SfN Singapore Chapter

Program



There are three event spaces: the Black Box Theatre, Performance Hall, and the Performance Hall's Foyer

Artwork and Posters will be exhibited together in the Black Box Theatre.

All material presented at this meeting is considered unpublished, and cannot be photographed or shared via social media, unless permission has been obtained from the presenter.

Oral presentations

Thursday 26th September

Time	Event	Venue
3:00 to 3:30	Registration and High Tea Poster set-up	Foyer and Black Box
3:35 to 3:40	Welcome by Jeannette Ickovics Dean of Faculty, Yale-NUS College, Singapore	Hall
3:40 to 3:45	Introduction, Adam Claridge-Chang President, SfN Singapore Chapter Hall	
3:45 to 5:15	Session 1 – Generation and degeneration of the nervous system. Chair - Zhang Suchun (Duke-NUS, Singapore)	Hall
3:45 to 4:00	Waking up "sleeping" neural stem cells. Hongyan Wang (Duke-NUS)	
4:00 to 4:15	Genetic modifiers of alpha-synuclein – can they help us do something about sporadic Parkinson's disease? Tong-Wey Koh (TLL)	
4:15 to 4:30	Deciphering the Function and Regulation of MicroRNAs in Zika Virus-induced Neural Progenitor Cells Dysfunction Using Mouse and Human Brain Organoids. Tu Haito (NNI)	
4:30 to 4:45	APP Intracellular Domain (AICD) Inhibits Neurogenesis via Interaction with FOXO3. Jiang Mei (NNI),	

4:45 to 5:00	A proteome profiling approach uncovers early markers of Alzheimer's disease linked to neurotoxicity. John Jia En Chua (NUS).	
5:00 to 5:10	Remarks by the session chair	
5:15 to 6:00	Posters/Art Session 1 posters ending with 3, 6, 9	Black Box
	Session 2 – Guest speakers Chair - Ajay Mathuru (Yale-NUS)	
6:05 to 6:10	The patient perspective - Jonathan Liu (Broken Brains)	Hall
6:10 to 7:00	Guest speaker - Shyam Prabhakar (GIS)	Hall
7:00 to 7:30	Wine reception	Foyer
7:30 to 8:30	Dinner	Foyer

Friday 27th September

Time	Event	Venue
9:00 to 10:20	Session 3 – Physiology of the nervous system. Chair - Christine Cheung (NTU)	Hall
9:00 to 9:15	A microtubule polymerase is essential for dendritic microtubule polarity and dendrite pruning in <i>Drosophila</i> . Yu Feng Wei (TLL)	
9:15 to 9:30	S1P2 activation attenuates cisplatin-mediated neuropathy. Derron Herr (NUS)	
9:30 to 9:45	Circadian regulation of breath alcohol concentration. Rukmini Dhara (Duke-NUS)	

9:45 to 10:00	Outcome measures for nusinersen efficacy for adults with spinal muscular atrophy. Crystal Jing Jing Yeo (Harvard)		
10:00 to 10:10	Remarks by the session chair		
10:15 to 10:45	Tea and Coffee Break	Foyer	
10:45 to 12:15	Session 4 - Plasticity and learning. Chair – Andrew Tan (NUS)	Hall	
10:45 to 11:00	Conditioned odor avoidance in <i>Drosophila</i> requires a state of arousal. Stanislav Ott (Duke-NUS).		
11:00 to 11:15	A test of time-resolved functional MRI with subsecond event durations. Wong Pin Hoe Alvin (NUS).		
11:15 to 11:30	Modelling synapse development using 3D human brain organoid Qu Yinghua (NUS).		
11:30 to 11:45	Population Spike-timing Dependent Plasticity and Synaptic Tagging and Capture in Hippocampal area CA1. Pang Ka Lam Karen (NUS).		
11:45 to 12:00	Language, Power and Isolation: Translating Neuroscience to Education. Erik Erwin Jahner (NIE).		
12:00 to 12:10	Remarks by the session chair		
12:15 to 12:50	Lunch		
12:55 to 1:35	Posters/Art Session 2 posters ending with 1, 4, 7		
1:45 to 3:00	Session 5 - Motivation and Emotion. Chair - Sven Pettersson (LKC Medicine)	Hall	

1:45 to 2.00	Does not drink like a fish. Ajay S. Mathuru (Yale-NUS)		
2:00 to 2:15	Homeostatic and hedonic control of appetite in larval zebrafish. Caroline Wee (IMCB)		
2:15 to 2:30	Neural circuitry underlying contextual feeding. Hasan Mohammad (SBIC)		
2:30 to 2:45	A distinct parabrachial circuit for motivational suppression by acute pain. Phua Siew Cheng (SBIC)		
2:45 to 3:00	Percolation Dynamics in the Zebrafish Habenula. Suryadi (NTU)		
3:00 to 3:10	Remarks by the session chair		
3:10 to 3:30	Tea and Coffee Break Foyer		
3:30 to 4:40	Session 6 – Cognition. Chair - Hiroshi Makino (LKC Medicine)	Hall	
3:30 to 3:45	Cortical representations of control. Hiroshi Makino (LKC)		
3:45 to 4:00	Toward understanding the brain circuits for working memory. Tsukasa Kamigaki (LKC)		
4:00 to 4:15	Place selectivity in the hippocampus of the non-human primate. Hui Min Tan (N.1 Institute for Health)		
4:15 to 4:30	Boosted visual performance after eye blinks. Aaron Ang Jit Wei (NTU)		
4:40 to 4:45	Individual-Specific Areal-level Parcellation Improves Behavioral Prediction. Ru Kong (NUS)		
4:45 to 5:30	Posters/Art Session 3 posters ending with 0, 2, 5, 8	Black Box	

