FRANCIS CRICK SYMPOSIUM IN NEUROSCIENCE: DEVELOPMENT, PLASTICITY & FUNCTION OF NEURAL CIRCUITS

September 8-September 12, 2025

Arranged by

Joseph Gleeson, *University of California, San Diego* Yukiko Goda, *Okinawa Institute of Science and Technology* Bo Li, *Westlake University* Anne Schaefer, *Max Planck Institute for Biology of Aging* Song-Hai Shi, *Tsinghua University*



FRANCIS CRICK SYMPOSIUM IN NEUROSCIENCE: DEVELOPMENT, PLASTICITY & FUNCTION OF NEURAL CIRCUITS

Monday, September 8 - Friday, September 12, 2025

Monday7:00 pmKeynote Speaker 1 Circuit Assembly and mappingTuesday9:00 am2 Stem Cells and Brain DevelopmentTuesday2:00 pmPoster SessionTuesday3:00 pmChinese Tea and Beer TastingTuesday7:00 pm3 Neuronal Development and DiversityWednesday9:00 am4 Synapses and Local Circuit MilieuWednesday1:30 pmVisit to Old Suzhou*Wednesday7:00 pm5 Learning and MemoryThursday9:00 am6 Brain Development and Brain DisordersThursday2:00 pm7 Neural Circuits and BehaviorThursday5:00 pmCocktails and BanquetFriday9:00 am8 Neurobiology of Brain Disorders and Aging			
Tuesday 2:00 pm Poster Session Tuesday 3:00 pm Chinese Tea and Beer Tasting Tuesday 7:00 pm 3 Neuronal Development and Diversity Wednesday 9:00 am 4 Synapses and Local Circuit Milieu Wednesday 1:30 pm Visit to Old Suzhou* Wednesday 7:00 pm 5 Learning and Memory Thursday 9:00 am 6 Brain Development and Brain Disorders Thursday 2:00 pm 7 Neural Circuits and Behavior Thursday 5:00 pm Cocktails and Banquet Friday 9:00 am 8 Neurobiology of Brain Disorders and	Monday	7:00 pm	•
Tuesday 3:00 pm Chinese Tea and Beer Tasting Tuesday 7:00 pm 3 Neuronal Development and Diversity Wednesday 9:00 am 4 Synapses and Local Circuit Milieu Wednesday 1:30 pm Visit to Old Suzhou* Wednesday 7:00 pm 5 Learning and Memory Thursday 9:00 am 6 Brain Development and Brain Disorders Thursday 2:00 pm 7 Neural Circuits and Behavior Thursday 5:00 pm Cocktails and Banquet Friday 9:00 am 8 Neurobiology of Brain Disorders and	Tuesday	9:00 am	2 Stem Cells and Brain Development
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Wednesday 9:00 am 4 Synapses and Local Circuit Milieu Wednesday 1:30 pm Visit to Old Suzhou* Wednesday 7:00 pm 5 Learning and Memory Thursday 9:00 am 6 Brain Development and Brain Disorders Thursday 2:00 pm 7 Neural Circuits and Behavior Thursday 5:00 pm Cocktails and Banquet Friday 9:00 am 8 Neurobiology of Brain Disorders and	Tuesday	3:00 pm	Chinese Tea and Beer Tasting
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Thursday 9:00 am 6 Brain Development and Brain Disorders Thursday 2:00 pm 7 Neural Circuits and Behavior Thursday 5:00 pm Cocktails and Banquet Friday 9:00 am 8 Neurobiology of Brain Disorders and	Wednesday	1:30 pm	Visit to Old Suzhou*
Thursday 2:00 pm 7 Neural Circuits and Behavior Thursday 5:00 pm <i>Cocktails and Banquet</i> Friday 9:00 am 8 Neurobiology of Brain Disorders and	Wednesday	7:00 pm	5 Learning and Memory
Thursday 5:00 pm <i>Cocktails and Banquet</i> Friday 9:00 am 8 Neurobiology of Brain Disorders and	Thursday	9:00 am	6 Brain Development and Brain Disorders
Friday 9:00 am 8 Neurobiology of Brain Disorders and	Thursday	2:00 pm	7 Neural Circuits and Behavior
,	Thursday	5:00 pm	Cocktails and Banquet
	Friday	9:00 am	

Oral presentation sessions are located in the CSHA Auditorium Poster session and Chinese Tea & Beer Tasting are in the Lake Front Hall. Cocktail social hour is held outside in the Suz Garden.

