Phosphate Reductase
Maria Eduarda Souza Dias Lino *(USP, Brazil)*

09h00 – 11h00 | **ORAL PRESENTATION - OP.02** **ROOM B**

Chairs: Wesley R. Rodrigues Ferreira and Erica dos Santos Martins Duarte

HP005 - Functional characterization of mercaptopyruvate sulfurtransferase supports a role in stress adaptation and host-cell infection in *Trypanosoma cruzi*
Jessica Jenireth Rodriguez Duran *(USP, Brazil)*

HP006 - Conserved mitochondrial and translational repression and strain-associated chromatin responses in *Toxoplasma gondii*-infected neuroblasts
Thuany Prado Rangel Marcelo *(Fiocruz-RJ, Brazil)*

PV003 - Identification of genes potentially involved in vector competence in *Nyssomyia umbratilis* from endemic and non-endemic areas for american tegumentary leishmaniasis in the amazon region.
Victor Ramos De Almeida *(Fiocruz-RJ, Brazil)*

TB003 - Butoconazole as a therapeutic candidate for Chagas disease: experimental evidence against *Trypanosoma cruzi*
Gabriela Rodrigues Leite Morais *(Fiocruz-RJ, Brazil)*

HP007 - Endothelial activation and dysfunction drive retinal neurodegeneration and glial scarring through cytotoxic leukocyte infiltration in a clinically relevant mouse model of Ocular Toxoplasmosis.
Vladimir Pedro Peralva Borges Martins *(Fiocruz-RJ, Brazil)*

TB004 - Modelling the Inflammatory Microenvironment of Localised Cutaneous Leishmaniasis Reveals Cytotoxic Reprogramming of $CD4^+$ T Cells
Isabela Valim Sarmento *(UCL, UK)*

HP008 - Investigating the molecular basis of *Trypanosoma cruzi* quiescence
Marketa Novotna *(LSHTM, UK)*

PV004 - Telomere dynamics: understanding the crosstalk between inositol pyrophosphates and telomeres in Leishmania
Vitor Luiz Da Silva *(UNESP, Brazil)*

11h00 – 11h30 | **COFFEE BREAK**

11h30 – 12h00 | **CONFERENCE 01** **ROOM A**

Chair: Pedro Oliveira

Mosquito midgut response to blood feeding at a single-cell resolution
Ana Beatriz Barletta *(NIH/NIAID, USA)*

12h30 – 14h30 | **LUNCH**

13h30 – 14h30 | **SBPZ COUNCIL MEETING**

14h30 – 16h30 | **ROUND-TABLE** **ROOM A**
RT.01 – Survival Strategies in Trypanosomatids: From DNA Replication and Genomic Plasticity to Vector Transmission

Chair: Maria Carolina Elias Sabbaga

RT01.001 – Deciphering the machineries that guide initiation and progression of nuclear DNA replication in *Trypanosoma brucei*
Richard McCulloch *(University of Glasgow, UK)*

RT01.002 – The Cost of Flexibility: Mapping Replication Stress Hotspots and their Impact on Leishmania Genomic maintenance
Luiz Tosi *(FMRP-USP, Brazil)*

RT01.003 – Mechanisms of Genomic Plasticity in Trypanosomatids
Daniella Bartholomeu *(UFMG, Brazil)*

RT01.004 – From development to transmission: Understanding the development regulation of trypanosomes in the tsetse fly
Lucy Glover *(Institut Pasteur, France)*

14h30 – 16h30 | **ROUND-TABLE** **ROOM B**
RT.02 – Diversity, Ecology and Evolution of Protists
Chair: Daniel Lahr and Thiago Paiva

RT02.002 – Amoebae into Continental Waters?
Luana Morais *(UNICAMP, SP, Brazil)*

RT02.003 – Diversity of microbial communities in aquatic and terrestrial environments
Laura Utz *(PUC-RS, Brazil)*

RT02.004 – Escaping Ice and Animals: Did Snowball Earth and the Rise of Metazoans Drive Testate
A trait-based approach in ciliate functional ecology: toward a standardized framework

Gabriela Kuppers *(MACN-CONICET, Argentina)*

16h30 – 17h00 | **COFFEE BREAK**

17h00 – 17h30 | **CONFERENCE 02** **ROOM A**

Chair: Ariel M. Silber

Glycerol metabolism as a novel regulator of trypanosome development and transmission
Frédéric Bringaud *(Université de Bordeaux, France)*

17h00 – 17h30 | **CONFERENCE 03** **ROOM B**

Chair: Renato A. DaMatta

TRAMP-CSS complex is essential for hepatocyte and erythrocyte infection by *Plasmodium zoites*
Daniel Youssef Bargieri *(ICB/USP, Brazil)*

17h30 – 18h00 | **CONFERENCE 04** **ROOM A**

Chair: Yara M. Traub-Cseko

Genomic merger: How *Leishmania* hybridization drives parasite evolution and immune escape
Gerald Spaeth *(Institut Pasteur – Paris, France)*

17h30 – 18h00 | **CONFERENCE 05** **ROOM B**

Chair: Simone Guedes Calderano

Energy status as a signal for adaptation and differentiation in *Trypanosoma cruzi*
Guillermo Alonso *(INGEBI-UBA, Argentina)*

