

Leibniz
Universität
Hannover

The Hannover Centre for Optical Technologies (HOT) invites applications for a

PhD Student Position (m/f/d) in the field of Multimodal Raman-OCT Systems for biomedical applications (Salary Scale 13 TV-L, 75 %)

to start on the next possible date. The initial appointment will be for 2 years, with the possibility of an extension. The possibility for a PhD thesis is given and desired.

Responsibilities

The advertised position deals with the development and validation of a system for multimodal examination in dermatology based on Raman spectroscopy and optical coherence tomography OCT. The topic is part of an interdisciplinary project for the development of multimodal systems in life sciences/medicine. Close cooperation with clinical partners is essential.

We offer a motivated, dynamic working atmosphere in an application-oriented research field at the interface between optics, physics and engineering.

Conditions of appointment

Requirement for the recruitment is a successfully completed university degree (Master) in physics, optical technologies, engineering or a related field. In-depth knowledge in at least one of the following areas: Raman spectroscopy, optical coherence tomography, multivariate data analysis, imaging methods, image segmentation, machine learning/deep learning. Experience in general optics and photonics, optical measurement technology as well as good programming knowledge e.g. in Matlab and LabView are an advantage.

We expect a high level of commitment and motivation, enjoyment of independent, experimental and theoretical work as well as good written and spoken German and English skills.

For information please contact Prof. Dr. Bernhard Roth (Phone: 0511 762-17907, Email: bernhard.roth@hot.uni-hannover.de). Further information on HOT can be found on our website: www.hot.uni-hannover.de

Please submit your complete application documents including letters of recommendation as soon as possible:

Gottfried Wilhelm Leibniz University Hannover

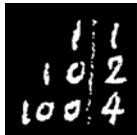
Hannover Centre for Optical Technologies (HOT)

Nienburger Str. 17

D-30167 Hannover

<http://www.uni-hannover.de/jobs>

or by Email to Mrs. Vera Vollmert: vera.vollmert@hot.uni-hannover.de



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Information on the collection of personal data according to article 13 GDPR can be found at <https://www.uni-hannover.de/en/datenschutzhinweis-bewerbungen/>.