

CEBSIT/ION Colloquia & Symposia



2023.1-2023.12



Date	Name	Affiliation	Title
01.04.2023W Seminar	HU Yu	Hongkong University of Science and Technology, China	<i>Structures of population activity from random recurrent circuits and connectivity motifs</i>
02.20.2023M Colloquium	LIU Chong	Zhejiang University, China	<i>The Crazy Journey of A Glial Cell Toward Immortality: Traveling alone or with accompany?</i>
02.23.2023H Seminar	JIA Shi-Qi	Ji-nan University, Guangzhou, China	<i>Insm1 function in pancreatic beta cells and beyond</i>
03.23.2023H Seminar	LIU Quan-ying	Southern University of Science and Technology, China	<i>Mapping the whole-brain effective connectome using Neural Perturbational Inference</i>
03.23.2023H Colloquium	GUAN Ji-Song	ShanghaiTech University, China	<i>Chasing for the memory engram and its organization in mouse neocortex</i> 《搜寻记忆的印迹》
04.13.2023H Colloquium	CHEN Xiao-ke	Stanford University, USA	<i>Circuitry and molecular mechanisms for descending pain facilitation</i>
04.13.2023H Colloquium	WANG Xiao-qin	Johns Hopkins University, USA Tsinghua University, China	<i>Computational Principles of Auditory Cortex</i>
04.20.2023H Colloquium	XIANG Yang	University of Massachusetts Medical School, USA	<i>Go with the flow: how shear stress mechanosensing regulates mechanical nociception and gut homeostasis</i>
05.05.2023F Seminar	CUI Yi-hui	Zhejiang University, China	<i>Focusing Neural mechanism of stress Dynamics before depression onset - The way to explore novel antidepressant strategies</i> 《慢性压力导致抑郁的新机制和防治新策略》
05.09.2023T Seminar	GU Chang-gui	University of Shanghai for Science and Technology, China	<i>Methods of constructing complex networks based on time series</i> 《基于时间序列的复杂网络构建方法》
05.23.2023T Colloquium	Andrew Parker	Oxford and St John's College, UK	<i>Probing receptive fields in depth</i>
05.30.2023T Colloquium	MIAO Feng	Nanjing University, China	<i>Atomic lego for future computing</i> 《面向未来计算的“原子乐高”》
06.12.2023M Colloquium	Marco A. Romano-Silva	Federal University of Minas Gerais, Brazil	<i>Cognitive impairment following mild COVID</i>

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06.15.2023H Colloquium	Kristine Krug	Otto-von-Guericke-University Magdeburg, Germany	<i>Decoding the neural signals and circuits for perceptual decisions</i>
06.20.2023T Seminar	YANG Fan	Shanghai Institute of Optics and Fine Mechanics, CAS, China	<i>Brillouin microscopy: the advent of a new tool for mechanobiology</i>
06.30.2023F Colloquium	J. Julius Zhu	University of Virginia, USA	<i>Attentional Neurons and Circuits</i>
07.13.2023H Colloquium	ZHU Jing-ning	Nanjing University, China	<i>Roles and mechanisms for the cerebellum in emotion and metabolic regulation</i>
07.24.2023M Colloquium	ZHANG Yi	Harvard Medical School and Boston Children's Hospital, USA	<i>Understanding the cellular, molecular, and circuit bases of brain reward and its dysfunction in neuropsychiatric diseases</i>
08.01.2023T Seminar	WANG Tian	Stanford University, USA	<i>Single-cell transcriptomic atlas reveals increased regeneration in diseased human inner ears</i>
08.07.2023M Seminar	XUE Cheng	University of Chicago, USA	<i>The neuronal cost for being flexible</i>
08.11.2023F Seminar	DAN Chun-tao	Janelia Research Campus, HHMI, USA	<i>Neural mechanism of adaptive goal-directed navigation</i>
08.14.2023M Seminar	MI Jia-rui	Sir Run Run Shaw Hospital, Zhejiang University, China	<i>Using optimized CRISPR-Cas9 mediated knock-in tracers in decoding the cell lineage in zebrafish endodermal organ development and regeneration</i>
08.18.2023F Seminar	MA Lei	Vollum Institute, Oregon Health & Science University, USA	<i>Dopamine and Adenosine interplay to modulate animal behavior via PKA activity</i>
08.22.2023T Colloquium	YUAN Ke-xin	Tsinghua University, China	<i>Deciphering the input-output architecture and function of the auditory thalamus</i>
08.28.2023M Seminar	LIU Yun-zhe	Beijing Normal University, China	<i>Building cognitive map during learning and development</i>
09.20.2023W Seminar	Rodrigo Quian Quiroga	University of Leicester, UK	<i>A unique coding of memory in the human brain</i>
09.25.2023M Symposium	Jinwoong Bok	Yonsei University, Korea	<i>Establishment of tonotopic organization of the mammalian cochlea</i>
09.25.2023M Symposium	Xiaowei Lu	University of Virginia, USA	<i>Non-canonical Wnt signaling in inner ear morphogenesis</i>
09.25.2023M Symposium	Uli Mueller	The Johns Hopkins University, USA	<i>Molecular Force-Sensors Essential for Hearing and Auditory Circuit Development</i>
09.25.2023M Symposium	Walter Marcotti	University of Sheffield, UK	<i>A critical period of sensory independent Ca²⁺-dependent activity is required for normal hearing</i>

