MULTI-OMICS DATA INTEGRATION; AI AND INTEGRATIVE COMPUTATIONAL BIOLOGY

Format: hybrid
Date: Monday, 3rd November 2025
Time: 10.00 CET (online attendees please connect until 9.55, the ZOOM room will be opened at 9.50)

Lecturer:
Prof. Igor Jurišica, PhD, DrSc
Place:
Institute of Neuroimmunology, Slovak Academy of Sciences, Dubravska cesta 9, Bratislava

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The lecture is organized as a training activity supported by the APBC project (the project No. 09I02-03-V01-00021).

Prof. Igor Jurišica, PhD, DrSc *is a Senior Scientist at the Schroeder Arthritis Institute and the Data Science Discovery Centre for Chronic Diseases, Krembil Research Institute. He is also a Professor at the University of Toronto, Visiting Scientist at IBM CAS, and Head of the Computational Neurobiology Group at the Institute of Neuroimmunology, Slovak Academy of Sciences.*
Since 2015, he has served as Chief Scientist at the Creative Destruction Lab, Rotman School of Management, and since 2021, he has been the Scientific Director of the World Community Grid – a global virtual supercomputing platform enabling advanced open science and open data research for the benefit of humanity.
Prof. Jurišica's research focuses on integrative informatics and the representation, analysis, and visualization of high-dimensional data to identify prognostic and predictive signatures, determine clinically relevant combination therapies, and develop accurate models of drug mechanisms of action and disease-altered signalling cascades. He has published extensively on data mining, visualization, and integrative computational biology, with multiple papers in Science, Nature, Nature Medicine, Nature Methods, Journal of Clinical Oncology, and Journal of Clinical Investigation. Prof. Jurišica has been recognized on Thomson Reuters' lists of Highly Cited Researchers (2014–2016) and in The World's Most Influential Scientific Minds reports (2014, 2015). In 2019, he was included among the Top 100 AI Leaders in Drug Discovery and Advanced Healthcare list (Deep Knowledge Analytics), and in 2023, among the Top 100 AI in Oncology leaders.

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