



With the Patronage of

*Ministero degli Affari Esteri
e della Cooperazione Internazionale*

SUMMER SCHOOL ON BIOMATERIALS AND REGENERATIVE MEDICINE

10-13 September 2019

Department of Biotechnology and Nutrition, School of Industrial Technology, Mongolian
University of Science and Technology, **ULAANBAATAR, MONGOLIA**

PROGRAM

Tuesday, September 10th	
8.30-9.30	Registration of participants
9.30 – 10.00	Opening speech
10.00-11.00	Claudio Migliaresi , University of Trento, Italy <i>From prostheses to tissue engineering</i>
11.00-11.30	Coffee break
11.30-12.30	Antonella Motta , University of Trento, Italy <i>Design of bioinspired scaffolds for tissue engineering</i>
12.45-14.00	Lunch time
14.00-15.00	Daniel Cohn , Hebrew University of Jerusalem, Israel <i>Polymeric biomaterials as building blocks for biomedical systems</i>
15.00 – 16.00	Rui L. Reis , University of Minho, Portugal <i>Natural origin materials for biomedical applications</i>
16.00-16.30	Coffee break
16.30-17.30	Alejandro Sosnik , Technion, Haifa, Israel <i>Drug delivery fundamentals and applications in tissue engineering</i>
17.30-18.00	Discussion
19.00	Welcome dinner
Wednesday, September 11th	
9.00-10.00	Anthony Weiss , University of Sydney, Australia <i>Elastic materials and advanced wound repair</i>
10.00-11.00	Thomas Groth , Martin Luther University Halle-Wittenberg, Germany <i>Use of polysaccharides to make biomimetic surface coatings and hydrogels to guide cell differentiation for tissue engineering applications</i>

11.00-11.30	Coffee break
11.30-12.30	Nuno Neves , University of Minho, Portugal <i>Biomaterials, porous Scaffolds and cells for advanced therapies</i>
12.45-14.00	Lunch time
14.00-15.00	Gilson Khang , Chonbuk University, South Korea <i>Regeneration of retinal pigment epithelial with biomaterials and functional cells</i>
15.00-16.00	Sorada Kanokpanont , Chulalongkorn University, Bangkok, Thailand <i>Assessment of cell growth kinetics in vitro and some case studies in dynamic cell culture using bioreactors</i>
16.00-16.30	Coffee break
16.30-17.30	Utkan Demirci , Stanford University, USA <i>Innovative tools to isolate extracellular vesicles for broad applications in liquid biopsy and cardiovascular research</i>
17.30-18.30	Ralph Müller , ETH Zurich, Switzerland <i>Time-lapsed imaging of in vivo bone regeneration</i>
Thursday, September 12th	
9.00-10.00	Gozde Durmus , Stanford University, USA <i>Levitating cells for applications in biology and medicine</i>
10.00-11.00	Dorjgotov Dulguun , Mongolian University of Science and Technology, School of Industrial Technology, Mongolia <i>Small nanobodies with big opportunities</i>
11.00-11.30	Coffee break
11.30-12.30	Danaa Ganbat , Mongolian University of Science and Technology, School of Mechanical Engineering and Transportation, Mongolia <i>Development of biomechanical research in Mongolia: It's current state and future prospects</i>
12.45-14.00	Lunch time
14.00-15.00	Toshiro Ohashi , Hokkaido University, Japan <i>Investigation of endothelial mechanotransduction mechanism by measurement of mechanical properties of intracellular structures</i>
15.00-16.00	Davaakhuu Gantulga , Institute of General and Experimental Biology, Mongolian Academy of Science, Mongolia <i>Genetic alterations in hepatocellular carcinoma</i>
16.00-16.30	Discussion and Closing Remarks
Friday, September 13th	
One day tour in national park Terelj	