

Interdisciplinary Colloquium Regenerative Medicine I

Tuesday, 26 Jan 2016 at 12:30 – 1:30 pm

NORD1, Kurszimmer C301

University Hospital Zurich

Prof. Dr. Brad Nelson,

Institute of Robotics and Intelligent Systems, ETH Zurich

Microrobotics and Nanomedicine: Future Directions in Medical Robotics

While the futuristic vision of micro and nanorobotics is of intelligent machines that navigate throughout our bodies searching for and destroying disease, we have a long way to go to get there. Progress is being made, though, and the past decade has seen impressive advances in the fabrication, powering, and control of tiny motile devices. Much of our work focuses on creating systems for controlling micro and nanorobots as well as pursuing applications of these devices. As systems such as these enter clinical trials, and as commercial applications of this new technology are realized, radically new therapies and uses will result that have yet to be envisioned.

Organiser: Prof. Dr. Dr. Simon P. Hoerstrup

Execution/Chair: Dr. Steffen M. Zeisberger

ReMedi & SCRUM, University Hospital Zurich and University of Zurich