Agenda for 2021 Protein Aggregation 2021 NextGen Symposium on Protein Aggregation Program

Tuesday June 22nd 2021

1:00 – 7:30 PM EDT | 17:00 – 23:30 UTC | 3:00 – 9:30 AM Wednesday June 23rd AEST

Organized by: Shumaila Afrin, Callie Glynn, Dylan Murray, Xiaojing Sui, Silke Vanderhaeghe

1:00 – 1:05 PM		**Introduction**
1:05 – 2:05 PM	*Prof. Devasmita Chakraverty*	**Workshop: Imposter Syndrome**
2:05 – 2:20 PM		**Coffee Break**
2:20 – 3:20 PM	*Talks (15 + 5 min Q&A)*	**Proteostasis and Stress Granules**
2:20 – 2:40 PM	*Laura Mediani*	*Hsp90-mediated regulation of DYRK3 couples stress granule disassembly to cell growth via mTORC1 signaling: implications for ALS*
2:40 – 3:00 PM	*Youngdae Gwon*	*Ubiquitination of G3BP1 mediates stress granule disassembly in a context-specific manner*
3:00 – 3:20 PM	*Kyle Patton*	*DnaJ/Hsp40 tuning of long-term memory and functional amyloidogenesis*
3:20 – 3:35 PM		**Coffee Break**
3:35 – 4:35 PM	*Talks (15 + 5 min Q&A)*	**Protein Misfolding and Refolding**
3:35 – 3:55 PM	*Stephen D. Fried*	*Probing the Proteome's Refoldability under Cellular-like Conditions with Mass Spectrometry*
3:55 – 4:15 PM	*Nicolas Guthertz*	*Understanding the effect of mutation(s) on an aggregation-prone protein: an in-vivo, in-vitro and in-silico analysis*
4:15 – 4:35 PM	*María del Carmen Fernández Ramírez*	*Tau conformational polymorphism decreases during nascent amyloid assembly*
4:35 – 4:50 PM		**Coffee Break**
4:50 – 5:50 PM	*Talks (15 + 5 min Q&A)*	**Low-Complexity Fibril and Amyloid Structure**
4:50 – 5:10 PM	*Myungwoon Lee*	*Molecular Structure and Interactions Within Fibrils Formed by a FUS Low Complexity Domain*
5:10 – 5:30 PM	*Jiahui Lu*	*CryoEM structure of the low-complexity domain of hnRNPA2 and its conversion to pathogenic amyloid*
5:30 – 5:50 PM	*Sofia Bali*	*Modifying amyloid motif aggregation in microtubule binding protein tau through local structure*
5:50 – 6:05 PM		**Coffee Break**
6:05 – 7:25 PM	*Talks (15 + 5 min Q&A)*	**Protein Aggregation in Disease**
6:05 – 6:25 PM	*Max Baker*	*Varicella zoster virus encodes an amyloid 'decoy' inhibitor of cell death*
6:25 – 6:45 PM	*Suman Dutta*	*α-Synuclein ratio in blood-derived neuronal and oligodendroglial exosomes distinguishes Parkinson's disease from multiple system atrophy*
6:45 – 7:05 PM	*Ying Xue Xie*	*Lysosomal Exocytosis Releases Pathogenic α-Synuclein Species from Neurons*
7:05 – 7:25 PM	*Anirban Das*	*Inhibition of Insulin Fibrillation using a Small Molecule thereby Preserving its Bioactivity*

7:25 – 7:30 PM **Closing Remarks**