



National Research
Tomsk
State
University

« Smart materials and technologies »» WORKSHOP



PROGRAMME

3-5 OCTOBER 2017



October 4th:

Research Library of Tomsk State University, Small Conference Hall
Lenin ave. 34a

Registration	9:00 – 9:30
Mineralized hydrogels for bone regeneration <u>Timothy Douglas</u> Lancaster University, Lancaster, United Kingdom	9:30 – 10:00
Strain and symmetry induced conversion of stable adsorption states of small benzene derivatives on Pt (111) <u>S.N. Filimonov</u> National Research Tomsk State University, Tomsk, Russia	10:00 – 10:30
Extracellular Matrix-based coatings for biomaterials <u>Timothy Douglas</u> Lancaster University, Lancaster, United Kingdom	10:30 – 11:00
Magnetic properties of Ni-Ti nanoparticles and their applications A. K. Drozdova ¹ , <u>V. N. Cherepanov</u> ¹ , V. A. Svetlichnyi ¹ , L. I. Kveglis ² , M. N. Volochaev ³ , D. A. Velikanov ³ 1 National Research Tomsk State University, Tomsk, Russia 2 Siberian Federal University, Krasnoyarsk, Russia 3 Institute of Physics n. a. L. V. Kirensky FRC KSC Siberian Branch of the Russian Academy of Sciences, Krasnoyarsk	11:00 – 11:30
Coffee Break	11:30 – 12:00
Development of wound dressing systems for chronic wounds <u>Lothar Heinrich</u> University of Münster, Munster, Germany	12:00 – 12:30
Additive manufactured Ti64 scaffolds and biodegradable polymer scaffolds for tissue engineering <u>R.A. Surnenev</u> National Research Tomsk Polytechnic University, Tomsk, Russia	12:30– 13:00
The Big Bang Theory: Towards Prediction and Control of Energetic Materials Sensitivity <u>Adam Michalchuk</u> ¹ EaStChem School of Chemistry and Centre for Science at Extreme Conditions, University of Edinburgh, Edinburgh, UK; ² EPSRC Centre for Continuous Manufacturing and Crystallisation (CMAC), UK.	13:00 – 13:30
Modification of the polymers by electron and ions beams and plasma at atmospheric pressure <u>I.A. Kurzina</u> ¹ , <u>E.M. Oks</u> ^{2,3} 1 National Research Tomsk State University, Tomsk, Russia 2 Tomsk State University of Control Systems and Radioelectronics, Tomsk, Russia 3 Institute of High Current Electronics SB RAS	13:30 – 14:00
Bioluminescent Assays as Tools for Studying Antioxidant Activity and Toxicity of Bioactive Compounds <u>A.S. Sachkova</u> National Research Tomsk Polytechnic University, Tomsk, Russia	14:00 – 14:30
Lunch	14:30– 15:30
Poster Session	15:30 – 18:00
Dinner	19:00

October 5th:

Business incubator of TSU, room 3
Herzen str., 2

Round table	10:00 – 12:00
Excursion to the Siberian Physico-Technical Institute	12:00 – 14:00
Lunch	14:00– 15:00
Excursion to the TSU Rare Books Museum	15:00 – 16:00
Excursion to the Institute of High Current Electronics SB RAS	16:00 – 18:00
Dinner	19:00