Date	Name	Affiliation	Title
09.26.2023T Colloquium	Yuji Naya	Peking University, China	<i>Spatial representations constructed by primate medial temporal lobe</i>
10.10.2023T Colloquium	Uhtaek Oh	Seoul National University, Korea	<i>A novel mechanosensitive channel with slow inactivation kinetics, Structure consideration and physiological functions</i>
10.16.2023M Seminar	KEVIN T. BEIER	University of California, Irvine, USA	<i>Molecular and circuit determinants in the globus pallidus mediating control of cocaine-induced behavioral plasticity</i>
10.17.2023T Seminar	Enrique Hansen	IBENS, France	<i>Population dynamics in spontaneous activations of neuronal assemblies: a topological study</i>
10.19.2023H Seminar	Bas Rokers	New York University, USA	<i>White matter plasticity following cataract surgery in congenitally blind patients</i>
10.19.2023H Symposium	Alexander Sobolevsky	Columbia University, USA	<i>Structure of human TRPV4 in complex with GTPase RhoA and mechanisms of activation and inhibition</i>
10.19.2023H Symposium	Lei Chen	Peking University, China	<i>Mechanism of calcium regulation of TRPC channels</i>
10.19.2023H Symposium	Juan Du	Van Andel Institute, USA	<i>Molecular Principles of Ion Channels involved in Thermal Taste</i>
10.19.2023H Symposium	Ingo Greger	MRC Laboratory of Molecular Biology, Cambridge, UK	<i>AMPA glutamate receptor operation at the angstrom and nanoscales</i>
10.19.2023H Symposium	Lü Wei	Van Andel Institute, USA	<i>Molecular Evolution of TRPM2: From a channel-enzyme to a molecular sensor</i>
10.19.2023H Symposium	Chia-Hsueh Lee	St. Jude Children's Research Hospital , USA	<i>Structures and functions of membrane transporters</i>
10.19.2023H Symposium	Motoyuki Hattori	Fudan University, China	<i>Structural basis for the orthosteric and allosteric and inhibition of P2X receptors</i>
10.20.2023F Seminar	Chao Sun	Aarhus University, Denmark	<i>The Synaptic Machinery for Protein Homeostasis</i>
10.23.2023M Seminar	SASKIA E. J. DE VRIES	Allen Institute for Neural Dynamics, Seattle, USA	<i>Science in the Open at the Allen Institute for Neural Dynamics</i>
10.27.2023F Symposium	DU Kai	Peking University, China	<i>Biophysically detailed brain simulation: next frontier in brain science and AI</i>
10.27.2023F Symposium	HU Yu	Hong Kong University of Science and Technology, China	<i>The dimension and covariance spectrum of population activity shaped by recurrent interactions and connectivity motifs</i>
10.27.2023F Symposium	ZHOU Dong-Zhuo	Professor, Shanghai Jiao Tong University, China	<i>Model reduction of spatial neurons through biophysical modeling and data-driven approaches</i>

