

VIII Curso Internacional de Biología Molecular de Tripanosomátidos
VIII Simposio Internacional de Biología Molecular de la Enfermedad de Chagas

November 22
Monday AM

| Sesión | Time | Activity | Expositor |
|--------|----------------------|--|--|
| 1 | 9:00-9:30 (UTC-4) | Wellcome Course introduction | Dra Ulrike Kemmerling , Universidad de Chile Dr José Luis Ramirez , Instituto de Estudios Avanzados, Caracas, Venezuela |
| 2 | 9:30-10:30 | Structure and Cell Biology of trypanosomatids | Dra Ulrike Kemmerling , Universidad de Chile |
| 3 | 10:30-11:30 | Nuclear and chromatin structure of Trypanosomatids. | Dr Sergio Schenkman , Universidad Federal de Sao Paulo, Brasil. |
| | 11:30-11:45 | Break | |
| 4 | 11:45-12:45 | Genome of tripanosomatids. Comparative genomics | Dr. Fernando Gustavo Álvarez Valín. Universidad de la Republica, Uruguay. |
| 5 | 12:45-13:45 | Structure and function of telomeres in trypanosomatids. | Dr José Luis Ramírez , Instituto de Estudios Avanzados, Caracas, Venezuela |

Monday PM

| Time | Activity | Expositors |
|-------------|---|-----------------------------|
| 14:30-15:30 | Students short presentations | Selected Course students |
| 15:30-17:00 | Workshops <ul style="list-style-type: none"> • Bioinformatics: Intracellular parasite automated counting • Bioinformatics: Primer design for RT-qPCR • Bioinformatics: Design of new potential trypanocidal compounds • Immunology • Others, to be defined | Online workshops |

November 23

Tuesday AM

| | Time | Activity | Expositor |
|----|-------------|--|--|
| 6 | 8:30-9:30 | Genomic analysis and gene expression in trypanosomatids. | Dr. Carlos Alberto Robello Instituto Pasteur, Montevideo, Uruguay |
| 7 | 9:30-10:30 | Cell cycle and DNA replication in trypanosomatids. | María Carolina Elias Instituto Butantan, Sao Paulo, Brasil |
| | 10:30-10:45 | Break | |
| 8 | 10:45-11:45 | DNA repair in trypanosomatids. | Dr. Carlos Renato Machado Universidad de Minas Gerais, Belo Horizonte, Brasil |
| 9 | 11:45-12:45 | Transcription in trypanosomatids. | Dr. Esteban Carlos Serra, Instituto de Biología Molecular de Rosario, UNR, Argentina |
| 10 | 12:45-13:45 | Traduction in trypanosomatids. | Dr. Sergio Schenkman, Universidad Federal de Sao Paulo, Brasil. |

Tuesday PM

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| 14:30-15:30 | Students short presentations | Selected Course students |
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November 24
Wednesday AM

| | Time | Activity | Expositor |
|----|-------------|--|---|
| 11 | 8:30-9:30 | Molecular typing and classification of trypanosomatids | Dr. Alejandro Schijman Instituto de Investigaciones en Ingeniería Genética y Biología Molecular "Dr Héctor Torres", Argentina |
| 12 | 9:30-10:30 | Signal transduction in trypanosomatids | Dr. Guillermo Alonso Instituto de Investigaciones en Ingeniería Genética y Biología Molecular "Dr Héctor Torres", Argentina |
| | 10:30-11:00 | Break | |
| 13 | 10:45-11:45 | Host-parasite interactions: Cell Invasion of <i>Trypanosoma cruzi</i> and Leishmania sp. | Dra. Adriana Parodi Universidad de la Republica, Uruguay. Instituto Pasteur de Montevideo, Uruguay |
| 14 | 11:45-12:45 | Host-trypanosome interactions: Immune response against trypanosomatids | Dra Karina Gómez Instituto de Investigaciones en Ingeniería Genética y Biología Molecular "Dr Héctor Torres", Argentina |
| 15 | 12:45-13:45 | Small RNAs in tripanosomatids | Dr. Carlos Alberto Robello Instituto Pasteur, Montevideo, Uruguay |