Old Suzhou visits depart from the CSHA lobby *optional tour requires additional fee.

Meal locations and times are as follows: Lunch: Main Cafeteria 12:00pm - 1:30pm Dinner: Main Cafeteria 6:00pm - 7:30pm Banquet: Suz Garden 6:00pm

More information will be available at CSHA office. (Map at the end of this abstract book)

PROGRAM

MONDAY, September 8-7:00 PM

SESSION 1	CIRCUIT ASSE	MBLY AND	MAPPING
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Chairpersons: Bo Li, Westlake University, Hangzhou, China

Song-Hai Shi, Tsinghua University, Beijing, China

KEYNOTE SPEAKER	
Wiring specificity of neural circuits <u>Liqun Luo</u> , Cheng Lyu, Zhuoran Li, Daniel Pederick, Ellen Gingrich, Uree Chon [35'+10'] Presenter affiliation: Stanford University, Stanford, California.	1
Activity-dependent remodeling of neuronal circuits during development Takeshi Imai [20'+10'] Presenter affiliation: Kyushu University, Fukuoka, Japan.	2
Mesoscale mapping of the nervous system—From brain to body Guoqiang Bi [20'+10'] Presenter affiliation: University of Science and Technology of China, Hefei, China; CAS Shenzhen Institute of Advanced Technology, Shenzhen, China.	3
Functional imaging of developing brain in mice and non-human primates Jiejun Zhu, Dongming He, Mengzhu Sun, Hanming Zheng, Xiaoli Lin, Weizhen He, Lijie Zhang, Zihao Chen, Jin Yang, Chengqi Lin, Yun Shi, Lei Sun, Zhihai Qiu [10'+5'] Presenter affiliation: Guangdong Institute of Intelligence Science and	
Technology, Zhuhai, China.	4

TUESDAY, September 9—9:00 AM

SESSION 2	STEM CELLS AND BRAIN DEVELOPMENT	
Chairpersons:	Yukiko Gotoh, University of Tokyo, Tokyo, Japan Fiona Doetsch, University of Basel, Basel, Switzerland	
neocortical dev Yukiko Gotoh [5
Fiona Doetsch	I heterogeneity of adult neural stem cells [20'+10'] tion: University of Basel, Basel, Switzerland.	6
GABAergic inh human brain Longzhong Jia, Lianyan Li, <u>Da N</u>	radial glial cells maintain the production of ibitory neurons and glial cells in the developing Xiaohan Li, Yiming Yan, Linhe Xu, Weichao wang, Ii [10'+5'] Iion: Tsinghua University, Beijing, China.	7
altering the rati	tion: National University of Singapore, Yong Loo Lin	8
Break		
Stavros Lomvar	ularity in olfactory receptor gene expression das [20'+10'] tion: Columbia University, New York, New York.	9
astroblastoma Wei Shi [10'+5	ions converge on shared mechanisms in initiating i] tion: Chinese Institute for Brain Research, Beijing,	10