	Session 7 - Keynote Chair - Fu Yu (SBIC)	
5:35 to 5:45	Zeiss presentation	Hall
5:45 to 6:35	Keynote speaker Hailan Hu Qiushi Academy for Advanced Studies Zhejiang University School of Medicine	Hall
6:35 to 6:40	Closing remarks – Suresh Jesuthasan (LKC Medicine)	Hall
6:40 to 7:20	Introduction to the artwork and walk-through	Hall then Black Box
7:30 to 8:30	Dinner and Wine reception (Dismount posters)	Foyer





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Society for Neuroscience Singapore September 26-27, 2019



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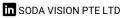
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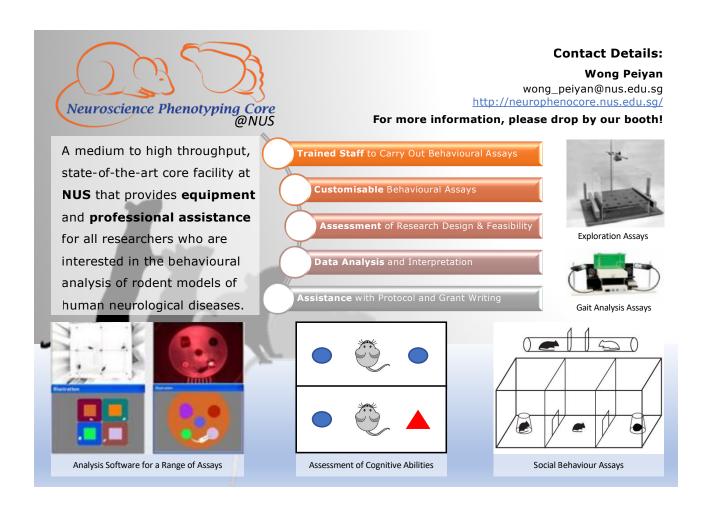
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Drawing Neurons: Artist-Scientist collaborations

Four artists have teamed up with scientists. After a series of conversations, they created works that are being exhibited in the Black Box. This collaboration will continue and the resulting work will be exhibited at the Substation on 22-27 October 2019.

ila with Shyam Prabhakar : Epigenetics of Autism

Debbie Ding with Suresh Jesuthasan: Tracking Fear

Rush Rubin with Ajay Mathuru: Addictions

Isabelle Desjeux with Sangyu Xu and James Stewart: Tracking Hunger

This project is supported by the National Arts Council



Poster presentations

Poster number	Full name	Affiliation	Presentation Title
1	Anna Caroline Braga	Molecular Medicine Institute, Lisbon	The Role of Moderate Aerobic Exercise as Determined by Cardiopulmonary Exercise Testing in ALS
2	Lee Yan Jun	Nanyang Technological University	The role of importin-a1 in synapse-to-nucleus signaling during activity-dependent transcription
3	Pin Kwang Tan	SINAPSE/NUS	Functional specialization of primate lateral prefrontal subregions for spatial working memory
4	Valeria Kebets	National University of Singapore	Somatosensory-motor dysconnectivity spans multiple transdiagnostic
5	Sangyu Xu	IMCB	Serotonergic Neuronal Control of Drosophila Feeding Behavior
6	Egor Ananyev	NTU	The effect of eye blinks on spatial attention in Posner cueing paradigm
7	Jolene Lee Wei Ling	NNI	Development of a 3D in-vitro model for Alzheimer's disease
8	Arnab Biswas	Nanyang Technological University	Predictive smooth pursuit across eye blinks
9	Chia Sook Yoong	NA	Impact of multiples vitamin deficiencies in Alzheimer's mouse model
10	Sarivin Vanan	NNI	Overexpression of the D620N mutated form of the human VPS35 gene does not lead to the developmen of a Parkinson-like phenotype in transgenic mice
11	Soon Hui Rong	Nanyang Technological University	Profiling the Nuclear Proteome of Excitatory Neurons with INTACT during Acute Stage of Seizures
12	Hsiao-ju Cheng	National University Singapore	Task-related brain functional network reconfiguration predicts motor recovery in chronic subcortical stroke
13	Yue Wan Lin	NUS NGS	Associations between network reconfiguration and performance across task loads in visuospatial working memory tasks
14	Fatima Megala Nathan Arokianathan	Yale-NUS	CCSER1 has a role in the development of alcohol dependence
15	Chia Shu Ming Joanne	LKC School of Medicine	Bacteria evoke alarm behaviour in zebrafish
16	Siwei Liu	Duke-NUS Medical School	Cognitive Network Segregation Reflects Divergent Clinical Trajectories of Individuals at Ultra High Risk for Psychosis
17	Animesh Banerjee	IMCB. A-Star	A genetic screen to identify neuronal circuits that underlie tremor in Drosophila
18	Caroline Kibat	NUS	Role of a3 subunit containing nicotinic acetylcholine receptors in addiction
19	Jurga Mituzaite	IMCB, A*STAR	Characterisation of Drosophila epilepsy mutants
20	Suresh Jesuthasan	Lee Kong Chuan School of Medicine	A habenula clock regulates circadian variation in neuromodulator levels
21	Sun Jingbo	LKC Medicine	Functional dissection of ER-plasma membrane contact sites in C. elegans neurons
22	Lauren Hermes Fairley	Nanyang Technological University	Translocator protein (TSPO) ligand reduces phosphorylated tau and inflammation in mouse model of tauopathy.
23	NG KWUN KEI	Duke-NUS Medical School	Age-related differences in task-state functional connectivity reflects developmental differences in network integration
24	Saravanan Gunaseelan	NUS Physiology	Unraveling the cytokine immunopathogenesis of Hand, Foot and Mouth Disease associated neurological complications
25	Yulia Revina	Nanyang Technological University	Perceptual filling-in of the blind spot is not based on activation of monocular region in V1
26	Chew Guo Yan Elaine	NTU-LKC	Interrogating Parkinson, Äôs disease associated mutations at single cell resolution

