



Prion Centre Seminar and Journal Clubs Schedule 2016/2017

15-Sep	Research Presentation: Endoproteolysis of cellular prion protein (PrPC): Who's behind the mask? - Ghazaleh Eskandari Sedighi; Characterizing CWD Transmission from White-tailed deer to Elk Transgenic Mice - Jeff Narayan
22-Sep	Research Presentation: Role of aged skeletal muscle fibers with mitochondrial enzyme abnormalities in sarcopenia - Nashwa Cheema; U18666A-induced Cholesterol Sequestration Differentially Regulates APP Metabolism in Normal and APP Overexpressing Cells - Jiyun Chung
29-Sep	Journal Club: The prion protein is an agonistic ligand of the G protein-coupled receptor Adgrg6 - Dr. Robert Mercer
06-Oct	Research Presentation: Effects of U18666A on APP Metabolism in Cultured Astrocytes - Dr. Hongyan Yang
13-Oct	Research Presentation: Investigating the Physiological Function of Cellular Prion Protein - Niall Pollock; The Interaction of CWD with Vegetation: Effect on Epidemiology - Elizabeth Triscott
20-Oct	Guest Speaker (American Red Cross): The case of "mad" mice, prions and exosomes - Dr. Larisa Cervenakova
27-Oct	Journal Club: The antibody aducanumab reduces A β plaques in Alzheimer's disease - Anthony Ness; Cryo-EM reveals the steric zipper structure of a light chain-derived amyloid fibril - Andrew Fang
03-Nov	Guest Speaker: - Dr. Jiri Safar
10-Nov	Research Presentation: Fates of Prions in Soil - Dr. Alsu Kuznetsova
17-Nov	Research Presentation: Towards characterizing the significance of astrocytic A β in AD-related pathology - Dr. Olaide Oyegbami
24-Nov	CPPFD PI talk: The Problem(s) with CWD - Dr. Judd Aiken
01-Dec	Journal Club: Amyloid fibrils from the N-terminal prion protein fragment are infectious - Razieh Kamali Jamil; Atomic-resolution structure of a disease-relevant A β (1-42) amyloid fibril - Zelin Fu
08-Dec	Research Presentation: Mass-Per-Length Analysis of Infectious Human Prions - Claudia Acevedo-Morantes; Autophagy & Prion Disease: Cellular Housekeeping to Clean Up the Mess - Grant Norman
15-Dec	Research Presentation: The Potential Role of Astrocyte-derived Amyloid Beta in Kainate Toxicity: Implications for Temporal Lobe Epilepsy - Dimitar Ourdev
05-Jan	CPPFD PI talk: The Research Enterprise - Dr. David Westaway
12-Jan	Research Presentation: In vitro prion replication in muscle cells - Dr. Allen Herbst
19-Jan	Facility Users Meeting
26-Jan	Research Presentation: Cervid Prion Protein Polymorphisms Regulate the Propagation and Diversity of Chronic Wasting Disease Strains - Camilo Duque Velasquez
02-Feb	Debriefing on the SfN meeting: - Dr. Satya Kar and Dimitar Ourdev
09-Feb	Research Presentation: Decoding the Structure of CWD Prion - Sara Amidian
16-Feb	Guest Presentation: Everything you should know about publisher agreements - Amanda Wakaruk (Copyright librarian)
23-Feb	Guest Presentation: NCAM polysialylation: the prion protein's elusive reason for being? - Dr. Gerold Shmitt-Ulms (Tanz Centre for Research and Neurodegenerative Diseases)
02-Mar	Research Presentation: Applications of asymmetric flow field flow fractionation and light scattering to the study of prion protein oligomers - Dr. Leonardo Cortez
09-Mar	Research Presentation: Structural Investigation of Bovine Spongiform Encephalopathy (BSE) Prions - Razieh Kamali Jamil; NMR structural study of a novel GSS-causing prion protein - Zelin Fu
16-Mar	Research Presentation: TLR1-2 Signaling Elicits Prion Defense Mechanisms by Glial Activation - Dr. SangGyun Kang
23-Mar	Research Presentation: Prion strain tropism - Dr. Jason Bartz (Creighton University, School of Medicine)
30-Mar	Research Presentation: Deciphering the neuroprotective mechanism of PrP-C by using zebrafish and the novel calcium integrator CaMPARI - Dr. Richard Kanyo
06-Apr	Research Presentation: How populations genetics can help us understand the spread of chronic wasting disease - Cathy Cullingham
13-Apr	Research Presentation: Prion Cell Tropism: The Role of Autophagy in Susceptibility - Grant Norman
20-Apr	Research Presentation: Analysis of disease-causing mutations and other variants of the PRND gene on the PrPC90-231 structure via MD simulations - Dr. Lyudmyla Dorosh
27-Apr	Conference Highlights - Dr. David Westaway
04-May	Research Presentation: Purification of antibody fragments and studies of their binding to PrPSc - Vineet Rathod Styrene-Maleic Acid (SMA) copolymers; a Novel Approach for Isolation of the Infectious Prion Protein (PrPSc) - Mansoore Esmaili
11-May	Debrief: Campus Security and Safety - Sgt. Stephanie Hartwig
18-May	Research Presentation: The expanding roles for prion protein in Alzheimer aetiology - Dr. Ted Allison
01-Jun	Prion 2017 Debrief: Part I recap from the 2017 Prion Conference
07-Jun	Research Presentation: Focused ultrasound applications for the treatment of neurological disorders - Dr. Isabelle Aubert
08-Jun	Prion 2017 Debrief: Part II recap from the 2017 Prion Conference
15-Jun	Prion 2017 Debrief: Part III recap from the 2017 Prion Conference - Dr. Valerie Sim, Dr. Judd Aiken, Richard Kanyo, Leo Cortez, Niall Pollock
22-Jun	Research Presentation: Characterization of Alzheimer's Disease strains in a novel ex vivo model - Hailey Pineau Engineering a 4-rung β -solenoid protein to mimic the PrPSc structure - Jose Míguel Flores-Fernandez
29-Jun	Research Update: - Anthony Ness; - Miranda Stahn
13-Jul	Research Presentation: Lack of stress protection by the cellular prion protein: an alternative role in regulating growth factor signalling? - Dr. Andrew Castle