

## Colloquia and Symposia Sponsored by ION (2019.01-2019.12)

Date	Name	Affiliations	Title
2019.1.4	Pieter Roelfsema	Professor and Director, Netherlands Institute for Neuroscience, Netherland	Feedforward and feedback interactions for visual perception and awareness
2019.1.19	Henry Evrard	Group leader, Max Planck Institute for Biological Cybernetics, Germany.	Body-mind interface in the primate cortex.
2019.2.27	Zhian Hu	Professor, Army Medical University, China	脑觉醒系统及功能
2019.3.8	Guoqiang Yu	Associate Professor, Bradley Department of Electrical & Computer Engineering, Virginia Tech, USA	Functional Quantification of Astrocytes from Calcium or Glutamate Imaging Data
2019.3.18	Weimin Zhong	Associate Professor, Department of Molecular, Cellular and Developmental Biology, Yale University	Counting Number and Time by Mammalian Stem Cells
2019.3.21	David Prober	Professor, Department of Biology and Biological Engineering California Institute of Technology, USA	Evolutionarily Conserved Mechanisms That Regulate Sleep
2019.3.26	Haining Zhong	Scientist, Vollum Institute, Oregon Health & Science University, USA	Neuroimmune interaction in health and disease
2019.3.28	Michael Long.	Associate Professor, New York University School of Medicine, USA	Turn-taking in social communication: a comparative approach
2019.3.29	Edmund Talley	Program Director, National Institute of Neurological Disorders and Stroke (NINDS), USA	The U.S. BRAIN Initiative after five years – where are we now and where are we going?
2019.4.2	Long-Jun Wu	Associate Professor, Mayo College of Medicine, Mayo Clinic, USA	Neuroimmune interaction in health and disease
2019.4.12	Joris de Wit	Group Leader/Associate Professor, VIB/KU Leuven, Belgium	Cell-surface interactions patterning the synaptic network
2019.4.12	Sebastian Haesler	Neuroelectronics Research Flanders, Belgium	Neural circuits for perceptual curiosity
2019.4.15	Ole Paulsen	Professor, University of Cambridge, UK	Synaptic learning rules in the cortex: From spike timing-dependent to network state-dependent plasticity
2019.4.15	Jeffrey Magee	Professor, Baylor College of Medicine, USA	Mechanisms of experience-dependent hippocampal representations

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2019.4.15	Tiago Branco	Senior Research Fellow, UCL Sainsbury Wellcome Centre for Neural Circuits and Behaviour, UK	Computation of instinctive escape behaviour
2019.4.22	Ulrich Schridde	Neuron, Cell Press, USA.	Publishing with Cell Press: Turning exciting research into High-Impact publications
2019.4.23	Shaoping Bai	Associate Professor, Aalborg University, Denmark	Motion assistive exoskeletons: motion detection, interaction control, and applications
2019.4.26	Yan Zhao	Postdoctoral fellow, Vollum Institute, Oregon Health & Science University, USA	Heteromeric assembly and modulation mechanisms of AMPA receptors
2019.4.29	Erik Herzog	Professor, Washington University, USA	Circadian Networks in the Brain: Overlapping Maps and Functions to Schedule Our Day
2019.4.29	Qinghua Liu	Investigator, Tsinghua University, China	Molecular substrates of homeostatic sleep need
2019.5.05	Yuanyuan Liu	Research Fellow, Harvard Medical School, USA	Deciphering corticospinal circuits in sensorimotor control
2019.5.08	Zhe Zhang	Postdoctoral Fellow, University of California, Berkeley , Howard Hughes Medical Institute, USA	Dissecting the Neural Circuits Underlying Sleep
2019.5.08	Yuzheng Hu	Investigator, Zhejiang University	Neural Circuits Associated with Compulsive Behavior of Drug Addiction
2019.5.13	Virginie van Wassenhove	Research Director, CEA, DRF/Joliot, NeuroSpin • INSERM Cognitive Neuroimaging Unit, France	Making sense of time in the Human mind/brain
2019.5.14	Brian B. Rudkin	Research Director, Stem Cell & Brain Research Institute, Inserm U1208, University of Lyon, France	Development of innovative therapeutics mimicking antibodies
2019.5.14	Rodrigo Quiari Quiroga	Research Chair & Director of the Centre for Systems Neuroscience, University of Leicester, UK	Memory formation and long-term coding in the human hippocampus
2019.5.15	Jian Liu	Assistant Professor, University of Leicester	Encoding and decoding visual scenes with neural spikes
2019.5.16	Dean Krusienski	Professor, Virginia Commonwealth University	Recent Progress in Brain-Computer Interface Research
2019.5.26	Mark Prescott	Director of Policy and Outreach, UK N3CRs policy team, UK	The 3Rs in neuroscience research: supporting better science, translation and animal welfare
2019.5.28	Yu Mu	Research Scientist, Janelia Research Campus, HHMI, USA	Astrocytes modulate behavioral state in zebrafish

