

Prion Centre Seminar and Journal Clubs Schedule 2021



Date	Presenter(s)	Lab	Type (e.g. journal club, research)	Title(s)
06-Jan	Allen Herbst	AKMK	Research	Measuring Biological Age
13-Jan	Shigeaki Tsutsui	Stys	Research	Diagnosing Alzheimer's disease from circulating blood leukocytes using a fluorescent amyloid probe
20-Jan	Laszlo Locskai Chris Chang	Allison Gilch	Research Research	Disrupting the PrP-C-mGluR5 pathway exacerbates post traumatic seizures and subsequent tauopathy The Role of Quaternary Structure Organization in Prion Strain Selection and Adaptation
27-Jan	Razieh	Wille	Research	Ultrastructural features distinguish BSE prion strains.
10-Feb	Alsu	AK/MK	Research	Humic Acids: A role in environmental CWD decontamination?
17-Feb	D. Westaway		PI	Prion Centre 2021 and early events in a tau disease model
24-Feb	Anthony Ness and Hailey Pineau	AK/MK & Sim	Debate	microglia and neurodegeneration - good or bad?
03-Mar	Kar	Kar	Journal Club	
10-Mar	Allan Yarahmady Andrew Fang	Mok Wille	Research Research	A High-Throughput Method for Tau Fibril Core Analysis Rationally designed, structure based vaccine candidates against prion diseases*
17-Mar	Luis Arce George Han	Westaway Westaway	Research Research	Targeting PrPc modulation for the attenuation of prion disease Effects of lamin A progeric mutation in tau reporter cell lines
24-Mar	Satish	Sim	Research/Journal Club	Exposure Risk of Chronic Wasting Disease in Humans
31-Mar	Hailey Pineau Pearl Cherry	Sim Gilch	Research Research	Investigating Scrapie Strain Tropism in Whole Brain Organotypic Slice Cultures Rab7 and cholesterol metabolism in prion infection
07-Apr	Camilo	AKMK	Research	Chronic wasting disease (CWD) strain diversity
14-Apr	Kar	Kar	PI	Lysosomal leakage and neuronal vulnerability in Alzheimer's disease pathology : Implication of nanoparticles
21-Apr	Anastasia Madeleine	Stys Wille	Research Research	Complex photophysical properties of K114 make for a versatile fluorescent probe for amyloid detection Analyzing the efficacy of a structure-based prion vaccine in transgenic mouse models
28-Apr	Simonetta Sipione	Sipione	Research	Gangliosides in neurodegeneration and neuroinflammation
05-May	Maria Arifin	Gilch	Research	*A prion protein polymorphism at codon 138 alters chronic wasting disease pathogenesis
12-May	Anthony Anqelle Britton	AK/MK Mok	Research Research	Quantitative Comparison of Chronic Wasting Disease Prion Inactivation by Humic Acid Investigating the Molecular Links Between Mistranslation and Neurodegeneration
19-May	Waqas Tahir	Schatzl	Research	Role of astrocytes in prion propagation and detection of prion aggregates with spectral confocal microscopy
26-May	Ivana Machado	Westaway	Research	Understanding heterogeneity in a TgTauP301L mice model of Frontotemporal Dementia
02-Jun	Sue-Ann Mok	Mok	PI	Molecular Chaperones: Potential power (and limitations) with respect to preventing protein aggregation
09-Jun	Aishwarya Vineet	Wille Wille	Research Research	Rational development of structure-based vaccine candidates for Alzheimer's disease Analyzing the fold of synthetic GSSA117V peptide using PrPSc specific antibody
15-Jun	Tahir	Gilch	Research	Brain-specific cholesterol metabolizing enzyme (Cyp46A1) as a potential therapeutic target in prion diseases
23-Jun 08-Sep	Andrew no seminar----CPPFD picnic	Westaway	Research	Physiological blood-brain transport is impaired with age by a shift in transcytosis
15-Sep	Anthony Ness Allan Yaramady	Mok Mok	Research Research	Cervid exocrine glands: Insights into chronic wasting disease transmission PTH-125 Reduces Biomarkers of Alzheimer's Disease in Patients
22-Sep	Stephanie Jefferson	Nanosstring Technologies	Company Talk	
29-Sep	Sang-Gyun Kang	Westaway	Journal Club	
06-Oct	Aliza Borenstein-Katz	Wille	Research	Structural Studies of Antibodies Targeting a Pancreatic Cancer Marker
13-Oct	Allen Herbst	AK/MK	Research	MIDNA deletion mutations as modifiable risk factors of aging
20-Oct	Cristobal Marrero Winkens	Schaetzl	Research	<i>Investigating the Heat Shock Protein 110 as a Modifier Of Prion Infection In Vitro and In Vivo</i>
27-Oct	Leonardo Cortez	Sim	Research	<i>Studying the molecular bases of PrPSc structural heterogeneity in rodent-adapted prion strains</i>
03-Nov	Aishwarya	Wille	Research	<i>Neuronal spreading and plaque induction of intracellular Aβ and its disruption of Aβ homeostasis.</i>
10-Nov	Samia	Gilch	Research	Transmission of CWD to humanized mice causes atypical disease: evidence for zoonotic potential
17-Nov	Madeleine	Wille	Research	<i>Efficient interspecies transmission of synthetic prions</i>
24-Nov	Richard Kanyo	Allison	Research	Exploring modulators of Kv7 voltage-gated potassium channels for drug discovery
01-Dec	Jason Plemel	Plemel	PI Talk	A diverse microglia response contributes to oligodendrocyte progenitor recruitment during remyelination
08-Dec	Tahir Ali	Gilch	Research	Peptide aptamers as therapeutics for the treatment of neurodegenerative diseases.
15-Dec	Andrew Fang	Wille	Final seminar	Rationally designed, structure based vaccine candidates against prion diseases – an overview