18h30 – 19h30 | **PLENARY SBPZ – ORDINARY GENERAL ASSEMBLY** **ROOM B**

19h30 – 20h30 | **DINNER**

20h30 – 22h30 | **POSTER SESSION – EVEN/PARES** **GYMNASIUM**

09h00 – 18h00 | **SCIENTIFIC ACTIVITIES** **READING ROOM**

O Expresso Chagas XXI *(IOC- Fiocruz-RJ)*

Scape Room

09h00 – 11h00 | **ROUND-TABLE** **ROOM A**
RT.03 – Vectors
Chair: Yara M. Traub-Cseko

RT03.001 – Effect of Anopheles midgut microbiota bacteria on the sexual development of *Plasmodium vivax* in Anopheles darlingi
Maisa da Silva Araujo *(Fiocruz-Rondônia, Brazil)*

RT03.002 – Vitellogenin Receptor Function Shapes Fertility and Microbial Inheritance in Rhodnius prolixus
Isabela Barbosa Ramos *(UFRJ, Brazil)*

RT03.003 – Trypanosomatids from the Brazilian Amazon: Invertebrate (dipterans) and vertebrate (didelphimorphs, rodents, anurans, squamates) hosts
Claudia Ríos Velasquez *(Fiocruz-AM, Brazil)*

RT03.004 – Sand fly immunity and gut receptors – implications for Leishmania infection in the vector
Erich Telleria *(Charles University, República Tcheca)*

09h00 – 11h00 | **ROUND-TABLE** **ROOM B**
RT.04 – Drivers of Diversity: Kinases, Translation, and the Evolution of Cell Populations
Chair: Janaina de Freitas Nascimento

RT04.001 – Translational Tricks and Trypanosome Tactics
Zdenek Paris *(Institute of Parasitology, Czech Republic)*

RT04.002 – Gene expression programs driving *Leishmania* differentiation and transmission in the sand fly
Tiago Ferreira *(NIAID, USA)*

RT04.003 – Cell Cycle Regulation in Trypanosoma cruzi: Conserved Kinases with Parasite-Specific Functions
Simone Calderano *(Butantan Institute, Brazil)*

RT04.004 – The NEK family in *Trypanosoma cruzi*: focus on RDK2 in differentiation and host–parasite interaction
Miguel Chiurillo *(University of Cincinnati, USA)*

11h00 – 11h30 | **COFFEE BREAK**

11h30 – 12h00 | **CONFERENCE 06** **ROOM A**

Chair: Juliany Cola Fernandes Rodrigues

From parasite biology to therapy: druggable targets in malaria
Maria Belen Cassera *(UGA, USA)*

11h30 – 12h00 | **CONFERENCES 07** **ROOM B**

Chair: Norton Heise

The sweet side of immune evasion in African trypanosomes
Calvin Tiengwe *(Imperial College London, UK)*

12h00 – 12h30 | **CONFERENCES 08** **ROOM A**

Chair: Otavio Henrique Thiemann

Trypanosomal acetate: succinate CoA transferase: from biochemical and structural characterization to a metabolic engineering tool for bioenergetic studies across organisms.
Daniel Inaoka *(School of Tropical Medicine and Global Health – Nagasaki University, Japan)*

12h30 – 14h30 | **Lunch**

14h30 – 16h30 | **ROUND-TABLE** **ROOM A**
RT.05 – Immunity to *Trypanosoma cruzi* in the Americas

Chair: Juliana Gomes

RT05.001 – How *Trypanosoma cruzi* Diversity Shapes Human Immune Responses
Luisa Mourão Dias Magalhães *(UFMG, Brazil)*

RT05.002 – From Fundamental Research to Public Health: Congenital Chagas in Bolivia
Cristina Alonso-Vega *(Universidad de Oviedo, Spain)*

RT05.003 – Cellular and Molecular Biomarkers of Cardiac Remodeling: Insights from the Brazilian Scenario of Chagas Cardiomyopathy
Juliana Gomes Estanislau *(UFMG, Brazil)*

14h30 – 16h30 | **ROUND-TABLE** **ROOM B**
RT.06 – One Health

Chair: Ariel M. Silber

RT06.001 – Detection of silent circulation of parasites to ecoepidemiology investigations in a One Health perspective
Marcia Sperança *(UFABC, Brazil)*

RT06.002 – Insights into trypanosome infection biology from the bovine model
Liam Morrison *(University of Edinburgh, UK)*

RT06.003 – Zoonotic sarcocystidae: challenges for One Health in protozoology
Aline Diniz Cabral *(FCM/Santa Casa de SP, Brazil)*

RT06.004 – The Fly That Shaped a Continent: African Trypanosomosis and the Evolution of One Health Solutions
Alec Evans *(GalvMed, UK)*

16h30 – 17h00 | **COFFEE-BREAK**

17h00 – 17h30 | **CONFERENCE 09** **ROOM A**

Chair: Diana Bahia

Mitochondrial butterfly effect: how changes in the organelle physiology impacts the fitness of trypanosomatids
Rubem Menna Barreto *(IOC-FIOCRUZ – Brazil)*

17h00 – 17h30 | **CONFERENCE 10** **ROOM B**

Chair: Gerald F. Späth

Benzoxaboroles target CPSF3 for degradation through a SUMO-dependent
Mark Field *(University of Dundee, UK)*

17h30 – 18h30 | **CLOSING CONFERENCE** **ROOM A**

Chair: Maria Carolina Elias Sabbaga

DNA metabolism in trypanosomatids: why so many differences?
Carlos Renato Machado *(UFMG, Brazil)*

18h30 – 19h30 | **CLOSING CEREMONY, REMARKS AND AWARDS** **ROOM A**

19h30 – 21h30 | **DINNER**