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2019.06.06H	Mikhail G. Shapiro	California Institute of Technology, USA	Talking to Cells: Biomolecular Engineering for Non-Invasive Imaging and Control of Cellular Function
2019.06.10M	Patricia Jusuf	Lecturer and Group Leader, University of Melbourne, Australia	Using zebrafish to understand developmental and regenerative visual neurobiology
2019.06.17 M 9A-11.30A	1. Germán Sumbre	INSERM, France	Principles of functional circuit connectivity: Insights from the zebrafish optic tectum
	2. Misha Benjamin Ahrens	Janelia Research Campus, HHMI, USA	Brain states and memory in zebrafish
	3. Koichi Kawakami (川上 浩一)	Professor Laboratory of Molecular and Developmental Biology National Institute of Genetics	Learning and memory in zebrafish
2019.06.18T Colloquium	Longhou FANG	Associate Professor Cornell University	AIBP-mediated cholesterol metabolism regulates endothelium and neuron function
2019.06.20H Seminar	Naihe JING	生化细胞所	Early embryonic development and stem cell therapy for Alzheimer's Disease
2019.06.21F Seminar	Xiao WANG	Assistant Professor Massachusetts Institute of Technology	Spatially resolved cell typing in the brain
2019.06.21F Seminar	Jiguang WANG	Assistant Professor Hong Kong University of Science and Technology	Computational study of functional long noncoding RNA in human diseases
2019.06.25T Seminar	Qianli YANG	Lecturer Baylor College of Medicine, USA	Revealing nonlinear neural decoding by analyzing choices
2019.07.04H Colloquium	Carlos Brody	Princeton Neuroscience Institute, Princeton University, USA	Neural mechanisms underlying cognition in rats
2019.07.05F Seminar	Juan Du	Assistant Professor, Van Andel Research Institute, USA	Ligand recognition and gating mechanism of the TRPM channels
2019.07.19F Seminar	Hu ZHAO	Assistant Professor Texas A&M University	PEGASOS tissue clearing technique and its applications
2019.07.23T Seminar	Dan WU (吴丹)	Zhejiang University	Road onto Microstructural Imaging: Diffusion MRI at high-resolution and varying time scales
2019.08.21W Seminar	Ken Sugino	Janelia Farm Research Campus, Korea	Long genes in neuroscience
2019.07.29M Seminar	Yi-Rong PENG (彭懿蓉)	Postdoctoral Fellow/Research Harvard University, USA	Molecular Architecture of the Retina: from Model Systems to Human Vision

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2019.08.13T Seminar	平渊	Zhejiang University	生物大分子递送载体的研究与应用
2019.08.16F Seminar	Xiao Shawn LIU	Assistant Professor Columbia University	Decoding the Epigenome to Explore Biological Functions and Therapeutic Opportunities
2019.08.20T Seminar	黄莹	PI, Faculty Researcher, Leibniz Institute for Neurobiology, Germany	Beyond sensory processing in sensory cortex: Primate auditory cortex in goal-directed behavior
	刘静宇	华中科技大学生命科学与技术学 院	神经系统孟德尔遗传病致病机制及防治 药物研发
2019.08.26M Seminar	Ning-Yu ZHANG (张凝玉)	University College London	The neural basis of the sense of direction in rat retrosplenial cortex
2019.08.26M Colloquium	陶虎	中科院上海微系统与信息技术研 究所	微纳神经传感技术
2019.08.27T Colloquium	Alain PROCHIANTZ	College de France, France	Non-cell autonomous OTX2 homeoprotein transcription factors regulates brain physiology
	Rava Azeredo da Silveira	Ecole Normale Supérieure, France	Coding with correlated neurons
2019.08.30F Seminar	Julie Qiaojin LIN	University of Cambridge	Local protein synthesis in axons and links to neuropathies
2019.09.02M Colloquium	John CORE	Hertha Ramsey Cress University 美国范德堡大学	Functional MRI of White Matter
2019.09.11W Colloquium	Edward ZIFF	NYU Langone Health	AMPA Receptor Trafficking and the Regulation of Reward
	Elisabete C. Konkiewitz		Dissociation, delusion and the Splitting of the self in the trial by franz kafka: Phenomenology and neurobiology of schizophrenia
2019.09.16M Colloquium	洪伟哲 Wei-Zhe HONG	UCLA, USA	Understanding the social brain
2019.09.20F Seminar	Jan Gründemann	University of Basel, SWITZERLAND	Imaging deep: State and sensory coding in subcortical circuits
2019.09.23M Colloquium	Suzanne N. HABER	University of Rochester Medical Center	Linking circuits to psychiatric disease and neurotherapeutic targets: From primate anatomy to human neuroimaging
2019.9.24T Colloquium	Robert Froemke	Associate Professor, NYU School of Medicine, NYU, USA	Oxytocin, Synaptic Plasticity, and Maternal Behavior
2019.9.25W Colloquium	Avraham, Karen B.	Professor, Sackler Faculty of Medicine, Tel Aviv University	Genetics and Epigenetics of the Inner Ear: Implications for Hearing and Deafness