Wednesday PM

| Time | Activity | Expositors |
|-------------|---|--------------------------|
| 14:30-15:30 | Students short presentations | Selected Course students |
| 15:30-17:00 | Workshops <ul style="list-style-type: none"> • Bioinformatics: Intracellular parasite automated counting • Bioinformatics: Primer design for RT-qPCR • Bioinformatics: Design of new potential trypanocidal compounds • Immunology • Others, to be defined | Online workshops |

November 25

Thursday AM

| | Time | Activity | Expositor |
|----|-------------|--|---|
| 16 | 8:30-9:30 | Regulation of gene expression in trypanosomatids | Dra. Andrea Ávila Instituto Carlos Chagas Fiocruz-Paraná, Curitiba, Brasil. |
| 17 | 9:30-10:30 | Host-trypanosome interactions: Tissue invasión of tripanosomatids | Dr. Christian Castillo Universidad de Chile |
| | 10:30-11:00 | Break | |
| 18 | 11:00-11:45 | Metabolism in trypanosomatids | Dr. Ariel Silber Department of Parasitology, Institute of Biomedical Sciences, University of São Paulo |
| 19 | 11:45-12:30 | Development of anti- trypanosomatid agents | Dr. Claudio Olea Azar Universidad de Chile |
| 20 | 12:30-13:15 | Drug resistance mechanisms in trypanomatids: Genome plasticity | Dr. Omar Triana Universidad de Antioquia, Medellín, Colombia |
| 21 | 13:15-14:00 | Drug resistance mechanisms in trypanosomatids: Detoxification systems in trypanosomatids | Dr. Juan Diego Maya Universidad de Chile. |

Thursday PM

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| 14:30-15:30 | Students short presentations | Selected Course students |
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November 26
Friday
Symposium

| Session | Time | Activity | Expositor |
|---------|--------------|--|-----------------------|
| 22 | 8:30-9:00 | Chagas disease at the medical praxis | Ariane Hernández |
| | 9:00-9:30 | Signaling and adaptive mechanisms in trypanosomatids: a possible Achilles heel in the fight against trypanosomiasis. | Guillermo Alonso |
| | 9:30-10:00 | <i>Trypanosoma cruzi</i> infection follow-up in a sylvatic vector of Chagas disease: Comparing early and late-stage nymphs | Aldo Solari |
| | 10:00-10:30 | BREAK | |
| 23 | 10:30-11:00 | 3D cultures: A tool for preclinic studies of new trypanocide compounds | Ana Liempi |
| | 11:00-11:30 | Sex in <i>Trypanosoma cruzi</i> : a simple fusion or an alternative meiotic process? | Carlos Renato Machado |
| | 11:30-12:00 | Modifying host factors as an approach to Chagas disease therapy | Juan Diego Maya |
| | 12:00-12:30 | BREAK | |
| 24 | 12:30- 13:00 | Uncovering novel components of an interactive protein network supporting RNA export in trypanosomes | Andrea Avila |
| | 13:00-13:30 | Mechanisms of resistance to benznidazole in Colombian <i>Trypanosoma cruzi</i> strains | Omar Triana |

| | Time | Activity | Expositor |
|----|-------------|--|------------------|
| 25 | 14:30-15:00 | Amino acids and bioenergetics in <i>Trypanosoma cruzi</i> : three ways of 'charging batteries' | Ariel Silber |
| | 15:00-15:30 | Title to be defined | Fernando Alvarez |
| | 15:30-16:00 | Organización del genoma de <i>Trypanosoma cruzi</i> | Carlos Robello |
| | 16:00-16:30 | BREAK | |
| 26 | 16:30-17:00 | Inhibitors of <i>Trypanosoma cruzi</i> bromodomains 2 and 3 with trypanocidal activity. | Esteban Serra |
| | 17:00-17:30 | Especificidad de células T en la infección por <i>T. cruzi</i> | Karina Gómez |