



NCCR CHEMICAL
BIOLOGY

SPECIAL SEMINAR SERIES

Invited speaker

TIMM SCHROEDER

Professor, Department of Biosystems Science and Engineering
ETH Zürich



Long-term single-cell quantification: new tools for old questions

*Followed by a working session on cell tracking, lineage,
segmentation and analysis.*

February 23rd 2018

13:00

UNIGE - Room 3-352

About the seminar

Many long-standing questions in stem cell research remain disputed. One major reason is the fact that we usually analyze only populations of cells – rather than individual cells – and at very few time points of an experiment – rather than continuously. Prof. Schroeder has developed imaging systems and software to image, segment and track cells long-term, and to quantify e.g. divisional history, position, interaction, and protein expression or activity of all individual cells over many generations.

