Semmelweis University Biomedical Data Science Conference and Summer School

Dear Colleagues,

We are pleased to invite you to the **BIOMEDICAL DATA SCIENCE Summer School and Conference**, organized by the **Institute of Biostatistics and Network Science, Semmelweis University**. This event consists of two interconnected and exciting opportunities: first, an **intensive training program in health data science** (July 28 – August 5), followed by a **prestigious scientific conference** (August 6 – 8), where researchers will share the latest advancements in data-intensive biological and medical research.

Summer School: July 28 – August 5, 2025

- **Description:** Intensive training in health data analytics with world-renowned speakers.

- **Modules:**

- Medical data visualization

- Biomedical network science

- Machine learning for tabular medical data

- Deep learning for unstructured medical data

- **Speakers:** Ferenc Krausz, Kosmas Kepesidis, Katy Börner, András Gézsi, Gergely Palla

Application Deadlines:

- **Early bird:** May 20, 2025

- **Final deadline:** June 30, 2025

Conference: August 6–8, 2025

- **Description:** A scientific conference focusing on data-intensive biological and medical research.

- **Keynote Speakers:** Katy Börner, Albert-László Barabási, Pál Maurovich-Horvat, Péter Horváth

Relevant Topics:

- Machine learning and AI applications in biomedical research

- Multi-omics data integration and analysis

- Medical imaging and computer vision in healthcare

- Natural language processing for clinical and biomedical texts

- Explainable AI and trustworthy machine learning in medicine

- Computational modeling of biological systems

- Wearable and sensor-based health data analytics

- Privacy-preserving techniques for biomedical data

- Digital health and personalized medicine

- Drug discovery and biomarker identification through data science

- Network science tools in biomedical research

- Causal inference in biomedical research

- Biostatistical approaches for biomedical data analysis

Abstract Submission Deadline: April 30, 2025
Notification of Acceptance: May 7, 2025

Registration Deadlines:

- **Early bird:** May 20, 2025

- **Final deadline:** June 30, 2025

Organizer:

Semmelweis University, Institute of Biostatistics and Network Science

Contact: biostat@semmelweis.hu
More information: biomed-data.semmelweis.hu

We look forward to welcoming you!

For more info

Best regards,