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	Gary David Housley	Scientia Professor, UNSW Sydney	Neurohumoral control of hearing
2019.10.08T Colloquium	Pierre PAOLETTI	Ecole Normale Supérieure, France	NMDA receptors: allosteric machines in neurotransmission and brain function
2019.10.09W Seminar	David STROEBEL	Ecole Normale Supérieure, France	Mechanism of allosteric transduction in NMDA receptors
2019.10.09W Seminar	Jeremy FERRIER	ICONEUS	functional ultrasound imaging: a paradigm-changing brain imaging modality in neuroscience
2019.10.18F Colloquium	Antoine ADAMANDITIS	University of Bern, Switzerland	Neural circuits underlying sleep structure and functions
2019.10.30W Seminar	申怀宗	西湖大学 Westlake University	Systematic Structural Investigation of Eukaryotic Voltage-gated Sodium Channels
2019.11.01F Seminar	Brian HANSEN	Aarhus University	MRI-based studies of the glymphatic system
2019.11.12T Seminar	Fan ZHOU	Peking University, China	Tracing cell fate decision during embryo development at single-cell resolution
2019.11.13W Colloquium	Zhao-Ping LI	Max Planck Institute for Biological Cybernetics, Germany	A new framework for understanding vision from the perspective of the primary visual cortex
2019.12.10T Seminar	Fan GUO	Sichuan University, China	Single-cell Multi-omics Sequencing of Mammalian Germ Cells and Early Embryos
2019.12.11W Seminar	Zi-Qing SHI	Central South University, China	Single-cell Multi-omics Sequencing of Mammalian Germ Cells and Early Embryos
2019.12.18W Colloquium	Gregory ANGELIS	University of Rochester, USA	Neural mechanisms for perceiving object motion during self-motion
2019.12.18W Seminar	Adam ZAIDEL	Bar Ilan University, Israel	A novel cue of self-motion perception in behaving rats
2019.11.16W Mini-Course	Xiao-Bing GAO	Yale University, USA	<i>Mini-Course on the hypothalamic control of physiological functions and behaviors in animals:</i> The hypothalamus as an interface between environment and behavior
2019.11.11M Mini-Course			Hypothalamic control of energy balance
2019.11.14H Mini-Course			Hypothalamic control of arousal
2019.11.14H Seminar	Ci-Rong LIU	University of Pittsburgh, USA	Mapping Marmoset Brains by Magnetic Resonance Imaging
2019.12.10T Seminar	Fan GUO	Sichuan University, China	Single-cell Multi-omics Sequencing of Mammalian Germ Cells and Early Embryos

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2019.12.11W Seminar	Zi-Qing SHI	Central South University, China	Dopamine Deficiency Reduces Striatal Cholinergic Interneuron Function in Models of Parkinson's Disease
2019.12.13F Seminar	潘鲁媛	中科院水生生物研究所	Treat Your Fish Well, Treat Your Research Well——斑马鱼健康与鱼房管理
2019.12.16M Colloquium	Seong-Gi KIM	Sungkyunkwan University, Korea	Dissecting neural networks with fMRI
2019.12.16M Colloquium	Amir SHMUEL	McGill University, Canada	Mechanisms, modeling and analysis of resting-state functional connectivity
2019.12.18W Colloquium	Gregory DE ANGELIS	University of Rochester, USA	Neural mechanisms for perceiving object motion during self-motion
2019.12.18W Seminar	Adam ZAIDEL	Bar Ilan University, Israel	A novel cue of self-motion perception in behaving rats

### **ION PI Seminars (2019.01-2019.12)**

<b>Date</b>	<b>Name</b>	<b>Title</b>
2019.1.24	Yi-Feng Zhang, Ph.D.	视网膜信息处理
2019.3.22	Xiao-Hong Xu, Ph.D.	Hypothalamic Control Of Innate Social Behaviors
2019.5.31	Jie He, Ph.D.	Resolving Neuronal Cell Diversification within Cell Lineages: Studies from the Developing Vertebrate Retina
2019.08.19	Ning-Long XU, Ph.D.	Seeking neuronal and circuit understanding on fundamental cognition