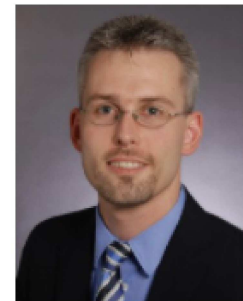


ABOUT

After studies and a PhD in biology with extensive microscopy and image analysis experience, in 2012, I became a freelance bioimaging analyst. In this position I consider myself as a link between the hard core imaging software developers and the end users in areas of life sciences. Additionally, this includes own software development of analysis plugins (for Fiji) as well as customized image analysis consultancy starting from experimental design until the final extraction of specific results.

In this context, BioVoxel offers individualized workshops to give an understanding about the basics and practical methods in scientific image processing and analysis to undergraduates, PhD students and PostDocs in life sciences at universities and other scientific institutions. This training should transfer software and image processing basics as well as individual analysis methods in an understandable and applicable fashion from the original developers to the user.

The immense publication volume in life sciences is constantly increasing. New methods including diverse imaging techniques and the further technical innovation and advance e.g. in modern microscopy contribute to faster data acquisition in progressively less time.



Dr. Jan Brocher

Nevertheless, the processing in terms of interpretation of those data is still the responsibility of the scientists themselves. In the light of this increasing acquisition speed and amount of data in today's scientific environment it is indispensable to be aware of and comply with the background knowledge regarding data processing to introduce high quality and non-altered data sets into our interpretations. Moreover, every scientist should adhere to the respective scientific ethics and good laboratory practice to sustain the significance and credibility of scientific data in the future.

Most young students in life sciences right at the beginning of their scientific careers often are not fully aware of the possibilities, limits and problems of digitalized imaging data. Therefore, I consider it essential to teach especially young academics in an early stage of their career a comprehensive knowledge about image handling, basic processing and analysis. This should combine an efficient workflow with high scientific quality in the future.

Besides teaching, as an analyst I also offer customized trainings as well as automated solutions and software tool programming for digital image processing and specific image analyses. Furthermore, image integrity screenings are part of BioVoxels' service portfolio (see [BioVoxel Consulting](#)).

BioVoxel would like to thank all the ImageJ and Fiji core developers for providing ImageJ and Fiji as such a great tool to the scientific community and working hard on its maintenance and improvement.

The Fiji Paper:

Johannes Schindelin, Ignacio Arganda-Carreras, Erwin Frise, Verena Kaynig, Mark Longair, Tobias Pietzsch, Stephan Preibisch, Curtis Rueden, Stephan Saalfeld, Benjamin Schmid, Jean-Yves Tinevez, Daniel James White, Volker Hartenstein, Kevin Eliceiri, Pavel Tomancak and Albert Cardona

[Fiji: an open-source platform for biological-image analysis](#)

Nature Methods. 2012 Jun 28; 9(7): 676-682