



Bayer-Peking University-Tsinghua University 2019 Joint Symposium

**September 9th & 10th, 2019
Beijing, China**





**Bayer-Peking University-Tsinghua University
2019 Joint Symposium
(Day 1)**

September 9th, 2019

**B101, Lui Che Woo Building
Peking University, Beijing, China**





AGENDA

Day 1 (September, 9th)

13:30—13:35	Opening & Introduction	Dr. Pei Sze NG Head of Innovation Center China, Open Innovation & Digital Technologies, Bayer	
13:35—13:45	Welcome Address	Prof. Hong WU Dean of School of Life Sciences, Peking University	
13:45—13:55	Bayer R&D Introduction	Dr. Michael BRANDS Head of Small Molecule Innovation, Bayer	
13:55—15:35	Topic: Peptides & Macrocycles		
13:55—14:10	Presentation on Bayer Research	Dr. Mareike WIEDMANN Medicinal Chemistry, Small Molecule Innovation, Bayer	Peptide chemistry at Bayer
14:10—14:55	Presentations from Panelists	Prof. Lei LIU Department of Chemistry, Tsinghua University	Peptides as therapeutically active molecules
		Prof. Luhua LAI College of Chemistry & Molecular Engineering, Peking University	Computational design and optimization of novel d-peptide TNF α inhibitors
		Prof. Jianfeng PEI Center for Quantitative Biology, Peking University	AI in peptide and protein generation
14:55—15:35	Panel Discussion		
15:35—15:50	Coffee Break		
15:50—17:30	Topic: PROTAC		
15:50—16:05	Presentation on Bayer Research	Dr. Philipp CROMM Medicinal Chemistry, Small Molecule Innovation, Bayer	PROTAC research at Bayer
16:05—16:50	Presentations from Panelists	Prof. Zigang LI School of Chemical Biology & Biotechnology, Peking University	Stabilized peptide PROTAC molecules
		Prof. Yongxiang CHEN Department of Chemistry, Tsinghua University	PROTAC peptides targeting “undruggable” proteins in neuro-degenerative diseases
		Prof. Yu RAO School of Pharmaceutical Sciences, Tsinghua University	PROTACs: opportunities and challenges
16:50—17:30	Panel Discussion		
17:30—17:35	Closing Remarks	Dr. Pei Sze NG Head of Innovation Center China, Open Innovation & Digital Technologies, Bayer	
17:40—18:10	Bayer-PKU Award Ceremony	Bayer Investigator & Bayer Postdoc Awardees	
18:10—18:20	Group Photo		
18:30—20:00	Joint Dinner		



**Bayer-Tsinghua University-Peking University
2019 Joint Symposium
(Day 2)**

September 10th, 2019

**B323, Medical Science Building
Tsinghua University, Beijing, China**





AGENDA

Day 2 (September, 10th)

8:30—8:35	Opening & Introduction	Dr. Pei Sze NG Head of Innovation Center China, Open Innovation & Digital Technologies, Bayer	
8:35—8:40	Welcome Address	Prof. Sheng DING Dean of School of Pharmaceutical Sciences, Tsinghua University	
8:40—9:05	Bayer R&D Introduction & Novel Therapeutic Modalities	Dr. Michael BRANDS Head of Small Molecule Innovation, Bayer	
9:05—11:20	Topic: RNA Therapies		
9:05—10:20	Presentations from Panelists	Prof. Zicai LIANG Institute of Molecular Medicine, Peking University	siRNA technologies and drug development
		Prof. Zhenjun YANG School of Pharmaceutical Sciences, Peking University	Technology platform for RNA transfection
		Prof. Xinjing TANG School of Pharmaceutical Sciences, Peking University	Photochemically regulated delivery system for RNA therapies
		Prof. Qiangfeng Cliff ZHANG School of Life Sciences, Tsinghua University	An integrative approach to targeting RNA structures with small molecules
		Prof. Yi XUE School of Life Sciences, Tsinghua University	NMR as a tool for screening of RNA-targeting small molecules
10:20—10:35	Coffee Break		
10:35—11:20	Panel Discussion		
11:20—11:50	Topic: Structural Biology		
11:20—11:35	Structural Biology at Bayer	Dr. Martina SCHAEFER Structural Biology, Lead Discovery, Bayer	
11:35—11:50	Structural Biology at Tsinghua	Prof. Xueming LI School of Life Sciences, Tsinghua University	
11:50—11:55	Closing Remarks	Dr. Pei Sze NG Head of Innovation Center China, Open Innovation & Digital Technologies, Bayer	
12:00—12:30	Bayer-THU Award Ceremony	Bayer Endowed Chair & Bayer Investigator Awardees	
12:30—12:40	Group Photo		
12:40—14:00	Joint Lunch		