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**Программа научного семинара**

**Фундаментальные исследования и разработки в области биомедицины**

**Scientific Seminar**

**Research and development in biomedicine**

**20-th of March 2015**

**Room 332, Second building of TSU**

**Ауд. 332, второй учебный корпус Томского государственного университета**

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| **Время****Time** | **Докладчик****Speaker** | **Название доклада****Title of report** |
| 09.30-13.00 | **Herman Kingma**  | Physics and physiology of vestibular system |
| **Hans H.C.M. Savelberg** | 1.Problem Based Learning, the revision of the bachelor programme of BioMedical Sciences2.Presentation of NUTRIM (School of Nutrition and Translational Research in Metabolism) |
| **Wilfred Germeraad**  | 1.The content of the BMS master program2.The research within GROW (Research School for Oncology and Development biology)3.Development of immunotherapy for cancer (example of oncology/immunology research at the UM |
| **Konstantin S. Brazovsky** | Presentation of the "Computing in Biomedicine for teaching and research" course.  |
| **Boris Kingma** | How physiology shapes the comfortable thermal environment |
| **Joost Lumens**  | Overview of the research done in the CARIM (UM School for Cardiovascular Diseases) with special focus on the translational biophysical research |
| **Irina А. Kurzina**  | The experiences in international cooperation for biomedical innovations development |
| **Marina Khodanovich** | Biomedical studies in laboratory of neurobiology: MRI biomarkers of myelinand the study of neurogenesis on the animal models of demyelination and brain ischemia |
| **Kenneth Meijer** | Neuromechanics of Human Movement |
| **21-th of March 2015** **Scientific Library of TSU** **A clock access Hall****Научная библиотека Томского государственного университета****Зал круглосуточного доступа** |
| **Время****Time** | **Докладчик****Speaker** | **Название доклада****Title of report** |
| 9.30 – 13.00 | **Vladimir V. Udut** | Concept of fibrinogenez permanence |
| **Ralf Peeters**  | Three signal processing techniques used at DKE: wavelet analysis, singular spectral decomposition, recurrence plot analysis - and their applications in biomedical domain' Presentation of New Maastricht Centre for Systems Biology at the University of Maastricht  |
| **Raymond van de Berg** | Тhe Vestibular implant project |
| **Irina Bichkova** | Vestibular disorders in neurologist practice |
| **Ivan Tolmachev**  | Presentation of the laboratory work "Assessment of vestibular function |
| **Maksim Pleshkov**  | Thresholds of motion detection |
| **Tatiana Banokina** | Transfer function of the Vestibular implant |
| **Svetlana Myrzina**  | Dynamic visual acuity as a function of the vestibule ocular reflex. |
| **Kira Akimova, Mariya Shcheglova (dual report)**  | Cognitive decline associated with coronary heart disease (aspect of angina pectoris and myocardial infarction) |