

Light Microscopy Core Facility, Institute of Molecular Genetics CAS

is searching for specialist on

Light Sheet Microscopy

Position: Light Sheet Microscopy specialist

Contract type: full contract

Site description: Light Microscopy Core Facility, [Institute of Molecular Genetics CAS](#).

Light Microscopy Core Facility, is part of the Prague node of [Czech-Bioimaging](#) Infrastructure, and a member of the proposed Prague node of [Euro-Bioimaging](#) infrastructure. The Facility provides the instrumental and methodological base in the field of light microscopy for research teams of the Institute of Molecular Genetics as well as for external users. The Facility is equipped with confocal microscopes Leica TCS SP5 AOBs Tandem, Leica SP8 confocal, Leica TIRF MC microscope, DeltaVision Core system with photo manipulation, DeltaVision OMX super-resolution microscope, Leica TCS STED 3X super-resolution microscope and other systems. In collaboration with Dr. Pavel Tomančák (MPI, Dresden), we are planning to introduce light sheet microscopy to our portfolio of imaging modalities. We anticipate the installation of several high-end light sheet microscopy systems in the near future, including multi-view SPIM, diSPIM and Lattice Light Sheet microscope(31). There will be also an opportunity to develop and build custom SPIM systems in collaboration with the Tomančák's group.

Job description:

1. Assistance with light sheet microscopy setup in the facility, particularly help with instrument configuration and installation, and lab setup
 2. Establishment of the light sheet microscopy sample preparation protocols
 3. Cooperation on the design and installation of the IT infrastructure needed for storage and analysis of large data sets generated by light sheet microscopes
 4. Operation and maintenance of the light sheet microscopes
 5. Collaboration with research teams and facility users on their projects using light sheet microscopes
 6. Teaching and training of facility users in light sheet microscopy, data acquisition, processing and analysis
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Qualification expected:

1. PhD in physics or biomedical sciences. The ideal candidate should be profiled in the field of optics and light microscopy with a strong background in biology or vice versa.
2. Experience in light microscopy, light microscopy sample preparation. Experience with image processing and analysis and/or strong background in IT will be considered an advantage.
3. Ability to work independently and learn permanently
4. Candidate should be service oriented
5. Flexibility and strong communication skills for effective collaboration with research teams and users
6. Fluency in written and spoken English

Other: The probation period will be 3 months and then the contract will be limited till the end of year 2019, but could be prolonged.

Position availability: from the 1st August, 2016.

Application deadline: 1st July, 2016

Please send your application to ondrej.horvath@img.cas.cz including a CV and a letter of motivation. If more information is needed, please contact Ondrej Horváth, tel. +420 773979818. Selected candidates will be invited for an interview.