Premature cortical inhibitory neurogenesis in Down syndrome Jingwen Ding, Chang N. Kim, Tomasz J. Nowakowski, Alex A. Pollen [10'+5']	
Presenter affiliation: University of California San Francisco, San Francisco, California.	11
Teneurin isoformic coding in fly olfactory circuit assembly Jiahang Ju, <u>Tongchao Li</u>	
Presenter affiliation: Zhejiang University, Hangzhou, China.	12
Neuronal pruning and its implications in human neurodevelopmental disorders Fengwei Yu	
Presenter affiliation: Temasek Life Sciences Laboratory, Singapore.	13
TUESDAY, September 9—2:00 PM	
POSTER SESSION	
Stress novelty influences cholinergic involvement in hippocampal early gene activation Alexey P. Bolshakov, Angelina K. Deryabina, Alexandra A. Fedulova,	
Alena A. Koryagina, Yulia V. Dobryakova Presenter affiliation: Institute of Higher Nervous Activity and Neurophysiology, Moscow, Russia.	14
The role of calcium signaling during neural development in bipolar disorder	
Melis Çelik, Mahnaz Nikpour, Vika Telle, Bingqing He, Berta Marcó de La Cruz, Parvaneh Nikpour, Lina Jonsson, Carl M. Sellgren, Mikael Landén, Erik Smedler	
Presenter affiliation: University of Gothenburg, Gothenburg, Sweden.	15
Probiotic intervention restores microglial surveillance and synaptic architecture in the aging cortex	
<u>Chia-Chien E. Chen</u> , Hyo Gun Lee, Ju Lu, Yi Zuo Presenter affiliation: Duke Kunshan University, Suzhou, China; University of California Santa Cruz, Santa Cruz, California.	16

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Mapping ultrasound-driven neural activity at millisecond resolution via voltage sensors Congmin Chen, Langzhou Liu, Yong Wu, Lei Sun	
Presenter affiliation: The Hong Kong Polytechnic University, Hong Kong, China.	17
Multimodal single-cell analyses reveal molecular markers of neuronal senescence in human drug-resistant epilepsy Jiadong Chen	
Presenter affiliation: Zhejiang University, Hangzhou, China.	18
How does the brain learn? A dynamical systems perspective Zihao Chen, Zhihai Qiu, Lei Sun Presenter affiliation: Guangdong Institute of Intelligence Science and Technology, Zhuhai, China; The Hongkong Polytechnic University, Hong Kong, China.	19
Pathway-specific hippocampal plasticity gated by theta-frequency medial septal cholinergic activity Yulia V. Dobryakova, Tinna A. Korotkova, Alexey P. Bolshakov, Vladimir A. Markevich Presenter affiliation: Institute of Higher Nervous Activity and Neurophysiology of the Russian Academy of Science, Moscow,	
Russia.	20
Identifying electrophysiological biomarkers in hiPSC-derived neurons from ADHD patients Lorenzo D. Dodi, Sreedhar S. Kumar, Edna Grünblatt, Andreas	
Hierlemann Presenter affiliation: ETH Zürich, Basel, Switzerland.	21
Dissecting the cellular effects of schizophrenia risk variants: 3q29 deletion and duplication in neurodevelopment and function Bingqing He, Lovisa Lettius, Melis Çelik, Fredrik H. Sterky, Jennifer G. Mulle, Erik Smedler	
Presenter affiliation: University of Gothenburg, Gothenburg, Sweden.	22
Temporal and Notch identity determine layer targeting and synapse location in the fly visual system <u>Isabel Holguera</u> , Yen-Chung Chen, Yu-Chieh David Chen, Félix Simon, Adelia G. Gaffney, Rodas D. Joseph, Sergio Córdoba, Claude Desplan	
Presenter affiliation: New York University, New York, New York; Institut Jacques Monod, Paris, France.	23

