



Prion Centre Seminar and Journal Clubs

Schedule 2020

Date	Presenter(s)	Lab	Type (e.g. journal club, research)	Title(s)
09-Jan-20	David Westaway	Westaway	SOTU Address	State of the Union Address from CPPFD Director
15-Jan-20	Ivana Machado	Westaway	Webinar	Innovative solutions for behavioral research
16-Jan-20	Andrew Schmaus Shelaine Fleck	Kar Wille	Research Journal Club	Thermal response of amyloidogenic elements in cultured N2a cells: potential relevance to Alzheimer's disease pathology The dark side of Alzheimer's disease: unstructured biology of proteins from the amyloid cascade signaling pathway.
23-Jan-20	Miquel Flores	Wille	Research	Engineering 4-rung β -solenoid proteins to rationally design structure-based vaccines for PrP ^{Sc} and α -synuclein.
30-Jan-20	Luis Arce	Westaway	Biochem 665	Primary structural differences at residue 226 of deer and elk PrP dictate selection of distinct CWD prion strains in gene-targeted mice
06-Feb-20	Alsu Kuznetsova	AK/MK	Research	Humic acids and CWD-prion proteins interaction
12-Feb-20	Ted Allison	Allison	Webinar	Zebrafish Microscopy
13-Feb-20	Camilo Duque-Velasquez	AK/MK	Research	Chronic wasting disease prion strains: Geographic and species differences.
20-Feb-20	Qi Wu	Kar	Research	CANCELLED DUE TO CORONAVIRUS
27-Feb-20	Debbie McKenzie	AK/MK	PI Talk	Genome Canada Update
05-Mar-20	Leonardo Cortez	Sim	Research	Asymmetric flow field-flow fractionation reveals the size at which prions strains attain their final core quaternary structure
12-Mar-20	Emily McNamara Sara Amidian	Mok Wille	Research Research	The effects of DNAJA2 on Tau aggregation in a human cell model Structural analyses of chronic wasting disease using electron microscopy & molecular dynamics simulation
19-Mar-20	Allan Yaramady	Mok	Journal Club	Bacterial DNA promotes Tau aggregation
26-Mar-20	Alicia Otero Garcia	AK/MK	Research	Evolution of CWD prion conformers in vitro: Peripheral distribution of CWD prions in deer expressing different PRNP genotypes
02-Apr-20	Lion Budson Vineet Rathod	Mok Wille	Journal Club Research	Co-Chaperones DNAJA1 and DNAJB4 are critical for regulation of polyglutamine aggregation A toolbox of humanized recombinant antibody fragments for prions
09-Apr-20	Camilo Duque-Velasquez	AK/MK	Research	
16-Apr-20	Andrew Castle	Westaway	Research	Beta-cleavage of PrPc by membrane-tethered serine proteases
23-Apr-20	Ivana Machado	Westaway	Research	Unveiling the heterogeneity of TgTauP301L mice model of Frontotemporal Dementia
30-Apr-20	Andrew Fane Elizabeth Triscott	Wille AK/MK	Journal Club Journal Club	
07-May-20	Luis Arce	Westaway	Research	Elucidation of PrPC alpha-cleavage for the attenuation of prion disease
14-May-20	Alzheimer's Assoc. Int. Conference	Wille	Int. Conference	(Chicago Timezone - 1hr ahead of us)
21-May-20	Naill Pollack	Allison	Research	Dimeric prion protein ligand activates Adgrg6 but does not rescue myelinopathy of PrP-deficient mice
28-May-20	Hailey Pineau Laszlo Locskai	Sim Allison	Journal Club Journal Club	<i>Oranotypic slice culture model demonstrates inter-neuronal spreading of alpha-synuclein aggregate</i> Targeting tauopathy with engineered tau-degrading intrabodies
04-Jun-20	Abhishek Dahal	Kar	Research	Role of Astrocytes and Tau in Kainic acid-treated model of Temporal Lobe Epilepsy
11-Jun-20	Anthony Ness	AK/MK	Research	Quantitative assessment of humic acid inactivation of chronic wasting disease prions
25 Jun-20	Valerie Sim	Sim	PI Talk	
03-Sep	Richard Kanyo	Allison	Journal Club	Prevention of brain damage after traumatic brain injury by pharmacological enhancement of KCNQ (Kv7, "M-type") traumatic brain injury by
16-Sep	Holzer Wille	Wille	PI Talk	Translating structural biology into disease prophylaxis: Rationally designed, structure-based vaccines for prions and other neurodegenerative diseases.
23-Sep	Amie Phinney	McMaster University	Guest Talk	Careers in Neurodegenerative research; a view from both sides of academia/industry fence
30-Sep	Valerie Sim	Sim	PI Talk	Research in a time of COVID
07-Oct	Samia Hannaoui	Gilch	Research	Using bank voles as model to assess the zoonotic potential of CWD
14-Oct	Leo Cortez	Sim	Research	Posttranslational modifications define course of prion strain adaptation and disease phenotype.
21-Oct	George Han	Westaway	Research	Lamin A progeric mutation increases tau seeding efficiency in a tau reporter cell line
28-Oct	Lyudmyla Dorosh	Wille	Research	Nature, formation, and dissociation of A β oligomers in the presence of protofilaments
04-Nov	Maria Arifin Cristobal Marrero-Winkens	Gilch Schatzl	Research Research	<i>The influence of a caribou Prnp polymorphism on chronic wasting disease pathogenesis</i> <i>Hsp110 modifies prion infection in vitro and in vivo</i>
18-Nov	Lindsey Smith	Aiforia	Company talk	Artificial Intelligence Unbounded: Translating Images Into Discoveries, Decisions, and Diagnoses
25-Nov	Qi Wu	Kar	Research	Characterization of Exosomes-derived from Cholesterol Accumulated Astrocytes and Its Significance in Neurotoxicity
02-Dec	Sang Gyun Kang	Westaway	Research	The proline-rich domain promotes Tau liquid-liquid phase separation in cells
09-Dec	Leo Cortez and Ghazaleh Eskandari-Sedjghi	AKMK	Debate	Tau fibrils v. Tau oligomers: which to study
16-Dec	Emily McNamara Sara Amidian	Mok Wille	Research Research	The effect of DNAJA2 on tau aggregation in a human cell model Structural analyses of chronic wasting disease using electron microscopy & molecular dynamics simulations