

Job Information

Job Title:	Research assistant (0.1-0.2 FTE)
Discipline:	Applied Physics / Bio-Medical engineering
Position available from:	Immediately
Category:	Academic / Research

We are seeking an research assistant for our research project Gate2 μ , cofounded from the European Regional Development Fund, The Ministry of Education, Youth and Sports of the Czech Republic and the Institute of Scientific instruments of the CAS.

The project Gate2 μ combines expertise in wavefront shaping technologies, digital holography, fibre optics, and bio-medical photonics in an effort to introduce new imaging modalities deep inside living organisms.

The friendly international team of Gate2 μ is located in newly refurbished premises of the Institute of Scientific Instruments, featuring spacious optics laboratory, access to mechanical workshops, small-animal facility and further support from skilled IT and administrative departments. The institute is well connected to the city of Brno with private car park, library and in-house dining facility.

The successful candidate will work on theoretical and experimental investigation of light transport processes in multimode waveguides.

The post is offered for the duration of one year.

Person specification:

- Experience in numerical and analytical modelling of light propagation in multimode optical waveguides.
- Programming skills (Labview, Matlab).
- Experience in setting up optical systems.
- Experience with computer-controlled wavefront shaping
- Ability to contribute to research outputs.
- Good communication and interpersonal skills.
- Ability and willingness to work collaboratively with others.
- Ability to collaborate with existing members of a research group and learn new topics
- Good English (written and spoken)

Responsibilities:

- Undertake assigned research activities
- Contribute to publications in research journals
- Participating in the outreach activities.

Application Requirements:

Applicants must include with their application:

- Cover letter outlining the candidate's suitability for the role.
- Curriculum Vitae

Contacts:

To further discuss the details of this post, informal inquires may be made to Tomas Cizmar cizmart@isibrno.cz or Johanna Traegaardh johanna@isibrno.cz .

Closing Date: 15th September 2017

