

## Optimizing Animal Models for Evolving HAND phenotypes and CNS Reservoir Research

Windsor Ballroom, The Omni King Edward Hotel  
Toronto, Québec, Canada | October 25<sup>th</sup>, 2016

TIME	SPEAKER	PRESENTATION TITLE
<b>Setting the Stage [Chair: Howard Fox, UNMC]</b>		
12:05 PM- 12:15 PM	Jeymohan Joseph, NIMH, NIH	Meeting Goals
12:15 PM- 12:30 PM	Ned Sacktor, Johns Hopkins School of Medicine	Changing clinical phenotypes of HAND
12:30 PM- 12:45 PM	Benjamin Gelman, University of Texas Medical Center	Neuropathology of HAND with Suppressive Antiretroviral Therapy
<b>Rodent Models [Chair: Kelly Jordan- Sciutto, UPENN]</b>		
12:45 PM- 1:00 PM	Johnny He, University of North Texas Health Science Center	HIV-1 Tat Transgenic Mice
1:00 PM- 1:15 PM	Jay McLaughlin, University of Florida	Neurobehavioral Research in Tat Transgenic Mice
1:15 PM- 1:30 PM	Marcus Kaul, SBPMDI, La Jolla & UCSD, San Diego	HIV-1 gp120 transgenic Mice
1:30 PM- 1:45 PM	Walter Royal, University of Maryland Medical Center	The HIV-1 transgenic rat model of neuroHIV
1:45 PM- 2:00 PM	William Tyor, Emory University	HIV-1 Encephalitis Mouse model
<b>BREAK [2:00 PM- 2:15 PM]</b>		
2:15 PM- 2:30 PM	David Volsky, Mount Sinai	Pathobiology of chronic HIV-cognitive impairment (HIV- NCI) in EcoHIV infected mice and preclinical testing of NCI therapeutics
2:30 PM - 2:45 PM	Alcino Jose Silva, UCLA	Molecular, cellular and circuit mechanisms underlying CCR5-dependent learning and memory deficits
2:45 PM - 3:00 PM	Chris Power, University of Alberta	Comparative lentivirus persistence in the CNS- therapeutic implications.

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3:15 PM- 3:30 PM	Larisa Poluektova, University of Nebraska Medical Center	Immune system - Glia crosstalk and HIV-1 reservoir formation in dual blood and brain humanized mice.
3:30 PM- 3:45 PM	Jenna B. Honeycut, UNC Chapel Hill	Humanized mouse models for myeloid reservoir studies in the CNS (MOM Mice)
3:45 PM - 3:55 PM	Lena Al-Harhi, RUSH University	Human transplanted astrocytes into NSG-HuPBMCs mice demonstrate astrocyte-initiated HIV spread from the brain to other tissues
3:55 PM- 4:05 PM	Jonathan Karn, Case Western Reserve Univ.	A humanized mouse model for latent HIV infections of the CNS
<b>BREAK [4:05 PM- 4:15 PM]</b>		
<b>Primate Models [Chair: Shilpa Buch, UNMC]</b>		
4:15 PM- 4:30 PM	Joseph Mankowski, Johns Hopkins School of Medicine	A SIV Macaque Model for HIV-1 CNS Reservoir and NeuroAIDS research
4:30 PM- 4:45 PM	Ken Williams, Boston College	Accelerated SIV infected pigtailed monkey model for NeuroAIDS research
4:45 PM- 4:55 PM	Lishomwa Ndhlovu, University of Hawaii	Early CSF Viremia and CNS T Cell Infiltrate in a Non- Accelerated SHIV Infection Model
4:55 PM- 5:10 PM	Howard Fox, University of Nebraska Medical Center	Other Primate Models used in HIV-1 CNS Research
<b>5:10 PM – 6:30 PM : Discussion [Chair: Howard Fox, UNMC]</b>		