ERK-dependent amyloidogenesis drives hydrocephalus across etiologies Lingling Ge, Zhichao Wang, Qingfeng Li, Wei Huang Presenter affiliation: Chinese Academy of Sciences, Center for Excellence in Brain Science and Intelligence Technology, Shanghai, China.	24
Targeted mechanogenetics to modulate specific deep neural circuits Xuandi Hou, <u>Jianing Jing</u> , Zhuohan Shi, Lei Sun Presenter affiliation: The Hong Kong Polytechnic University, Hong Kong, China.	25
RACK1 as a dynamic platform for protein (de)phosphorylation and translational control in neurons Peter M. Kolosov, Polina A. Fortygina, Nikita S. Biziaev, Ekaterina Y. Shuvalova, Elena Z. Alkalaeva Presenter affiliation: Engelhardt Institute of Molecular Biology, The Russian Academy of Sciences, Moscow, Russia; Institute of Higher Nervous Activity and Neurophysiology, The Russian Academy of Sciences, Moscow, Russia.	26
Relation between valence and locomotor performance using well established optogenetic tools in <i>Drosophila melanogaster</i> Nicole M. Lee, Adam Claridge-Chang Presenter affiliation: Duke-NUS Medical School, Singapore.	27
Non-invasive targeted vector delivery for spatially precise and flexible sonogenetics Danni Li, Quanxiang Xian, Yizhou Jiang, Lei Sun Presenter affiliation: The Hong Kong Polytechnic University, KowLoon, Hong Kong, China.	28
An RNA-RNA interaction required for GABA signaling in Drosophila Ryan Loker, Claude Desplan Presenter affiliation: New York University, New York, New York.	29
Fluorescent barcode vectors for mesoscopic circuit mapping <u>Daichi Moriyasu</u> , Satoshi Fujimoto, Fuyuki Kamizono, Saha Biswanath, Yuki Ishida, Hikari Takeshima, Akiya Watakabe, Itaru Imayoshi, Takeshi Imai Presenter affiliation: Kyushu University, Fukuoka, Japan.	30

Alzheimer's disease associated PS1 mutation disrupt cortical development through NOTCH signaling Jiyong Peng, Jiong Shi	
Presenter affiliation: University of Science and Technology of China, Hefei, China.	31
Mechanisms of pial astrocyte specification in the developing mouse cerebral cortex Masatake Sasaki, Koji Oishi, Yukiko Gotoh Presenter affiliation: The University of Tokyo, Tokyo, Japan.	32
Perinatal opioid exposure disrupts immune signalling in the prefrontal cortex and dorsal hippocampus of juvenile rats Rinjani Soengkoeng, Arshman S. Sahid, Abigail Marcus, Adam K. Walker, Ju-Lee Oei, Kelly Clemens, Meredith Ward Presenter affiliation: University of New South Wales, Sydney, Australia.	33
3D in vitro modelling of 1q21.1 duplication syndrome <u>Aleksandra T. Spasova</u> , Tianqi Wang, Yasir A. Syed Presenter affiliation: Cardiff University, Cardiff, United Kingdom.	34
Sonogenetics and neuroscience utility	
<u>Lei Sun</u> Presenter affiliation: the Hong Kong Polytechnic University, Hung Hom, Hong Kong, China.	35
Dopamine D1 receptors in the medial prefrontal cortex regulate methamphetamine seeking Yiwen Sun, Sai Shi	
Presenter affiliation: Shanghai Jiao Tong University School of Medicine, Shanghai, China.	36
Investigating the cellular microarchitecture of squid optic lobe Rudi Tong, Vasileios Glykos, Lada Dolezalova, Samuel Reiter, Yukiko Goda	
Presenter affiliation: Okinawa Institute of Science and Technology, Okinawa, Japan.	37
Efficiency to inefficiency—EEG patterns of healthy ageing in response to a cognitive challenge Lily Mei G. Mckechnie, Jon Garner, Shaoyu Wang	
Presenter affiliation: Charles Sturt University, Orange, Australia.	38

Using patient-induced pluripotent stem cells derived cortical organoids to investigate human neuronal phenotypes in 3q29 deletion and duplication syndrome <u>Tianqi Wang</u> , Kubra Trabzonlu, Yasir Ahmed Syed Presenter affiliation: Cardiff University, Cardiff, United Kingdom.	39
DCX knockout ferret reveals a neurogenic mechanism in cortical development Wei Wang, Xiaoqun Wang Presenter affiliation: Institute of Biophysics, Chinese Academy of Sciences, Beijing, China.	40
Methyl gallate attenuates post-stroke emotional and cognitive symptoms by promoting hippocampal neurogenesis via PI3K/GSK3 and AMPK signaling Limin Xu, Feifei Chen, Haimei Fan, Longxing Zhang, Fei Yang, Jianyu Pang, Baolong Pan, Xuemei Wu Presenter affiliation: The Chinese University of Hong Kong, Shenzhen, China.	41
Miniaturized and accessible functional ultrasound imaging system for freely moving mice Jin Yang, Erlei Zhou, Lei Sun, Wentao Wu, Zhihai Qiu Presenter affiliation: Guangdong Institute of Intelligence Science and Technology, Zhuhai, China; The Hong Kong Polytechnic University, Hong Kong, China.	42
A vagal liver-brain circuit for inflammation sensing and response Na Zhang, Zhiyin Lam, Sarah, Xinwei Luo Presenter affiliation: Agency for Science, Technology and Research (ASTAR), Singapore.	43
Inhibitory-neuron-specific sonogenetics for microcircuit modulation Dongshuai Zhao, Lei Sun Presenter affiliation: The Hong Kong Polytechnic University, Hong Kong, China.	44
TMTC3 stabilizes LAMB1 to maintain basement membrane integrity in cortical development Shufang Zhao, Xiaoxu Yang, Harry Vong, Adnan Halim, Guoliang Chai, Joseph G. Gleeson Presenter affiliation: Xuanwu Hospital Capital Medical University, National Center for Neurological Disorders, Beijing, Beijing, China.	45

