Programme Schedule

08:30 – 09:00	**Registration**
09:00 – 09:30	Welcome & Opening Address **Moderation by Henriette Wolf-Klein** (FORUM Institute)
09:30 – 10:10	Machine Learning and AI for the Sciences: Toward Understanding **Klaus-Robert Müller** (TU Berlin)
10:10 – 10:20	*Short Coffee Break*
10:20 – 11:00	Trustworthy AI in medicine: Ethical challenges and societal implications **Melanie Goisauf** (BBMRI-ERIC)
11:00 – 11:40	Pathology and AI - From Translational Research to Healthcare **Maximilian Alber** (aignostics)
11:40 – 12:00	*Coffee Break*
12:00 – 13:00	Future of AI in Sciences **Panel Discussion**
13:00 – 14:00	*Lunch Break*
14:00 – 14:40	Generative Healthcare - From Algorithm to Bedside **Aldo Faisal** (Imperial College London)
14:40 – 14:50	*Short Coffee Break – room changes*
14:50 – 16:20	**Workshop Sessions:** • How should a transparent and interpretable AI be designed? **Georges Hattab & Akshat Dubey** (RKI, FU Berlin) • Ally and adversary: How do we want to use LLMs in daily academic work? **Jonathan Zebhauser** (FU Berlin) • AI policy and regulatory framework **Despoina Ioannidou** (HealthSageAI) • Scientific Integrity in the Age of AI: Opportunities, Risks, and Responsibilities **Ilona Lipp** (ilonalipp.de) • Case Study: AI for microscopy image analysis **Fabian Svara** (ariadne.ai)
16:20 – 16:40	*Coffee Break*
16:40 – 18:00	**World Café and Poster Session**
18:00 – 18:15	*Wrap Up*

Poster Session Schedule

16:50 – 17:10 **Session 1**

I. EMViR – Electron Microscopy Image Dataset of Labelled Respiratory Viruses for Deep Learning Model Development (*Paula Klimczok*)

II. Microscopy Meets Machine Learning: Differentiating Fungal Pathogens in Live Imaging (*Alexandra Löwe*)

III. Monitoring AMR reservoirs and the Evolution of Virulence through AI-supported HGT Annotation (*Andre Jatmiko Wijaya*)

IV. Leveraging Proteomics and Machine Learning for Improved Antimicrobial Treatment Strategies (Vincent Schilling)

17:10 – 17:30 **Session 2**

I. Why There, Why Then? Mapping Measles Outbreak Determinants in Germany (*Sten de Schrijver*)

II. Graph representation learning for spatiotemporal smoothing of national wastewater monitoring data (*Eva Aßmann*)

III. Rapid Lassa Virus Lineage Assignment with Random Forest (*Richard Olumide Daodu*)

17:30 – 17:50 **Session 3**

I. Genie – The World's First AI Bioinformatician (*Georg Basler, Iris Lam*)

II. Synthetic Data for the German Cancer Registries. (*Jean-Baptiste Escudié*)

III. AI-Powered Detection of Stigmatizing Language in Mental Health Media Coverage (*Jannis Köckritz*)

IV. Unsupervised Learning for Surveillance Indicators (*Ana Paula Gomes Ferreira*)