Date	Name	Affiliation	Title
10.27.2023F Symposium	XU Ning-Long	CEBSIT/ION	<i>Dendritic computation for context-dependent flexible decision-making</i>
10.27.2023F Symposium	SI Bai-Lu	Beijing Normal University, China	<i>A hierarchical bayesian model for understanding brain dynamics</i>
10.27.2023F Symposium	LI Yuan-Ning	ShanghaiTech University, China	<i>Encoding and decoding of speech language information in the human brain with intracranial recordings</i>
10.27.2023F Symposium	ZHOU Shang-Lin	Institute for Translational Brain Research, Fudan University	<i>Probe cognitions by telling time</i>
10.27.2023F Symposium	CHANG Le	Lab of Object Vision, CEBSIT/ION	<i>Neural representation of faces and objects in the primate brain</i>
11.08.2023W Colloquium	Misha B. AHRENS	Janelia Research Campus, Howard Hughes Medical Institute, USA	<i>Flexible computation in brain-wide zebrafish circuits</i>
11.14.2023T Colloquium	Jia Cheng	Cell Press	<i>Publishing with Cell Press</i>
11.15.2023W Colloquium	LU Zhong-Hua	Shenzhen Institute of Advanced Technology, CAS	<i>Development of nonhuman primate models and therapeutic strategies for brain disorders</i>
11.21.2023T Seminar	David Hildebrand	Rockefeller University	<i>Examining populations of face-selective cells with calcium imaging in marmoset monkeys</i>
12.06.2023W Colloquium	GUO Zeng-Cai	Tsinghua University, China	<i>Working memory and learning: a multiregional perspective</i>
12.11.2023M Colloquium	MA Shao-Jie	Yale University, USA	<i>Development and Evolution of Prefrontal Cortex</i>
12.11.2023M Colloquium	ZHANG Tie-Lin	Institute of Automation, CAS	<i>多尺度生物合理的类脑人工智能算法及应用</i>
12.12.2023T Colloquium	ZHAN Cheng	University of Science and Technology, China	<i>Neuronal Mechanisms underlying the Interaction between Feeding Behavior and Immune Regulation</i>

CEBSIT/ION PI Seminars (2023.01-2023.12)

Date	Name	Title
05.10.2023W	YANG Tian-ming	《从 Transformer 到 AGI: AI 新时代下的脑科学》 (From Tranformer to AGI: Brain Science in the New Age of AI)

CEBSIT/ION Online Seminar series

--- Sponsored by *Neuroscience Bulletin* (2023.01-2023.12)

Date	Speaker	Position / Affiliations	Title
01.09.2023M	Joseph E. LeDoux	New York University, USA	<i>What Happened to the Mental in Mental Disorders</i>
02.08.2023W	Moritz Helmstaedter	Director, Department of Connectomics Max Planck Institute for Brain Research, Germany	<i>Cerebral Cortex Connectomics</i>
02.08.2023W	Rainer W. Friedrich	Senior Group Leader, Friedrich Miescher Institute for Biomedical Research, Basel, Switzerland	<i>Dissecting mechanisms of neuronal computation by "dynamical connectomic"</i>
02.14.2023T	Sestan Nenad	Professor, Yale School of Medicine, USA	<i>What Makes Us Human? Development and Evolution of Prefrontal Circuits Underlying Cognitive Control</i>
02.28.2023T	Ueli Rutishauser	Professor, Cedars-Sinai Medical Center, Los Angeles, USA	<i>Probing human memory and decision making at the single-neuron level</i>
03.24.2023F	David Freedman	University of Chicago, USA	<i>Neural mechanisms of abstract visual decisions in the primate brain</i>
04.04.2023T	Florian Engert	Harvard University, USA	<i>Dead fish swimming: emergence of functional neural circuits in the absence of developmental activity</i>
04.18.2023T	David Badre	Brown University, USA	<i>The organization of neural representations for cognitive control</i>
05.16.2023T	Ann Kennedy	Northwestern University, USA	<i>Neural population dynamics underlying hypothalamic regulation of motivated behavior</i>

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