mediated nuclingSF11-guided Chuying Zhou, Presenter affilia Modulation, Sho Connectome ar	oordination in neuronal development—Nesprin-2- ear translocation via microtubule motors and I axon projection Chunyun Jia, Mineko Kengaku, Liming Tan ation: Shenzhen Key Laboratory of Neuropsychiatric enzhen, China; CAS Key Laboratory of Brain and Manipulation, Shenzhen, China; Guangdong Laboratory of Brain Connectome and Behavior, ma.	46
	TUESDAY, September 9—3:00 PM	
	Chinese Tea and Beer Tasting	
	TUESDAY, September 9—7:00 PM	
SESSION 3	NEURONAL DEVELOPMENT AND DIVERSITY	
Chairpersons:	Song-Hai Shi, School of Life Sciences, Tsinghua University, Beijing, China Claude Desplan, New York University, New York, New York, USA	
in mammals m Song-Hai Shi	emergence of striatal GABAergic interneuron types nodulates behavioral flexibility [20'+10'] ation: School of Life Sciences, Tsinghua University,	47
modes of dive		48
Claude Desplar	and stochastic generation of neuronal diversity 1, Raghu Rajesh, Yen-Chung Chen, Khaled Ben akshi, Neset Ozel [20'+10']	

Presenter affiliation: New York University, New York, New York; NYU

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Abu Dhabi, Abu Dhabi, United Arab Emirates.

	rons provide both instructive and permissive pecific interneuron subtypes ishell [10'+5']	
Presenter affilia	tion: Harvard Medical School, Boston, Massachusetts.	50
Yan Song [10'	•	
Presenter affilia	tion: Peking University, Beijing, China.	51
Modelling neur systems	rodevelopmental disorders in flies and mammalian	
Hongyan Wang	[10'+5'] tion: Duke-NUS Medical School, Singapore.	52
	WEDNESDAY, September 10—9:00 AM	
SESSION 4	SYNAPSES AND LOCAL CIRCUIT MILIEU	
Chairpersons:	Yukiko Goda, Okinawa Institute of Science and Technology, Okinawa, Japan Shujia Zhu, Southern University of Science and Technology, Shenzhen, China	
	ynapse function through astrocyte links	
	20'+10'] tion: Okinawa Institute of Science and Technology rsity, Okinawa, Japan.	53
Decoding syna	ptic signaling dynamics underlying plasticity	
Ryohei Yasuda Presenter affilia Jupiter, Florida.	tion: Max Planck Florida Institute for Neuroscience,	54
Native NMDA r synaptic physi Shujia Zhu [20		
	tion: Southern University of Science and Technology,	55
Break		

