

Workshop

BASIC ASPECTS OF BIOSTATISTICS, CLINICAL AND LABORATORY DATA MANAGEMENT

Rīga Stradiņš University, Senate Hall
16 Dzirciema Street, Block K, 2nd floor, Room K-212
and remotely via *Zoom* platform

23rd and 24th February 2023

Workshop leader Professor Angelika Krūmiņa

AGENDA

Day/Date	Time GMT+2	Activity
Thursday, 23 February	9.30 – 9.45	<i>Welcome & Opening</i> Agrita Kiopa , RSU Vice-Rector for Science Modra Murovska , Assoc. Professor, Project Coordinator, Institute of Microbiology and Virology, RSU
	9.45 – 10.30	Howard Amital , Professor, Zabludowich Center for Autoimmune Diseases at Sheba Medical Center, Israel What can we get from Big Data analysis?
	10.30 – 11.00	Aiga Balode , Ministry of Health of the Republic of Latvia Future Challenges and Perspective of Digital Health
	11.00 – 11.15	<i>Coffee Break</i>
	11.15 – 12.00	Māris Dreimanis , National Health Service, Latvia Big Data in e-Health. Current state and untapped potential in Latvia
	12.00 – 12.45	Uģis Kārlis Sprūdžs , Department of Epidemiology, RSU What's So Big About Big Data – Some Preliminary Experi- ences With Public Health Data
	12.45 – 13.30	<i>Lunch</i>
	13.30 – 14.05	Abdula Watad , MD, Professor, Sheba Medical Center, Israel What did we learn about autoimmunity from big data analysis?

14.05 – 14.15	Katrīne Vecvagare , Residency student, RSU ME/CFS patients clinical data management – from Practice to Science
14.15 – 14.45	Dzintars Mozgis , RSU Professor, Center for Disease Prevention and Control, Latvia, Deputy Director Functions, responsibilities and available data of the Center for Disease Prevention and Control
14.45 – 15.00	<i>Coffee Break</i>
15.00 – 15.30	Elīna Dimiņa , Ph.D., Children's Clinical University Hospital, Riga, Latvia, Head of Education and Research Challenges and opportunities for high quality research using patient data. Hospital perspective
15.30 – 16.15	Renārs Erts , Department of Statistics, University of Latvia Big data analysis – biostatistic: from the statistical hypotheses point of view (examples in the R program)
16.15 – 16.30	<i>Q & A</i>

Day/Date	Time GMT+2	Activity
Friday, 24 February	9.30 – 10.15	Yehuda Shoenfeld , Professor, Zabludowich Center for Autoimmune Diseases at Sheba Medical Center, Israel What can we learn from Silicone Breast Implants study – projection to other clinical conditions?
	10.15 – 11.00	Ingmārs Kreišmanis , Research Department, RSU Research data lifecycle in RSU
	11.00 – 11.15	<i>Coffee Break</i>
	11.15 – 11.45	Ilmārs Slaidiņš , Professor, Riga Technical University European Open Science Cloud and supercomputers for High Performance Data Analysis
	11.45 – 12.15	Arad Dotan , Zabludowich Center for Autoimmune Diseases at Sheba Medical Center, Israel Big data analytics in healthcare: challenges and solutions
	12.15 – 12.45	Itai Katz , Zabludowich Center for Autoimmune Diseases at Sheba Medical Center, Israel Introduction to imputation and missing data handling

12.45 – 13.15	Niv Ben-Shabat , Zabludowich Center for Autoimmune Diseases at Sheba Medical Center, Israel Working with clinical data, from theory to practice
13.15 – 14.00	<i>Lunch</i>
14.00 – 14.15	Sabīne Grāvelsiņa , Ph.D. candidate, Institute of Microbiology and Virology, RSU Biomarkers in the diagnostic algorithm of myalgic encephalomyelitis/chronic fatigue syndrome
14.15 – 14.30	Anda Vilmane , Ph.D. candidate, Institute of Microbiology and Virology, RSU Presence and reactivation of autoimmunity associated human herpesviruses in COVID- 19 patients
14.30 – 14.45	Maksims Čistjakovs , Ph.D. candidate, Institute of Microbiology and Virology, RSU Molecular and Immunological investigation data on human herpesvirus-6 (HHV-6) involvement in autoimmune thyroiditis development
14.45 – 15.00	Anda Kadiša , MD, Ph.D., Department of Internal Diseases, Lead Researcher, Institute of Microbiology and Virology, RSU The importance of persistent viral infections in the etiopathogenesis and clinical course of rheumatoid arthritis
15.00 – 15.15	<i>Coffee Break</i>
15.15 – 15.30	Rihards Pēteris Ročāns , MD, Ph.D. student, RSU Prediction Models in Medicine: Fashion or Necessity
15.30 – 16.00	Šimons Svirskis , MD, Ph.D., Lead Researcher, Institute of Microbiology and Virology, RSU Management and analysis of clinical and laboratory data using modern analytical approaches and tools
16.00 – 16.30	<i>Discussion & Summary</i>