

Generative AI & Digital Twins in Medicine: Fact or Fiction?

Event with presentations & panel discussion

Would you like to have a digital twin (for medical applications)? Are you curious about how research on digital twins is being used to shape human and veterinary medicine? What does the future of precision medicine look like with digital twins?

Date: June 11th, 2026
Time: 12:40 – 18:00
Location: University of Zurich Irchel, Lecture room Y15-G-19
Registration:



12:40 – 12:45	Welcome
12:45 – 13:45	Keynote lecture “Into the Future: Reimagining with Digital Twins” Prof. Claudia Witt, Complementary and Integrative Digital Health, Institute of Primary Care, University Hospital Zurich; Digital Society Initiative, University of Zurich
13:45 – 14:15	“Digital twins in healthcare – Model-based precision medicine” Prof. Sven Hirsch Center for Computational Health, ZHAW Wädenswil
14:15 – 14:45	“From coronary arteries to the choroid plexus: embracing uncertainty when building digital twins” Prof. Vartan Kurtcuoglu Department of Physiology, University of Zurich
14:45 – 15:15	<i>Coffee break</i>
15:15 – 15:45	“Surgical Digital Twins for Workflow Analysis, Education, and Training” Dr. Matthias Seibold Research in Orthopedic Computer Science, Balgrist University Hospital, Zurich
15:45 – 16:15	“Digital twins for bone fracture healing: combining simulations and implantable sensors” Dr. Peter Schwarzenberg AO Research Institute, Davos
16:15 – 16:45	“Beyond the Static Scan: Towards Motion-Based Digital Twins in Veterinary Orthopaedics” Dr. Pavlos Natsios Musculoskeletal Research Unit, Vetsuisse Faculty, University of Zurich
16:45 – 17:15	“IUMENTA: a generic framework for animal digital twins” Prof. Jascha Grübel / Dr. Leonel Aguilar Melgar Central European University, Vienna / ETH Zurich
17:20 – 17:55	Panel discussion
17:55 – 18:00	Concluding remarks