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	hology maintenance involves membrane symmetry and extracellular vesicle biogenesis holm [10'+5']	
	tion: UC San Diego, La Jolla, California.	56
potentiation mo	Iscape of neuronal nuclei in a mouse long-term odel with ultra-low input uan, Ye Tian [10'+5']	5 7
	tion: Changping Laboratory, Beijing, China.	57
John H. Lee, Ali Fabiana Bahna, Weiner, Lawren	chogenesis requires self-recognition na Sergeeva, Göran Ahlsen, Seetha Mannepalli, Kerry Goodman, Runzheu Xu, Baljit Khakh, Joshua ce Shapiro, Barry Honig, Lawrence Zipursky [10'+5'] tion: University of California Los Angeles, Los Angeles,	58
CD47's regulation of memory processes Jiaoyang Wo, Yunlong Liu, Xiaoyu Chen, Sheena A. Josselyn, Paul W. Frankland [10'+5'] Presenter affiliation: University of Toronto, Toronto, Canada; The		
Hospital for Sick	c Children, Toronto, Canada.	59
	WEDNESDAY, September 10—1:30 PM	
	Visit to Old Suzhou	
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SESSION 5	LEARNING AND MEMORY	
Chairpersons:	Paul Frankland, Hospital for Sick Children, University of Toronto, Toronto, Canada Yasunori Hayashi, Kyoto University Graduate School of Medicine, Kyoto, Japan	of
memory engrai Yasunori Hayas		60

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BRAIN DEVELOPMENT AND BRAIN DISORDERS

SESSION 6

Chairpersons: Joseph Gleeson, University of California, San Diego, La Jolla, California, USA Chongyuan Luo, University of California, Los Angeles, Los Angeles, California, USA	
TMTC3 stabilizes LAMB1 to maintain basement membrane integrity in cortical development Shufang Zhao, Xiaoxu Yang, Harry Vong, Adnan Halim, Guoliang Chai, Joseph G. Gleeson [20'+10'] Presenter affiliation: University of California San Diego, La Jolla, California.	66
Cerebral organoids—Growing human brain tissue from stem cells to study development and disease <u>Juergen A. Knoblich</u> [20'+10'] Presenter affiliation: Austrian Academy of Science, Vienna, Austria; Medical University of Vienna, Vienna, Austria.	67
Dissecting human brain development and neuropsychiatric disorders with single-cell and spatial 3D-multiomics Matthew G. Heffel, Heng Xu, Katherine W. Eyring, Cuining Liu, Oier Pastor Alonso, Nasser Elhajjaoui, Xinzhe Li, Bogdan Pasaniuc, Jason Ernst, Eran Mukamel, Quan Zhu, Bogdan Bintu, Daniel H. Geschwind, Mercedes F. Paredes, Chongyuan Luo [20'+10'] Presenter affiliation: University of California Los Angeles, Los Angeles, California.	68
Break	
Looking at glioblastoma through the lens of developmental and circuit neurobiology Hongiun Song [20'+10'] Presenter affiliation: University of Pennsylvania, Philadelphia, Pennsylvania.	69
Pathological aggression in mice after repeated experience of aggression—Changes in brain immunity Anastasia Mutovina [10'+5'] Presenter affiliation: Institute of Cytology and Genetics, SB RAS, Novosibirsk, Russia; Novosibirsk State University, Novosibirsk, Russia.	70

postnatal brair Chenran Wang		71
Quanxiang Xian	ted suppression of seizures using sonogenetics and Danni Li, Lei Sun [10'+5'] tion: The Hong Kong Polytechnic University, Hong	72
depression be Jing Cui, Jie Yu	n induced binge-like eating modulates anxiety and haviors via a hypothalamic projecting circuit, Yuchu Liu, Ji-an Wei, <u>Li Zhang</u> [10'+5'] tion: GHM Institute of CNS Regeneration, Guangzhou,	73
	THURSDAY, September 11—2:00 PM	
SESSION 7	NEURAL CIRCUITS AND BEHAVIOR	
Chairpersons:	Yang Dan, Shenzhen Medical Academy of Research at Translation, Shenzhen, China Bo Li, Westlake University, Hangzhou, China	nd
What is sleep the Yang Dan (20) Presenter affilia Translation, She	+10'] tion: Shenzhen Medical Academy of Research and	74
behavior Michael Hausse	er [20'+10'] tion: HKU, Hong Kong, China; UCL, London, United	75
Bo Li [20'+10']	neural circuitry underlying motivated behaviors tion: Westlake University, Hangzhou, China.	76
Break		

