

# The 11<sup>th</sup> Asian and Pan-Pacific Connective Tissue Society Symposium (APPCTSS) & The 3<sup>rd</sup> National Conference of CSMB

**Time: Nov 16-20, 2018**

**Venue: Hangzhou International Expo Center, Hangzhou, China**

**Theme: Connective Tissue: Environment of cell life activities-basic and clinical applications**

## **Topic:**

**Session 1** Novel conceptual and technological advances in matrix biology

**Session 2** Matrix in development and disease

**Session 3** Signaling from the matrix

**Session 4** Matrix dynamics and turnover

**Session 5** ECM in fibrosis and cancer

**Session 6** ECM in inflammation and immunity

**Session 7** ECM in stem cell and regeneration

**Session 8** ECM and mechanosensing

**Registration website:** <http://pptcss2018.org>

## **Organized by:**

- Chinese Society of Matrix Biology (CSMB)
- Peking University
- Zhejiang University





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**Friday 16<sup>th</sup> Nov 2018**

**15:00-20:00 Registration (North Star Hangzhou International Expo Center Hotel)**

**Saturday 17<sup>th</sup> Nov 2018**

**Opening Session/Keynote Lecture**

**8:30-8:50 Opening Remarks and Welcome**

**8:50-9:40 Keynote Lecture**

Reinhard Fässler (Max Planck Institute of Biochemistry) Genetic and biochemical analysis of focal adhesion proteins

**Session 1: Novel conceptual and technological advances in matrix biology**

9:40-10:05	Samuel I. Stupp	Northwestern University	Supramolecular Engineering of Bioactive Extracellular Matrices
10:05-10:30	Gary Xiao	Dalian University of Technology	Microfluidic array technology and its application in medical research
10:30-10:50	Group photo and coffee break		
10:50-11:15	Alain Colige	University of Liege	The functions of ADAMTS2, 3 and 14 extend well beyond their aminoprocollagen peptidases activity
11:15-11:40	Xiaowei Li	Shanghai Jiaotong University	Whole-mount tissue clearing and imaging with single-cell resolution
11:40-12:10	Selected talk from abstract (15 min each)		
12:10-1:30	Lunch		

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**Session 2: Matrix in development and disease**

13:30-13:55	Xinhua Lin	Fudan University	Regulatory mechanisms of proteoglycans in endoderm patterning during development
13:55-14:20	James Whiteford	Queen Mary University Of London	A novel role for Syndecan-4 in neovascular diseases
14:20-14:45	Xuenong Zou	The First Affiliated Hospital, Sun Yat-sen University	ECM and Intervertebral disc degeneration
14:45-15:10	Wei Kong	Peking University Health Science Center	ECM regulation of vascular smooth muscle cell identity
15:10-15:30	Coffee break		
15:30-15:55	Francesco Ramirez	Icahn School of Medicine at Mount Sinai	Diversified contributions of angiotensin II receptors to arterial disease development in mice with Marfan syndrome
15:55-16:20	John Whitelock	UNSW Sydney	The differential biological activities of the basement membrane heparan sulfate proteoglycan, perlecan in vascular, inflammatory and induced pluripotent stem cells
16:20-16:45	Leena Bruckner-Tuderman	Medical Center - University of Freiburg	Translational skin matrix research: disease mechanisms and therapies
16:45-17:10	Qingjun Meng	University of Manchester	ECM-dependent circadian clocks in mammary epithelia: potential links to breast cancer
17:10-17:35	Roger Karlsson	Stockholm University	TBD
17:35-18:05	Selected talk from abstract		

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Sunday 18th Nov 2018

## Programs

### Session 3: Signaling From the Matrix

8:30-8:55	Jianfeng Chen	Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences	Integrin $\alpha 4\beta 7$ switches its ligand specificity via distinct conformer-specific activation
8:55-9:20	Jyrki Heino	University of Turku	Functional role of post-translational modifications in ECM proteins
9:20-9:45	Chuanyue Wu	Southern University of Science and Technology	Integrin signaling and human diseases
9:45-10:10	Junlin Guan	University of Cincinnati College of Medicine	Interplay among growth factor and pro-inflammatory cytokine in arthritis
10:10-10:30	Coffee break		
10:30-10:55	Jun Qin	Baylor College of Medicine	Molecular insight into the regulation of integrin activation and focal adhesion assembly
10:55-11:20	Anthony J Day	The University of Manchester	TSG-6: glycosaminoglycan reorganisation and crosslinking mechanisms in ovulation and inflammation
11:20-12:05	Selected talk from abstract		
12:05-13:30	Lunch		





