

Speakers profile:

Carlos Robello is Professor of Biochemistry at the Faculty of Medicine, Universidad de la República (Uruguay), and Principal Investigator at the Institut Pasteur de Montevideo. His research is focused on the study of the biology of *Trypanosoma cruzi* and its interaction with hosts using molecular biology and genomic approaches, to better understand parasitic lifestyle and infection and identify new targets for diagnosis, prophylactic and therapeutic interventions. His group has studied the antioxidant network of *Trypanosoma cruzi* and found that they constitute virulence factors and candidates for drug targets. On the other hand, the responses of human cells to the infection allowed him to demonstrate that *T. cruzi* reprograms human cells, and to propose that host targeted therapies can be used in Chagas disease. Finally, the use of genomics and functional genomics approaches is being developed by his group, in order to correlate genomic variability with virulence, pathogenic profiles, and drug susceptibility. Similar studies on other protozoan parasites (*Leishmania spp.*, African trypanosomes and *Neospora caninum*) are currently underway in his lab.

