

## **Rules of operation of CellVizio DualBand optic-fiber confocal fluorescence microscope**

CellVizio DualBand is optic-fiber confocal fluorescence microscope, which provides in vivo real time monitoring of tissue surface in cellular resolution.

Images are acquired simultaneously at two excitation wavelengths (488 and 660 nm) and registered. This provides ability to visualize both anatomical and functional information in real time. With CellVizio it is possible to observe delivery of drugs or other marked substances in the tissue.

### **Location**

Room D / basement / 050 (l. 2813)

Laboratory of Developmental Epileptology, Institute of Physiology of the Czech Academy of Sciences, Vídeňská 1083, Prague 4, Czech Republic

### **Contacts**

Manager:

**Doc. MUDr. Jakub Otáhal, Ph.D.**

[jakub.otahal@fgu.cas.cz](mailto:jakub.otahal@fgu.cas.cz), tel: 24106 2813

Operator:

**Mgr. David Kala**

[david.kala@fgu.cas.cz](mailto:david.kala@fgu.cas.cz), tel. 731 410 086

### **Fees**

Information about fees is at <https://www.fgu.cas.cz/en/articles/672-poplatky-czbi>.

### **Usage rules**

1. Registered users are enabled to make reservations of the device. Reservation instructions and rules are at <https://www.fgu.cas.cz/en/articles/664-reservation-czbi>. Any problems with the reservation system should be reported to IT Helpdesk, IPHYS CAS ([helpdesk@fgu.cas.cz](mailto:helpdesk@fgu.cas.cz)). The reservation has to be consulted with the device manager in order to enable the access to the device and to the calibration solutions and other solutions (fluorescent sonds etc.).

2. User training is provided by the device manager. Trained users may use the device independently.

3. The device is used by the trained users in accordance with the [Training protocol](#).

4. The user is obliged to fill in specifications of his/her usage into the device attendance book (name, start time, end time, affiliation, financial source for payment, experiment duration, purpose and notes) and signature. Information about fees is at <https://www.fgu.cas.cz/en/articles/672-poplatky-czbi>.

5. When the results are used in a publication, users have to mention the used device and include the OPPK project in Acknowledgments: "Supported by project ERDF, OPPK BrainView CZ.2.16/3.1.00/21544." The Open Access users are further obliged to include the CzBI project in Acknowledgments: "The results were obtained using the National Infrastructure for Biological and Medical Imaging (Czech-BioImaging LM2018129 funded by MEYS CR)." Any questions will be answered by the manager.