Modulation of PMv ^{DAT} cells during aggression development persistently alters social behaviour through changes in an upstream social brain circuit <u>Laura Heikkinen</u> , Debora Masini, Liam Moran, Nancy Xu, Christian Broberger [10'+5'] Presenter affiliation: Stockholm University, Stockholm, Sweden; Karolinska Institutet, Stockholm, Sweden.	77
DeepEcoHAB—A machine learning based system for high- throughput behavioral phenotyping of social groups of laboratory	
animals <u>Marcin A. Lipiec,</u> Konrad Danielewski, Jadwiga Zymer, Ewelina Knapska [10'+5']	
Presenter affiliation: Nencki Institute of Experimental Biology, Warsaw, Poland.	78
All-optical interrogation of neural and astrocytic regulation of hunting behavior in larval zebrafish Guangnan Tian, Gewei Yan, Thomas Ka Chung Lam, Kenny Kang Yuen Chen, Kai Fu, Jianan Y. Qu, Julie L. Semmelhack [10'+5'] Presenter affiliation: The Hong Kong University of Science and Technology, Hong Kong S.A.R., China.	79
Robust and ultrabright chemical labeling enables rapid neural connectivity profiling in large tissue samples Shilin Zhong, Xiaoting Zhang, Xinwei Gao, Qingchun Guo, Minmin Luo, Rui Lin [10'+5']	
Presenter affiliation: National Institute of Biological Sciences (NIBS), Beijing, Beijing, China.	80

THURSDAY, September 11—5:00 PM

COCKTAILS and BANQUET

FRIDAY, September 12—9:00 AM

SESSION 8	NEUROBIOLOGY OF BRAIN DISORDERS AND AGING		
Chairpersons:	Joseph Ecker, The Salk Institute, La Jolla, California, USA Hannah Monyer, Heidelberg University and German Cancer Research Center (DKFZ), Heidelberg, Germany	′	
Hannah Monye Presenter affilia	pjection neurons—Powerful but vulnerable [20'+10'] tion: Medical Faculty of Heidelberg University and r Research Center (DKFZ), Heidelberg, Germany.	81	
Qiurui Zeng, We Nery, Rosa G. (Wubin Ding, Hu Amaral, Bing Re	modeling in the aging mouse brain ei Tian, Amit Klein, Anna Bartlett, Hanqing Liu, Joseph Castanon, Chumo Chen, Yuru Song, Wenliang Wang, Iaming Chen, William Owens, Zhanghao Wu, Maria L. en, Margarita Behrens, Joseph R. Ecker [20'+10'] Ition: The Salk Institute, La Jolla, California.	82	
Patho-mechanism of elF3F-associated neurodevelopmental disorder MRT67 Dan Su, Fajin Li, Luhao Yang, Dieter A. Wolf [10'+5'] Presenter affiliation: Technical University of Munich, Munich, Germany.			
Break			
motor neuron Ruilei Cheng, T	naling as a trigger for TDP-43 mislocalization and degeneration in ALS al G. Pery, Eran Perlson [10'+5'] tion: Tel Aviv University, Tel Aviv, Israel.	84	
hierarchical Ba Makliya Mamat	erogeneous brain morphology of autism with ayesian regression normative modeling, Yiyong Chen, Lin Li [10'+5'] tion: School of Basic Medical Sciences, Health Science, China.	85	

autism spectrum disorders	
Maria Pascual-Garcia, Carolina Nunes, Philipp Hornauer, Linda	
Kaupp, Elias Hefti, Eva Harde, Stormy Chamberlain, Marcos R. Costa,	
Andreas Hierlemann, Manuel Schröter [10'+5']	
Presenter affiliation: ETH Zurich, Basel, Switzerland.	86

A single-nucleus atlas of genetic and epigenetic landscapes in Parkinson's disease midbrain

Human models on a chip—Dissecting E/I balance in syndromic

Xinran Song, Anna Diacofotaki, Bernard Thienpont	[10′+5′]	
Presenter affiliation: KU Leuven, Leuven, Belgium.		87