

Nencki Institute of Experimental Biology

A Microscopy Core Facility at the Nencki Institute

2012-02-13



Dr Tytus Bernas, leader of the new facility, received his doctorate, in biophysics, from the Jagiellonian University in Krakow, Poland. His thesis on the measurement of redox potentials in living cells utilized time-lapse microscopy as the primary research tool. He pursued his interest in a range of modalities of biological optical imaging during the work at the University of Amsterdam (the Netherlands), Purdue University (IN, USA) and Royal College of Surgeons in Ireland (Dublin).

The newly established Microscopy Core Facility will offer an array of modalities, including: point scanning

confocal and two-photon microscopy, spinning disc confocal, time – resolved imaging, superresolution microscopy and correlated light-electron microscopy (CLEM). These techniques will be used in a broad spectrum of research projects, ranging from imaging of subcellular structures to animal organs in vivo.