

Simulations

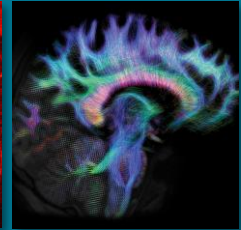
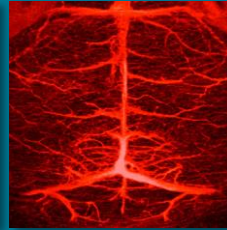
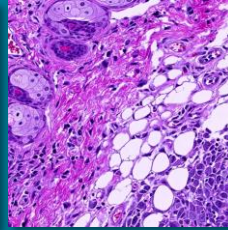
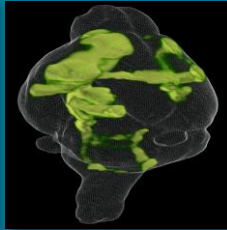
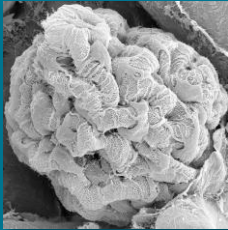
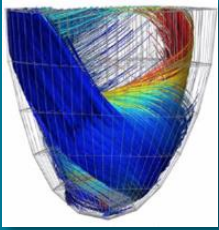
Super-Resolution

Target Imaging

Ex-vivo Imaging

Animal Imaging

Human Imaging



# 16<sup>th</sup> EXCITE Zurich Summer School on Biomedical Imaging

## 5<sup>th</sup> -16<sup>th</sup> September, Zurich, Switzerland

**Scope:** The school offers teaching on the basics of biomedical imaging and provides the broader context necessary to understand recent advances and current challenges in the field. Cutting-edge techniques based on a wide range of image-formation mechanisms — including magnetic resonance imaging, positron emission tomography, infrared and optical microscopy, electron microscopy, and X-ray imaging — will be discussed, focusing on multimodal and multiscale imaging methods and supporting technologies such as computer-aided image analysis and modelling.

The school offers optimal learning paths for participants with a background in life sciences and physical sciences. Lectures will be held in the morning and hands-on sessions in the afternoon. Further highlights are a full-day project on a topic of choice, an industry day, and the EXCITE Symposium “Bringing algorithms close to data and scanner: distributed learning for biomedical imaging.”

**Application:** The school follows a challenging and demanding schedule. It addresses excellent MSc and PhD students as well as scientists working in the industry. We admit around 60-80 participants. Students who have not yet started a PhD program may apply for a stipend. The application deadline is **25 April 2022**.

For further information and to apply, please visit

[www.excite.ethz.ch/education/summer-school](http://www.excite.ethz.ch/education/summer-school)



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