27	Heng Yue Jing	GIS/LKCMedicine	Unravelling mtDNA mutations in Parkinson's disease brain samples
28	Manuel Stephen Seet	Cognitive Engineering Lab, N. 1 Institute for Health (CeLS, NUS)	Neuroscience of Cognitive Functions: From Theory to Applications
29	Ruey-Kuang CHENG	NTU LKC Medicine	Inhibitory sources of zebrafish lateral habenula revealed by in vivo electrophysiological recordings and calcium imaging
30	Maiko Uesaki	NTU	White matter connections of the human cingulate sulcus visual area (CSv)
31	Wang Qing	Yale-NUS College, IMCB	The role of the $\beta 4$ subunit receptor of the nicotinic acetylcholine receptor in nicotine aversion and withdrawal
32	Roshan Naik	Lee Kong Chian School of Medicine	Immuno-metabolic crosstalk mediated by the mitochondrial translocator protein in obesity
33	LOKE Yng Miin	NBD, Duke-NUS Medical School Singapore	Chronotype associates with psychological attributes important for learning in undergraduate students.
34	Sara Haghani	Yale-NUS College	An Automated Assay System to Study Novel Tank Induced Anxiety
35	Jingwei Li	N.1 Institute, NUS	Global Signal Regression Enhances Association between Resting-State FMRI and Behavior
36	Matt Stamps	Yale-NUS College	Computational geometric tools for quantitative comparison of locomotory behavior
37	Rytis Kazimieras Jonynas	Ajay Sriram Mathuru's lab (Yale-NUS/A*STAR)	Building a modular software system for behavioural data processing, analysis and visualization
38	V Gowri	National University of Singapore	Transgenerational inheritance of a learned food preference in the larvae of Bicyclus anynana butterflies
39	Zhang Zhiwei	NNI	Itanapraced inhibits LRRK2-mediated neurotoxicity via AICD-FOXO3a axis in Parkinson,Äôs disease
40	Nirmala Arul Rayan	Genome Institute of Singapore	Cellular and molecular heterogeneity in SSRI response in rodent brain
41	Farhan Mohammad	College of Health & Life Sciences, HBKU	Dopamine neurons in the mushroom body D2R-dependent bidirectional control on valence and locomotion
42	Roshan Naik	Lee Kong Chian School of Medicine	Immuno-metabolic crosstalk mediated by the mitochondrial translocator protein in obesity
43	David Young	A*STAR (IMCB), UCSF (Psychiatry)	Automated atlas refinement in 3D
44	Chua Chelsea	NTU	Role of Oxytocin in Mate-Choice Copying of Female Rats
45	Tan Sijie	NTU School of Biological Sciences	Neuroprotective effects of pomegranate extract against mitochondrial stress and Toxoplasma gondii infection
46	Tong Wen Han	NTU	Testosterone-dependent epigenetic change of Arginine Vasopressin promoter mediates innate fear in medial extended amygdala of male mice.
47	Wang Zhiyang Brian	National Neuroscience Institute	Identification of novel candidate autoantibodies in Alzheimer's disease
48	Kho Sok Hong @ Yta Raphael Sonja Korompis	Lee Kong Chian School of Medicine Research Department	Correlation of DNA methylation at Promoters of BDNF and RELN genes in peripheral tissues and some suggestions of correlation to DNA methylation in the brain

Vote for your favourite poster and talk at https://bit.ly/2mnZZLf