●●● Certificate "Translational Science / AI in (Bio)medicine)" ●●●

Are you ready to revolutionize your understanding of vascular physiology and disease?

Our innovative course will equip you with the latest methods in **translational medicine**. You'll gain hands-on experience in **research methodology**, **study design**, and **systems medicine**, while also mastering **applied bioinformatics**, **data science**, **AI in biomedicine**, and **data management**.

This is your chance to learn from leading experts and stay ahead of the curve in this rapidly evolving field.

Don't miss out on this opportunity to be part of the next generation of biomedical innovators. Sign up now and take the first step on your journey to mastering translational medicine!

When: April 22nd to July 8th, 2025, every Tuesday from 4.00 to 5.30 pm
Target Audience: Master students, PhD students, early Postdocs
Where: online via MS Teams
Registration: via JOGUStINe (04.107.INT005) or by mail to viola.krenzlin@uni-mainz.de

💡 Lectures

No.	Lecturer	Title	Date
1	Dr. Jens Posma (UMC)	The role of coagulation signaling in cardiovascular disease: a single cell approach	22.04.2025
2	Prof. Dr. Philipp Wild (UMC)	Clinical Epidemiology	29.04.2025
3	Rieke Baumkoetter (UMC)	Study design and biobanking	06.05.2025
4	Silav Zeid (UMC)	Data Sampling and Analysis using innovative AI methods I	13.05.2025
5	Dr. Vincent ten Cate (UMC)	Data Sampling and Analysis using innovative AI methods II	20.05.2025
6	Prof. Dr. Johnny Kim (TRON)	Translational approaches to cardiovascular regeneration	27.05.2025
7	Dr. Boris Strilic (TRON)	The vasculature and its role in tumor cell metastasis	03.06.2025
8	Dr. Martin Löwer (TRON)	Data Processing/Bioinformatics	10.06.2025
9	Dr. Nabeel Asim (DFKI)	A Framework for AI based genetic sequence analyses	17.06.2025
10	Adriano Lucieri (DFKI)	"Trust Me, I'm an Algorithm!": Exploring the Journey to Trustworthy AI in Healthcare	24.06.2025
11	Dr. David Antony Selby (DFKI)	Integration of prior knowledge in multi-omics integration	01.07.2025
12	Dr. Maximilian Sprang (DFKI)	Automated quality control of next-generation sequencing using machine learning	08.07.2025

* UMC (University Medical Center Mainz), TRON (Translational Oncology Mainz), DFKI (German Research Center for Artificial Intelligence)