Biomedical Informatics Grand Rounds
Wednesday, March 22, 2023 3:00 pm – 4:00 pm

Opportunities and Challenges with Research Based on Real-World Clinical Data

Kamil Khanipov, Ph.D.
Assistant Professor
Department of Pharmacology and Toxicology
Co-Director of The Microbiome Sequencing and Analysis Core
The Institute for Translational Sciences
The University of Texas Medical Branch
301 University Blvd., Galveston, TX 77555-0128

Remote Access
Join Zoom Meeting
https://stonybrook.zoom.us/j/95617197636?pwd=KytzZ2pVRG9SZGpKZUtpNXJISjNjZz09
Meeting ID: 956 1719 7636 Passcode: 924293
In-Person talk: Medical and Research Translation (MART) Building, Room location 7M-0602

Bio: Dr. Khanipov is an assistant professor in the Department of Pharmacology and Toxicology at the University of Texas Medical Branch and co-director of the Microbiome Sequencing and Bioinformatics Core Facility. He has completed a bachelor's degree in Biology and a Ph.D. in Computer Science at the University of Houston. Dr. Khanipov's research focuses on developing tools and methods for analyzing multi-omics and health record data, aiming to integrate these for precision medicine applications.

Abstract: Using real-world clinical data (RWD) for research purposes has become increasingly popular in recent years. RWD provides a unique opportunity to generate evidence on the effectiveness of interventions in real-world settings, but it also comes with inherent biases and limitations. This talk will discuss our current developments and projects utilizing patient medical records for drug repurposing and clinical decision support. The audience will gain a deeper understanding of the opportunities and challenges associated with conducting research based on real-world clinical data and learn strategies for addressing potential limitations and biases.

Educational Objects:
- Biases and limitations of real-world clinical data
- Data quality control
- Importance of patient selection and criteria specificity

Disclosure Statement: The faculty and planners have no relevant financial relationship with ineligible companies whose primary business is producing, marketing, selling, re-selling, or distributing health care products used by or on patients.

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