

# Job Advertisement

The Leibniz-Institute of Photonic Technology (IPHT) offers the following part time position (50%) in the research department Spectroscopy / Imaging **from 01.08.2017 to 31.07.2020**:

## PhD student (m/f)

IPHT is a university independent research institute with close connection to the Friedrich-Schiller-University Jena and member of the Leibniz association.

### Topic:

In cooperation with University California in Davis (research group Prof. Dr. Laura Marcu) clinical studies using Raman spectroscopy and fluorescence lifetime imaging (FLIM) are planned. Applications include cancer research and tissue engineering. The candidate will develop a fiber probe Raman setup and perform experiments in Jena and Davis. Moreover, the candidate will learn and apply multivariate statistical analysis for data processing. The work requires traveling to the US partner for several months.

### Your responsibilities:

- Raman spectroscopy with fiber optic probes
- Acquisition of Raman and FLIM images from tissue samples
- Multivariate processing of Raman spectra and images

### Your qualification:

Master degree in chemistry, physics or related disciplines

### Your expertise and knowledges:

- Experience in spectroscopy, ideally Raman or fluorescence spectroscopy
- Design and characterization of optical systems
- Knowledge in chemometric data analysis
- Good oral and written English skills

### Salary:

German tariffs for public employees (TV-L)

The IPHT strives to increase the proportion of female employees. Therefore woman are explicitly encouraged to apply.

Further information can be obtained from

Dr. Christoph Krafft, Tel. +49 3641 206 306 / mail: [christoph.krafft@leibniz-ipht.de](mailto:christoph.krafft@leibniz-ipht.de)

Dr. Iwan Schie, Tel. +49 3641 206 331 / mail: [iwan.schie@leibniz-ipht.de](mailto:iwan.schie@leibniz-ipht.de)

Please send your application electronically as pdf file or via mail **until 16.6.2017** including your CV, certificates and contact information of two references to:

**Leibniz-Institute of Photonic Technology Jena**  
**Human Resources**  
**Albert-Einstein-Straße 9**  
**07745 Jena**  
**E-Mail: [Personal\\_Abtl@leibniz-ipht.de](mailto:Personal_Abtl@leibniz-ipht.de)**  
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