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## Programs

### Session 4: Matrix dynamics and turnover

13:30-13:55	Suneel S. Apte	Cleveland Clinic Lerner Research Institute Anthony	Unexpected roles for metalloproteases in cell regulation
13:55-14:20	Hideito Watanabe	Japanese Chairman of Matrix Biology Society, Aichi Medical University	Role of versican and its processing
14:20-14:45	Jianglin Fan	University of Yamanashi	Functional roles of MMPs in the pathogenesis of atherosclerosis
14:45-15:00	Coffee Break		
15:00-18:30	Young Investigator Award Competition		

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Monday 19th Nov 2018

## Programs

### Session 5: ECM in fibrosis and cancer

8:30-8:55	Renato V. Iozzo	Sidney Kimmel Medical College at Thomas Jefferson University	Dual regulation of angiogenesis and autophagy by proteoglycans and its parts
8:55-9:20	Hongquan Zhang	Peking University Health Science Center	Kindlin-2 controls fibrosis via multiple signaling pathways
9:20-9:45	Lin Wang	The Fourth Military Medical University	Sinusoidal endothelial niche and liver fibrosis
9:45-10:10	Wen Ning	Nankai University	Role of matricellular protein Fstl1 in lung development and fibrosis
10:10-10:30	Coffee break		
10:30-10:55	Zhuowei Hu	Peking Union Medical College, Chinese Academy of Medical Sciences	TBD
10:55-11:20	Bo Huang	Peking Union Medical College, Chinese Academy of Medical Sciences	Killing the soft matrix for cancer treatment
11:20-11:55	Lynn Sakai	Shriners Hospital for Children	TBD
11:55-12:10	Selected talk from abstract		
12:10-13:30	Lunch		

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## Programs

### Session 6: ECM in Inflammation and Immunity

13:30-13:55	Lydia Sorokin	University of Muenster	The Differential Role of the Endothelial Basement Membrane and the Gelatinases in Leukocyte Extravasation into the Brain
13:55-14:20	Liliana Schaefer	Goethe University	Advances in SLRP biology
14:20-14:45	Eok Soo Oh	Ewha Womans University	Unique expression of syndecan-2 in proximal colon during acute inflammation
14:45-15:10	Chuanju Liu	New York University Medical Center	Interplay among ADAMTs and inflammatory cytokines in arthritis
15:10-15:30	Coffee Break		
15:30-15:55	Hongkui Deng	Peking University Health Science Center	Small molecules induced cell reprogramming
15:55-16:20	Danny Chan	The University of Hong Kong	Lgr5 and Col22a1 mark differentiation of joint progenitor cells to juvenile articular chondrocytes
16:20-16:45	Shireen Lamande	The University of Melbourne	Using iPSCs to model human cartilage diseases
16:45-17:00	Rupert Hallmann	University of Muenster	Local endothelial cell differentiation and maturation: a role for PV-1
17:00-18:00	Selected talk from abstract		

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Tuesday 20th Nov 2018

## Programs

### Session 8: ECM and Mechanosensing

8:30-8:55	Jing Zhou	Peking University Health Science Center	Transduction of mechanical cues by discoidin domain receptor 1 and DNA methyltransferase 1
8:55-9:20	Donald Gullberg	University of Bergen	<i>TBD</i>
9:20-9:45	Congying Wu	Peking University Health Science Center	Gradient of matrix stiffness regulates cell migration and mitosis
9:45-10:10	Aifu Lin	Zhejiang University	<i>TBD</i>
10:10-10:30	Coffee break		
10:30-10:55	Bi-sen Ding	Weill Cornell Medicine	Vascular MMP14 regulates organ regeneration and fibrosis
10:55-11:20	Staffan Strömblad	Clinical Molecular Biology, Karolinska Institutet	Novel cell-matrix adhesion structures
11:20-11:40	Prizes, closing ceremony		
12:10-13:30	Departure		



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