



Universität  
Basel

## Research Project

### Micro-ultrasound for in vivo imaging of small animals

#### Third-party funded project

**Project title** Micro-ultrasound for in vivo imaging of small animals

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**Organisation / Research unit**

Departement Biozentrum / Biochemistry (Hall)

**Department**

**Project start** 01.12.2015

**Probable end** 30.11.2016

**Status** Completed

We will purchase an instrument to perform micro-ultrasound imaging on small animals. Ultrasound imaging allows in vivo detection of soft tissue and blood flow via non-invasive transmission and receiving of ultrasound waves. The micro-ultrasound instrument we will purchase (Fujifilm VisualSonics Vevo 3100 Imaging System) provides high temporal (real time) and spatial (30 micron) resolution. Given its high resolution and dedicated design, it is commonly used for pre-clinical research on small model organisms such as rats, mice, chick embryos, and zebra fish. The imaging system will be housed in the animal facility of the Biozentrum of the University of Basel and will be widely available for use by members of the Biozentrum research community.

**Keywords** infection biology, ultrasound, neurobiology, cancer, immunology

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