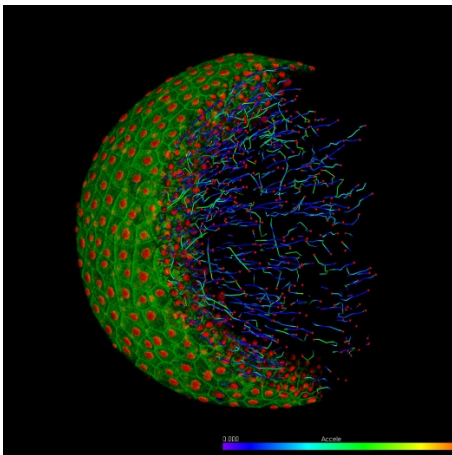
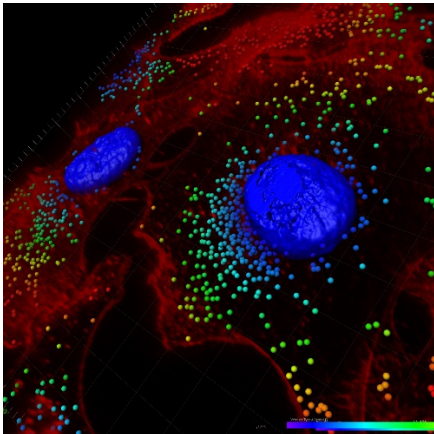


RNA Lecture Series Part I

11. April 2018, 17.00 Uhr
H 53

BITPLANE
an Oxford Instruments company



Michael Mahlert, PhD

Bitplane AG, Zurich

3D Visualisation and Image Analysis with Imaris

Imaris is a powerful software for visualisation and quantitative analysis of threedimensional microscopical datasets and time series of any size.

With Imaris you can render very large datasets 3D and interact with the visualized dataset in real time. Additionally it allows you to animate and export your data as movie file.

On top of the visualisation, Imaris offers a complete toolbox for quantitative analysis of your data. It provides very flexible tools for segmentation of objects and for measuring their number, shape, volume, intensity etc. The measurements can directly be plotted in Imaris or exported for further statistical analysis.

All these segmentation tools can also be applied for time series, so that development of tissues or the movement of objects can be analysed and tracked over time.

In this talk a general overview of the Imaris functionality will be given and the software will be demonstrated in live with different examples. A focus will be set on analysis of huge datasets and of 3D time series and on the analysis of cell biological samples.

Host: Graduate Research Academy RNA Biology
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Universität Regensburg
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