**Schedule of Lectures**

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| **Thursday, June 28** |
| **On-site Registration****Wyndham Grand Xian South Hotel（西安豪享来温德姆至尊酒店）** |
| **Friday, June 29** |
| **8:30-8:35** | **Welcome Address (Tian Jian Lu)** |
| **Session 1, Function Room 2, Chair: Xiqiao Feng** |
| **8:35-9:00** | **Ning Wang***Generation of elastic round microgels to quantify 3D tractions* in vitro *and* in vivo |
| **9:00-9:25** | **Mian Long***Multiscale mechanobiology and engineered construction in liver* |
| **9:25-9:50** | **Adam J. Engler***Improving cardiovascular “Diseases-in-a-dish” with mechanics* |
| **9:50-10:10** | **Group Photograph & Coffee Break** |
| **Session 2, Function Room 2, Chair: Ning Wang** |
| **10:10-10:35** | **Tian Jian Lu***Metal foam based vitrification and ultrarapid inductive rewarming* |
| **10:35-11:00** | **Xiqiao Feng***Mechanobiology of solid tumors* |
| **11:00-11:25** |  **Chwee Teck (C.T.) Lim***Modes of collective cell migration under geometrical and physical constraints* |
| **11:25-11:50** | **Linhong Deng***Migration and morphogenesis of airway smooth muscle cells on 3D tubular surface as physical cue for airway wall structural differentiation* |
| **11:50-14:00** | **Lunch****Wyndham Grand Xian South Hotel（西安豪享来温德姆至尊酒店）** |
| **Session 3, Function Room 2, Chair: Stavros Thomopoulos** |
| **14:00-14:25** | **Baohua Ji***Quantification of the collectivity of cell polarization and arrangement on patterned substrate* |
| **14:25-14:50** | **Patrick McGarry***Free-energy analysis of cell spreading on elastic substrates* |
| **14:50-15:15** | **Yanan Du***Mechanotransduction-modulated fibrotic microniches reveal the contribution of angiogenesis in liver fibrosis adhesion* |
| **15:15-15:40** | **Fei Li***Application of scanning probe microscopy in characterizations of cell microenvironment* |
| **15:40-15:55** | **Coffee Break** |
| **Session 4, Function Room 2, Chair: Chwee Teck (C.T.) Lim** |
| **15:55-16:20** | **Jizeng Wang***A diffusive-stochastic-viscoelastic model for cell-matrix adhesion* |
| **16:20-16:45** | **Stavros Thomopoulos***Tendon enthesis development and regeneration* |
| **16:45-17:10** | **X. Edward Guo***Building bone matrix via modeling and remodeling under mechanical loading* |
| **17:10-17:35** | **Vicky Nguyen***Micromechanical modeling study of the role of collagen mechanochemistry on the* *growth and remodeling of collagen tissues* |
| **17:35-18:00** | **Guy Genin***The plant peri-cellular microenvironment* |
| **18:00-20:00** | **Banquet****Wyndham Grand Xian South Hotel（西安豪享来温德姆至尊酒店）** |

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| **Saturday, June 30 2018** |
| **Session 5, Function Room 2, Chair: Guy Genin** |
| **8:00-8:25** | **Yingxin Qi***The role of microRNAs in dysfunction of endothelial cells induced by mechanical stresses* |
| **8:25-8:50** | **Yonggang Lv***Effect of 3D matrix mechanics on bone repair* |
| **8:50-9:15** | **Hongyuan Jiang***Mechanical response of an open system: Shape and dynamics of adhesive cells* |
| **9:15-9:40** | **Min Lin***Nanoscale integrin cluster dynamics controls cellular mechanosensing via FAKY397 phosphorylation* |
| **9:40-9:55** | **Coffee Break** |
| **Session 6, Function Room 2, Chair: X. Edward Guo** |
| **9:55-10:20** | **Jin Qian***Mechanical responses of crosslinked biopolymer networks with active motors* |
| **10:20-10:45** | **Yuntao Xia***Matrix, myosin, and lamin-A coordinately affect DNA repair via curvature-induced nuclear rupture* |
| **10:45-11:10** | **Xinghua Shi***The mechanics of target drug delivery* |
| **11:10-11:35** | **Feng Xu***Engineering the 3D cell mehcanical microenvironment* |
| **11:35-11:50** | **Closing Ceremony** |
| **11:50-14:00** | **Lunch****Wyndham Grand Xian South Hotel（西安豪享来温德姆至尊酒店）** |