

## ILASTIK WORKSHOP



**SFB1129**

4. of December 2017, INF 205, Matematikon, Building A, 2<sup>nd</sup> Floor, Room 103: PC Pool

**ilastik** is a simple, user-friendly tool for interactive image classification, segmentation and analysis. It is built as a modular software framework, which currently has workflows for automated (supervised) pixel- and object-level classification, automated and semi-automated object tracking, semi-automated segmentation and object counting without detection. Most analysis operations are performed lazily, which enables targeted interactive processing of data sub-volumes, followed by complete volume analysis in off line batch mode. Using it requires no experience in image processing.

### **Workshop outline**

The workshop will begin with an introduction and a walk through of the different workflows that ilastik offers, and everyone is welcome to attend.

For the following “show and tell” as well as the “hands-on” sessions, we kindly ask you to register for one of the 20 available seats. This group size should allow all participants to receive the required amount of support.

Also, we invite the participants to bring their own data during the “hands-on” session, so they can explore solving their own problem using ilastik, while being supported by the ilastik team.

The workshop will be given by Janez Ales, Carsten Haubold, Fred Hamprecht, Anna Kreshuk, and Dominik Kutra.

### **Workshop schedule**

9:30 – 10:40 Introduction to Ilastik and its workflows – Open to everyone

Pixel and Object Classification, Tracking with Learning, Cell Density Counting, and Boundary Based Segmentation.

11:00 – 12:00 Show and Tell – Participants only

12:00 – 13:00 Lunch break

13:00 – 15:00 Hands-On session – Participants only

### **What should you bring?**

A laptop

A mouse with a mouse wheel

Your data