

BALANCE OF THE MICROVERSE

Cluster of Excellence funded by the DFG

Proposal for Imaging Experiment at ZEISS

Dear Sir or Madam,

We encourage applications from scientists from the "Balance of the Microverse - Cluster of Excellence", who are limited in their experiments by the currently used imaging technology inclusive analysis pipeline.

Upon approval, visiting scientists will have access to consultations by ZEISS staff to find the imaging approach which is most suited for their applications. ZEISS will provide access to its commercial and pre-commercial products (alpha or beta test systems) to validate that the identified imaging approach is adequate for the planned experiments.

ZEISS expects the scientists to give feedback to ZEISS on ZEISS imaging technology.

All proposals must be in the following format (around 500 - 1000 words and up to 3 figures) and submitted by the end of January 2020 at the latest.

We look forward to welcoming you to ZEISS and to an exciting cooperation with you.

Yours faithfully
ZEISS Microscopy Team

Please send the form to:
aurelie.jost@uni-jena.de

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Name of Lead PI

1. Summary

Present the main goals of the intended imaging experiment as well as the biological system (incl. dimensions and mounting) and labeling method that will be employed. Abstracts presenting more details on the experimental design will be more likely to be accepted. Specify the expected imaging duration, speed, depth, and resolution, if known.

2. Preliminary Data (if existing)

Applications showcasing preliminary imaging data will have higher chances of getting accepted.

The data should (1) demonstrate the feasibility of the proposed experiment, such as e.g. fluorophore photostability, signal-to-noise or signal-to-background, probe labeling specificity, labeling strategy, and transfection efficiency, and (2) illustrate the limitations of the imaging technology you are currently using to perform the experiment.

3. Data Quantification Strategy

Outline how data will be analyzed and/or quantified to yield biologically relevant information.

Explain how the relevant data quantification helps support your anticipated measurable outcome.