

3-hour workshop on “Statistical analysis of single-cell protein data”

- 9:00 – 9:10 Welcome and Introduction of workshop and speakers.
- 9:10 – 9:40 **Speaker 1:** Brooke Fridley
Title: *Overview of abundance-based and spatial-based analysis approaches for multiplex imaging data*
- 9:40 – 9:45 Questions for speaker 1
- 9:45 – 10:10 **Speaker 2:** Simon Vandekar
Title: *Normalization and Cell Phenotyping for mIF data*
- 10:10 – 10:15 Questions for speaker 2
- 10:15 – 10:40 **Speaker 3:** Inna Chervoneva
Title: *Quantile biomarkers based on single-cell multiplex immunofluorescence imaging data*
- 10:40 – 10:45 Questions for speaker 3
- 10:45 – 11:10 **Speaker 4:** Julia Wrobel
Title: *Tools and software for functional data analysis of multiplexed imaging data*
- 11:10 – 11:15 Questions for speaker 4
- 11:15 – 11:40 **Speaker 5:** Siyuan Ma
Title: *A Flexible Generalized Linear Mixed Effects Model for Testing Cell-Cell Colocalization in Spatial Immunofluorescent Data*
- 11:40 – 11:45 Questions for speaker 5
- 11:45 – 12:00 Panel discussion and questions