

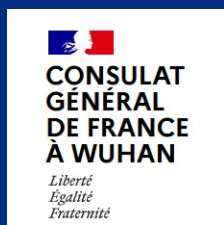
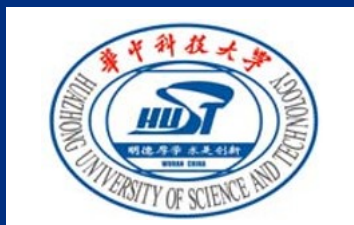
2022

感知生物与技术国际研讨会

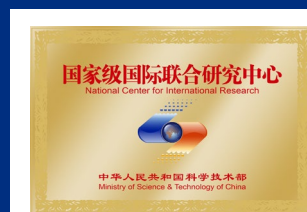
International Sensory Biology & Technology Meeting

14&15 December 2022

主办单位 Organized by:



**分子生物物理
教育部重点实验室**
Key Laboratory of
Molecular Biophysics,
HUST, MOE



中法脑信号转导实验室
2022YFE0116600
Sino-France joint
laboratory for brain
signal transduction

Chair



Grégoire Prévost
CIPREVO
France



Jianfeng Liu
HUST
China



International Sensory Biology & Technology Meeting

December 14&15, 2022

Meeting Number: 467-8708-8688 Code: 2022

Link: <https://meeting.tencent.com/dm/jgGQjS2GpiO>

Day 1: Wednesday, December 14, 2022 (Chinese time)

Date	Time	Subject	Guest speaker
December 14 (Chinese time)	14:30-15:20	Opening speech	Jianguo Chen (HUST), Jean -Yves ROUX (French Consulate in Wuhan), Grégoire Prévost (Chair, CIPREVO), Jianfeng Liu (Chair, HUST), Jianmiao Liu (HUST)
	Session 1: Sensory biology and aging		Part I chair : Shangbang Gao
	15:20-15:45	The neural basis of healthy aging	Shiqing Cai (Chinese Academy of Sciences, China)
	15:45-16:10	Sensory cilia regulate unfolded protein response to promote longevity in <i>C. elegans</i>	Guangshuo Ou (Tsinghua University, China)
	16:10-16:35	The neuronal control of systemic mitochondrial stress regulation and aging in <i>C. elegans</i>	Ye Tian (Chinese Academy of Sciences, China)
	16:35-17:00	Sensory glia modulate neuronal adaptation and aging	Lijun Kang (Zhejiang University, China)
	17:00-17:25	Enteric GABAergic Neuron-Intestinal Muscle Unit Promotes Gut Defense	Haijun Tu (Hunan University, China)
	17:25-17:40	Tea Break	
	Session 1: Sensory biology and aging		Part II chair: Haijun Tu
	17:40-18:05	Impact of fungicide residues on neurodevelopment and cognition	Véronique Perrier (Montpellier University II, France)
	18:05-18:30	Epidermal wound sensation and repair in <i>C. elegans</i>	Suhong Xu (Zhejiang University, China)
	18:30-18:55	An Interneuron perceives nicotine facilitated proprioception.	Shangbang Gao (Huazhong University of Science and Technology, China)
	18:55-19:20	A nanobody activating metabotropic glutamate receptor 4	Laurent Prézeau (Institute Genomic Function, France)
	19:20-19:45	Distinct neuroendocrine signals bidirectionally regulate heat and cold chronic phenotypes	Jianke Gong (Huazhong University of Science and Technology, China)

Day 2: Thursday, December 15, 2022 (Chinese time)

Date	Time	Subject	Guest speaker
December 15 (Chinese time)	Session 2: Sensory biology and receptors		Chair: Ralf Jockers (Institute Cochin, France)
	15:30-15:55	Structural dynamics of the mGlu receptors studied at the single molecule level	Jean-Philippe Pin (Institute Genomic Function, France)
	15:55-16:20	Sensing the defective function of GPCR variants and rescue strategies	Ralf Jockers (Institute Cochin, France)
	16:20-16:45	Nanobodies as potential therapeutic tools for brain diseases	Philippe Rondard (Institute Genomic Function, France)
	16:45-17:10	Environmental perception modulates longevity via GPCR-mediated neuroendocrine signaling pathways	Bi Zhang (Huazhong University of Science and Technology, China)
	17:10-17:20	Does chemotactic migration under physical constraints alter glioblastoma cell nuclei and fate?	Lucie Martin (University of Rouen Normandie, France)
	17:20-17:35	Inventing "tumor traps" to treat brain cancer relying on specific expression of a chemopeptide GPCR: a potential new therapeutic approach Together discussion	Hélène Castel (University of Rouen Normandie, France)
	17:35-18:00	Intersubunit disulfide links control calcium-sensing receptor activity	Ping Yi (Huazhong University of Science and Technology, China)
	18:00-18:25	Distinct roles of β -arrestins in GPCR endocytosis	Junke Liu (University of Montpellier, France; Huazhong University of Science and Technology, China)
	18:50-19:00	Break	
	Session 3: Sensory biology and Technology		Chair: Grégoire Prévost (CIPREVO)
	19:00-19:25	Controlled phage therapy of drug-resistant bacterial infection by chimeric M13 phage	Huan Peng (Huazhong University of Science and Technology, China)
	19:25-19:50	HTRF/Alpha assay application in PROTAC	Weiwei Jin (PerkinElmer)
Close remark			

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Day 1: Wednesday, December 14, 2022 (French time)

Date	Time	Subject	Guest speaker
December 14 (French time)	7:30-8:20	Opening speech	Jianguo Chen (HUST), Jean -Yves ROUX (French Consulate in Wuhan), Grégoire Prévost (Chair, CIPREVO), Jianfeng Liu (Chair, HUST), Jianmiao Liu (HUST)
	Session 1: Sensory biology and aging		Part I chair : Shangbang Gao
	8:20-8:45	The neural basis of healthy aging	Shiqing Cai (Chinese Academy of Sciences, China)
	8:45-9:10	Sensory cilia regulate unfolded protein response to promote longevity in <i>C. elegans</i>	Guangshuo Ou (Tsinghua University, China)
	9:10-9:35	The neuronal control of systemic mitochondrial stress regulation and aging in <i>C. elegans</i>	Ye Tian (Chinese Academy of Sciences, China)
	9:35-10:00	Sensory glia modulate neuronal adaptation and aging	Lijun Kang (Zhejiang University, China)
	10:00-10:25	Enteric GABAergic Neuron-Intestinal Muscle Unit Promotes Gut Defense	Haijun Tu (Hunan University, China)
	10:25-10:40	Tea Break	
	Session 1: Sensory biology and aging		Part II chair: Haijun Tu
	10:40-11:05	Impact of fungicide residues on neurodevelopment and cognition	Véronique Perrier (Montpellier University II, France)
	11:05-11:30	Epidermal wound sensation and repair in <i>C. elegans</i>	Suhong Xu (Zhejiang University, China)
	11:30-11:55	An Interneuron perceives nicotine facilitated proprioception.	Shangbang Gao (Huazhong University of Science and Technology, China)
	11:55-12:20	A nanobody activating metabotropic glutamate receptor 4	Laurent Prézeau (Institute Genomic Function, France)
	12:20-12:45	Distinct neuroendocrine signals bidirectionally regulate heat and cold chronic phenotypes	Jianke Gong (Huazhong University of Science and Technology, China)

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	12:25-12:50	HTRF/Alpha assay application in PROTAC	Weiwei Jin (PerkinElmer)
Close remark			

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