Universität Zürich[UZH]

Medizinische Fakultät / UMZH

Universität Zürich
Pestalozzistrasse 3
8032 Zürich

Telefon +41 44 634 47 49
https://www.med.uzh.ch/de/veranstaltungen.html

Innovations in Medicine

The critical role of the OR-X in the clinical translation of the multisensory robotics FAROS project
with Prof. Dr. Philipp Fürnstahl, Professor in Orthopedic Computer Science, UZH, and
Dr. Fabio Carrillo, University Hospital Balgrist

OR-X provides a close-to-real surgical environment, essential for driving innovation in robotic surgery and other advanced surgical technologies.

Surgical robotic systems, like the EU-funded Horizon 2020 FAROS project, aim to enhance functional accuracy through multisensory integration and advanced algorithms. These systems require realistic surgical environments to facilitate development, validation, and multi-modal data processing—needs that are often unmet by standard research labs. Clinical ORs are costly, time-constrained, and unsuitable for such tasks. OR-X addresses this gap by providing a realistic surgical setting with interconnected devices for data acquisition and validation on ex-vivo human and in-vivo animal models.

Wednesday, 2 April 2025, 12.15-13.45, University Hospital Balgrist, meeting point: in front of the OR-X

Registration