

Achievements and challenges for controlling vector-borne diseases in a changing world

Fiocruz - Rio de Janeiro, Brazil (05-23 Sep 2016)

Week 2	Transgenesis and paratransgenesis				
	12/09/2016 (Monday)	13/09/2016 (Tuesday)	14/09/2016 (Wednesday)	15/09/2016 (Thursday)	16/09/2016 (Friday)
09:00-10:00	"Epidemiology of leishmaniasis transmission" - Bruno Carvalho (IOC-Fiocruz/RJ)	"Host immune response to Leishmania infection" - Fátima Conceição-Silva (IOC-Fiocruz/RJ)	"Sandfly-bacterial interactions with applications toward paratransgenic control"- Ravi Durvasula (Uni New Mexico/USA)	"Vector-transmitted disease vaccines: targeting salivary proteins in transmission (SPIT) - Part 1" - Mary Ann McDowell (Univ Notre Dame)	"Intranasal vaccination with leishmanial antigens protects golden hamsters against Leishmania (Viannia) braziliensis" - Eduardo F Pinto (IOC-Fiocruz/RJ)
10:00-11:00	"Parasite surface components and its role on the host-parasite interaction" - Carlos R Alves (IOC-Fiocruz/RJ)	"Regulation of innate immune cells by Leishmania-Part 1" - José R Coura (IOC-Fiocruz/RJ)	"Rhodnius prolixus interaction with Trypanosoma rangeli and Trypanosoma cruzi: modulation of the immune system and microbiota population." - Cecilia Stahl Vieira (IOC-Fiocruz/RJ)	"Vector-transmitted disease vaccines: targeting salivary proteins in transmission (SPIT) - Part 2" - Mary Ann McDowell (Univ Notre Dame)	"Vaccines for leishmaniasis: current challenges and perspectives" - Paula de Lucca (IOC-Fiocruz/RJ)
11:00-11:30	Interval	Interval	Interval	Interval	Interval
11:30-12:30	"Molecular aspects of Leishmania-sand fly interaction" - Yara Traub-Csekö (IOC-Fiocruz/RJ)	"Regulation of innate immune cells by Leishmania-Part 2" - José R Coura (IOC-Fiocruz/RJ)	"Bacterial Infection and Immune Responses in Lutzomyia longipalpis Sand Fly Larvae Midgut" - Ravi Durvasula (Univ New Mexico/USA)	"A delivery system for field application of paratransgenic control" - Ravi Durvasula (Univ New Mexico/USA)	"Vaccines for Chagas disease: current challenges and perspectives" - Joseli Lannes (IOC-Fiocruz/RJ)
12:30-14:00	Lunch	Lunch	Lunch	Lunch	Lunch
14:00-15:00	"Sand fly genome project" - Mary Ann McDowell (Univ Notre Dame/USA)	"The cycle of Plasmodium in its mosquito vector - Part 1" - Marcelo Jacobs-Lorena (John Hopkins/USA)	"Macrophage phagosome maturation during Leishmania infection"- Mary Ann McDowell (Univ Notre Dame)	"The use of phage display libraries to unravel the molecular basis of cell-cell interactions" - Marcelo Jacobs Lorena (John Hopkins/USA)	Student session - Oral presentation
15:00-16:00	"Paratransgenic control of vector borne diseases: an overview" - Ravi Durvasula (Univ New Mexico/USA)	"The cycle of Plasmodium in its mosquito vector - Part 2" - Marcelo Jacobs-Lorena (John Hopkins/USA)	"The role of the peritrophic matrix in parasite-vector interactions" - Marcelo Jacobs-Lorena (John Hopkins/USA)	"The use of transgenic mosquitoes to reduce <i>Aedes aegypti</i> population size" - Margareth Capurro (USP)	Student session - Oral presentation
16:00-16:30	Cofee-break	Cofee-break	Cofee-break	Cofee-break	Cofee-break
16:30-17:00	Daily bullet points (Bruno Carvalho)	Daily bullet points (post-doc/young investigator)	Daily bullet points (post-doc/young investigator)	Daily bullet points (post-doc/young investigator)	Daily bullet points (post-doc/young investigator)