



hhdp

heme and heme degradation products
alternative functions and signaling mechanisms



Leibniz-Institut für Altersforschung
Fritz-Lipmann-Institut e.V. (FLI)

“Heme and Heme Degradation Products: Alternative Functions and Signaling Mechanisms” is an established joint research project, which will be funded as DFG research unit FOR 1738 starting March, 2012. For this project we are looking for a

PhD student (TV-L E13/2)

Research areas are:

- Preparation (chemical synthesis or recombinant) and purification of peptide and protein samples,
- Initial characterisation of the samples by CD spectroscopy and other protein-analytical approaches,
- Heme interaction studies,
- Acquisition and analysis of NMR spectra for structure determination in the free and heme bound state

Candidates are expected to hold a Diploma/Masters degree (or equivalent) in a relevant subject (e.g., chemistry, biology, molecular medicine, biochemistry), have fluent English skills in word and writing and interest in working in an interdisciplinary structural biology project. Knowledge in the areas peptide chemistry, protein-ligand interactions and/or NMR spectroscopy of biomolecules would be advantageous.

The contract conditions and the salary will be according to the collective labour agreement for public service employees of the federal states of Germany (TV-L). The fixed-term employment is limited to three years. Applicants should have interest for short-term exchange with the partner laboratory at the University of Bonn.

For further information on the project please consult www.hhdp.uni-jena.de or contact: Dr. Oliver Ohlenschläger, Leibniz Institute for Age Research / Fritz Lipmann Institute, Biomolecular NMR Spectroscopy, Beutenbergstr. 11, D-07745 Jena, Tel.: 03641-65 62 19.

The selection procedure and position will be integrated in the Leibniz Graduate School on Ageing and Age-Related Diseases of the Fritz Lipmann Institute. Please acquaint yourself with the application procedure on our website - <http://www.fli-leibniz.de/phd> (Application), download the application and recommendation forms, fill in the application form and send it electronically (until 15th February 2012) to the LGSA (the email address can be found in the application guidelines). For further information on the application procedure please contact:

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