

2018 (Beijing) Cell Biomechanics Symposium

Conference Agenda

Register Time

Time of start	Before A.M 8:30, April 18, 2018 (Wednesday)
Address	Classroom 81, Teaching building 2, Capital Medical University

April 18th

Opening Ceremony (9:00–9:30)		Hostess: Professor Zhang Haixia
8:30–8:40	Address by Director of Department of Science and Technology of Capital Medical University	
8:40–8:50	Address by the Director of Beijing Key Laboratory, Basic and Applied Research on Clinical Biomechanics	
8:50–9:00	Address by the General Manager of Bio-Excellence International Tech Co., Ltd	
Take pictures (Address: Teaching building 1, Capital Medical University) (9:30–10:00)		
Academic reports (10:00–12:00)		
10:00–12:00	Newest Progress in Biomechanics and Mechanobiology Research	Hostess: Zhang Yuwei
1	10:00–10:30	Research Hotspots and Development Trends of Biomechanics - Exploration on Future of Scientific Instruments from Perspective of Biomechanics Development, Dr. Chen Zongzheng, Technical Director of BIO EXCELLENCE INTERNATIONAL TECH CO., LTD:
2	10:30–10:40	Tea Break
3	10:40–11:40	Development History of FLEXCELL in the Field of Biomechanics ---FLEXCELL CEO&Prof. Albert Banes
4	11:40–12:00	Time to Communicating
12:00–13:30		Lunch
5	13:30–13:50	Application of the Flexcell in Ocular Mechanobiology -- Professor Li Xiaona, Applied Mechanics and biomedicine, Taiyuan University of Technology.
6	13:50–14:50	Application of TGT Instrument in Biomechanics. ---Bangalore Integrated System Solutions (P) Ltd Abhilash Ravishankar
7	14:50–15:10	The Role of Subchondral Bone in the Metabolism Changing of Oestrogen in the Early Stage of Estrogen Deficiency OA - Professor Leng Huijie, The Third Hospital of Peking University.
8	15:10–15:20	Tea Break
9	15:20–16:20	Introduction of IMPETUX optical tweezers applied to the cellular mechanical properties, the application - Dr. FERRAN MARSÀ SAMPER, Spain IMPETUX

10	16:20-16:40	Optical Tweezers and Applications in Mechanics – Professor Zhou Jinhua, Anhui Medical University.
11	16:40-17:30	Time to Communicating
17:30-19:00		Dinner

4月19日

9:00-12:00		Technological Research Progress in Biomechanics and Mechanobiology.	Hostess:Zhang Yuwei.
1	9:00-10:30	Introduction of Mechanical Product form Flexcell – ANDREA BANES PICON, Flexcell Product Manager	
2	10:30-10:40	Tea Break	
3	10:40-11:00	Study of Biomechanical Mechanism in Vascular Reconstituting by Tensile Strain – Professor Qi Yinxin, Shanghai Jiaotong University.	
4	11:00-11:20	Study on Asymmetric Migration and Molecular Mechanism of Epidermal Stem Cells in Mechanical Loading and Co-culture Conditions – Professor Lv Dongyuan, Institute of Mechanics, Chinese Academy of Sciences.	
5	11:20-11:40	Changing in Mechanical Properties of Femur During the Development of Japanese quail – Dr. Wei Xinsen, Institute of Life Sciences, Capital Normal University	
6	11:40-12:00	Time to Communicating	
12:00-13:30		Lunch	
6	13:30-15:00	Explaining and Show of Quantitative Analyzing Cell Tissue Mechanical Properties by IMPETUX Optical Tweezer – Dr. ORIOL NOS AGUILÀ, OPTICS S.L. Spain	
7	15:00-15:10	Tea Break	
8	15:10-15:30	The Targeted Intervention of Aortic Revascularization – Professor Zhou Jian, Affiliated Changhai Hospital of the Second Military Medical University.	
9	15:30-15:50	Spironolactone promotes autophagy via inhibiting PI3K/AKT/mTOR signalling pathway and reduce adhesive capacity damage in podocytes under mechanical stress – Professor Xu Zhongwei, Tianjin Armed Police Logistics Institute.	
10	15:50-16:10	Research Progress in Biomechanics and Pathophysiology of Airway Smooth Muscle Cells – Professor Deng Linghong, Institute of Biomedical Engineering and Health Sciences, Changzhou University.	
11	16:10-17:30	Introduction and Application of Biological 3D Printing and Biomechanical Products form RegenHU(Switzerland) – Chen Baohua, Product Manager of BIO EXCELLENCE INTERNATIONAL TECH CO., LTD	
17:30-19:30		Dinner	

4月20日

9:00-12:00		Technological Research Progress in Biomechanics and Mechanobiology.	Hostess: Zhang Yuwei.
1	9:00-9:20	The Status and Function of Mechanics in Biological Processes -- Professor Liu Zhicheng, Institute of Bioengineering, Capital Medical University.	

2	9:20-10:50	Application of TGT Instrument in Biomechanics. ---Bangalore Integrated System Solutions (P) Ltd Abhilash Ravishankar
3	10:50-11:00	Tea Break
3	11:00-11:20	Study on the Mechanism of Gastroparesis and Constipation in Parkinson's Disease - Professor Zheng Lifei, Capital Medical University
4	11:20-11:40	Study of Mechanism of Mechanosensitivity Ion Channels -- Professor Huang Haixia, Capital Medical University
5	11:40-12:00	Time to Communicating
12:00-13:30		Lunch
6	13:30-17:30	Demonstration, Experience and Technical Communication of Biological Printing Instrument form Flexcell、IMPETUX、BISS(TissueGrowth)、regenHU
17:30-19:30		Dinner

For and on behalf of
BIO EXCELLENCE INTERNATIONAL TECH CO.,LIMITED
世聯博研(香港)科技有限公司

Sponsor: Key Laboratory of bioengineering, Capital Medical University

Authorized Signature(s)

Organizer: BIO EXCELLENCE INTERNATIONAL Tech Co.,Ltd

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