

# The WLA Research Conference on Cells and Genes

Host WLA Labs

July 27 - 28, 2023

Duration: 1.5 days

#### Venue

WLA Shanghai Center (Shanghai Science Hall) Shanghai, China

#### **Format**

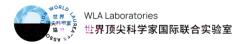
1.5-day, single-stream, on-site symposium

#### **Participants Limit**

200 (advanced online registration + on-site registration required)

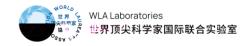
www.wrc.org.cn

Registration fee: \$200 + Banquet fee: \$50 (optional)



### **Background**

The WLA Laboratories (WLA Labs) is an independent, nonprofit research institute committed to basic research and fostering the next generation of scientific talents. Scheduled to be inaugurated this July, the WLA Labs has planned a series of academic events, including the **WLA Research Conferences (WRC)**. As an annual symposium of the WLA Labs, the **WRC** will create an open and interactive platform for scientists worldwide to freely discuss the most recent scientific discoveries and research findings. Each year, the



Ms. Ning Ma , MBA

WLA Labs

Ms. Yuhui Pei , M.A.

WLA Labs / WLA Shanghai Center

## **Scientific Panel**

Prof. Roger Kornberg, Chair

2006 Nobel Laureate in Chemistry;

Stanford University, U.S.A.

Prof. Steven McKnight

UT Southwestern Medical Center, U.S.A.

Prof. Chuan He ( )

2023 Wolf Prize Laureate in Chemistry;

HHMI / University of Chicago, U.S.A.

Prof. Yigong Shi ( )

Westlake University, China

Prof. James Rothman, Co-Chair

2013 Nobel Laureate in Physiology or Medicine;

Yale University, U.S.A.

Prof. Wolfgang Baumeister

Max Planck Institute of Biochemistry, Germany

**Prof. Dame Carol Robinson** 

Kavli Institute for Nanoscience Discovery,

University of Oxford, UK

#### **Agenda**

# Day 0

14:00	20:00 PM	Registration and Check-in
16:00	18:00 PM	WLA Labs Tour (optional)

18:30 20:00 PM Reception Buffet

# Day 1

08:00 - 09:00 AM Registration and Check-in (all day)

09:00 - 09:15 AM **Opening Remarks** 

09:15 - 10:00 AM Keynote Speech: James Rothman

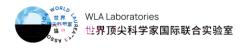
Sterling Professor of Cell Biology, Yale University

Topic: Turbocharging Neurotransmitter Release



Session 1:	Primitive Proteins	Chair: Steven McKnight
10:00 - 10:30 AM	Speaker #1 Steven McKnigh	ıt
	Distinguished Chair in Basic E	Biomedical Research, Department of Biochemistry,
	UT Southwestern Medical Ce	nter
	Topic: How do protein domain	s of low sequence complexity work?
10:30 - 11:00 AM	Speaker #2 Dirk Görlich	
	Scientific member and Director	r, Max Planck Institute for Multidisciplinary
	Science	
	Topic: The FG phase – a sma	rt material for controlling transport between the
	cell nucleus and the cytoplasi	n
11:00 - 11:30 AM	Speaker #3 Cong Liu	
	Principal investigator, Interdis	ciplinary Research Center on Biology and
	Chemistry (IRCBC), CAS	
	Topic: Protein Amyloid Aggre	gation in Neurodegenerative Disease
11:30 13:00 PM	Lunch Break	

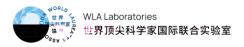
Session 2:	TBD	Chair Yigong Shi
13:00 - 13:30 PM		Speaker #1 Yigong Shi President, Westlake University Topic: RNA splicing at atomic resolution
13:30 - 14:00 PM		Speaker #2 Yanhui Xu Professor, Fudan University Shanghai Cancer Center, Institutes of Biomedical Sciences, Fudan University Topic: TBD
14:00 - 14:30 PM		Speaker #3 Alexey Amunts Associate Professor, Department of Biochemistry and Biophysics, Stockholm University Topic: TBD
14:30 - 15:30 PM		Poster Session / Coffee Break



Session 3: Recepto	r Signalling Across Cell Membranes Chair Dame Carol Robinson
15:30 - 16:00 PM	Speaker #1 Dame Carol Robinson
	Director, Kavli Institute for Nanoscience Discovery, University of Oxford Topic: From recombinant complexes in detergent micelles to receptor signaling across native membranes – The promises and pitfalls of native mass spectrometry
16:00 - 16:30 PM	Speaker #2 Georgios Skiniotis  Professor of Molecular & Cellular Physiology, Professor of Structural Biology and Photon Science, Stanford University  Topic: TBD
16:30 - 17:00 PM	Speaker #3 Aashish Manglik Associate Professor of Pharmaceutical Chemistry, School of Pharmacy, UCSF Topic: TBD
18:00 20:00 PM	Banquet

# Day 2

Session 4:	New Frontier in RNA Biology	Chair: Chuan He
09:00 - 09:30 AM	Speaker #1 Chuan He	
	John T. Wilson Distinguished Service Professor	or, The University of Chicago
	Topic: RNA methylation in gene expression re	gulation
09:30 - 10:00 AM	Speaker #2 Xiao Wang	
	Thomas D. and Virginia Cabot Assistant Profe	ssor of Chemistry, MIT
	Core member, The Broad Institute	
	Topic: Translating spatial cell atlas to tissue fu	nction
10:00 - 10:30 AM	Speaker #3 Ling-Ling Chen	
	New Cornerstone Science Laboratory, CAS Co	enter for Excellence in
	Molecular Cell Science, Chinese Academy of S	Sciences (CAS)
	Topic: Lnc-ing RNA processing and function	



Session 5:	Trends in Structural Biology	Chair: Wolfgang Baumeister
11:00 - 11:30 AM	Speaker #1 Wolfgang Baumeister Director, Max Planck Institute of Biocher Topic: Structural Biology in situ: The Pro Tomography	•
11:30 12:00 PM (Noon)	Speaker #2 Nenad Ban Professor of Structural Molecular Biolog Topic: Revealing the Remarkable Mach Human Cells	
12:00 12:30 PM	Speaker #3 Roger Kornberg  Mrs. George A. Winzer Professor of Me  Topic: Chromatin, Chromosomes, and T	·
12:30-12:45 PM	Closing Remarks: Roger Kornberg	