



Prion Centre Seminar and Journal Clubs Schedule 2019

Date	Presenter(s)	Lab	Type (e.g. Journal club, research)	Title(s)
10-Jan	David Westawav	Westawav	N/A	Welcome back, CPPFD
16-Jan	Hailey Pineau	Sim	Webinar	Innovative Applications of Acoustic Tweezers for Manipulation of Cells and Bioparticles
17-Jan	Jesse Jackson	Deot of Physioloey	Research	What is the claustrum, and how might it contribute to brain function?
24-Jan	Jacques van der Merwe	Biocontainment user meetine	Research	CWD Isolate Analysis Using the Standard Scrapie Cell Assay/BSL2+ Biocontainment User meeting
31-Jan	Satya Kar	Kar	SN recap/research	Society for Neuroscience recap
07-Feb	Jason Plemel	Deot of Medicine	Research	How microella respond to demyelination
14-Feb	Matthew Macauley	Deot of Chemistry	Research	Probing the Role of CD33 on Microglia as a Susceptibility Locus for Alzheimer's Disease
20-Feb	Alii Rala	Lumicks	Sales presentation	
21-Feb	Qi Wu	Kar	Research	The effect of PTEN on HCV infection
28-Feb	Andrew Fang Razieh Kamali Jamil	Wille Wille	Research Research	Rationally designed, structure-based vaccine candidates targeting prion diseases BSE prion fibrils exhibit two distinct quaternary structures
07-Mar	Sara Amidian	Wille	Research	Structural Investigation of Chronic Wasting Disease Prions
14-Mar	Abu Kuznetsova	AKMK	Research	Environmental pathways of CWD prion
20-Mar	Chris Brannen/Phil Hofstrand	Bio-Techno	Guest presentation	Advancing Research Together.
21-Mar	Luis Arce Vineet Rathod	Westaway Wille	Research Research	Utilizing CRISPR/Cas9 technology in the prion world The Right tool for the Right Job: Recombinant antibody fragments as tools for structural analyses for prions
28-Mar	Abhishek Dahal	Kar	Journal club	Normal asine induces A1-like astrocyte reactivity
04-Apr	Anthony Ness Allan Yarahmadv	AKMK Mok	Research Research	Spleen Slice Cultures and Other Research Excursions Alzheimer's in a Tube: Recapitulating The Structure of Tau Fibril Cores
10-Apr	Sue-Ann Mok	Mok	Webinar	Decoding protein properties utilize deeo mutational scanning
11-Apr	Manjeet Kumar	Sim	Research	CANCELLED
18-Apr	Bibin Anand	Kar	Journal club	Fabrication of fillable microparticles and other complex 3D microstructures
25-Apr	Alicia Otero Garcia	AKMK	Research	Resistance to prion diseases in mice expressing a single amino acid substitution specific of canids. Peripheral distribution of prions in deer expressing different PPC molecules.
02-May	David Westawav/Holzer Wille	Pis	Debrief	AD/PD Debrief
09-May	Prion 2019 elevator pitch rehearsals 1) Emily McNamara 2) Ghazaleh Eskandari-Sedighi 3) Luis Arce 4) Georee Han	N/A	Rehearsal	---
16-May	Prion 2019 podium rehearsals 1) Camilo Duque-Velasquez 2) Abu Kuznetsova		Rehearsal	---
23-May	Cancelled due to Prion 2019	---	---	---
30-May	Ghazaleh Eskandari-Sedighi	Westaway	Journal club	A-beta and tau prion-like activities decline with longevity in the Alzheimer's disease human brain
06-Jun	Lio Cortez	Sim	Research	Distinctive populations of PrP particles comprise hamster-adapted prion strains
05-Sep-19	Holger Wille	Wille	Research	Translating structural biology into disease prophylaxis: A rationally designed, structure-based vaccine for prion diseases.
11-Sep-19	Leonardo Cortez	Sim	Webinar	Neuroscience, Machine Learning and Neuroscience
12-Sep-19	Mohammad Alam Hailey Pineau	Kar Sim	Research Research	Effects of temperature on APP processing in cultured astrocytes and its potential implication in Alzheimer's disease pathology Investigation of scrapie strains in whole brain organotypic slice cultures
19-Sep-19	Lyudmyla Dorosh Karthivashan Govindarajan	Wille Kar	Research Research	Assessing the effects of GdnHCI on WTD PrP C->Sc conversion using molecular dynamics simulations. Scopolamine induced Alzheimer's Disease (AD)-like amnesic model in mice
26-Sep-19	Jacques Van der Merwe	Prion Centre	Prion Facility User Meetine	CPPFD Biosafety Procedures and Review
03-Oct-19	Min Wu	Wille	Research	Influence of somatostatin on aggregation of Ab40/42.
09-Oct-19	Lion Badrass	Mok	Webinar	The application of 3D and organoid cultures in medical research
10-Oct-19	PHAC	PHAC	PHAC	PHAC USE FOR INSPECTION
17-Oct-19	Elizabeth Triscott	AKMK	Research	Interaction between CWD and vegetation
24-Oct-19	Shelaine Fleck George Han	Wille Westaway	Research Research	Structural analysis of human and transgenic mouse-derived tau protein aggregates Effects of lamin A progeric mutation on tau misfolding assessed in a cellular system
31-Oct-19	Emily McNamara		Biochem 665	Cellular prion protein antagonists as a possible treatment for Alzheimer's disease
07-Nov-19	Sang Ooun Kang	Westaway	Research	Phase transitions, Tau, and disruption of nuclear-cytoplasmic transportation
13-Nov-19	Anthony Ness	AKMK	Webinar	CaptSure ELISAs - An Antibody-Saving Coating-Free System
14-Nov-19	Andrew Schimms & Qi Wu Zelin Fu	Kar Westaway	Conference Research	SN Update Metabolomics study of disease progression in scrapie prion infected mice
21-Nov-19	Ghazaleh Eskandari-Sedighi	Westaway	Research	Prion infections and tauopathy in animal models: disease progression and proteolysis
28-Nov-19	Allan Yarahmadv	Mok	Biochem 665	RNA Bindine Antaeonizes Neurotoxic Phase Transitions of TDP-43
05-Dec-19	George Han	Westaway	Biochem 665	Cofactors are essential constituents of stable and seeding-active tau fibrils
11-Dec-19	Andrew Fane	Wille	Webinar	Deciphering cellular heterogeneity - single-cell omics
12-Dec-19	Allen Herbst	AKMK	Research	How we see. The role of mitochondrial dysfunction.
19-Dec-19	Satish Nenani	Sim	Research	Co-occurrence of chronic traumatic encephalopathy and prion disease