The Institute of Applied Physiology at Ulm University is offering the following position in the group of Prof. Birgit Liss

**Postdoc (m/f)**

Reference-code 105464

The position is offered for initially three years (longer funding options possible). Salary according to the German TV-L system.

We offer an interdisciplinary research team with international collaborations, integrated in an exciting scientific environment. Within the SFB F-44 - Cell signaling in chronic CNS disorders and BIU - Boehringer Ingelheim Ulm University BioCenter, we analyze function and gene-expression of individual neurons, to identify mechanisms of their metabolic dysfunction and their degeneration due to aging and disease. We focus on the dopaminergic midbrain system, on Parkinson's disease, and on analyzing cell-specific functions of ion channels, transporters and receptors (e.g. D2-receptors, K-ATP and Ca²⁺ channels). Methodologically, we combine single-cell functional analysis (retrograde tracing, in vivo & in vitro electrophysiology, MEA, calcium imaging), as well as immunohistochemistry and laser-microdissection, with cell-specific, quantitative RNA and DNA analysis.

Applicants should be highly motivated natural or medical scientists with excellent degrees in neuro-, medical- or life-sciences. Team spirit, capability for independent, self-motivated and analytical work, and very good English- and computer-skills are required. Knowledge of neurophysiology, as well as technical expertise in cell-biology or electrophysiology are highly desired.

Please refer to our website for further information on our research, publications etc.: http://www.uni-ulm.de/med/angewphys.html.

Are you interested?

We are looking forward to your application (please submit copies only, applications-documents will not be returned but destroyed after the selection process). Please do not send application by e-mail. Please note that expenses related to your application can not be reimbursed. Inquiries and application with all common documents (including two references) should be sent to:

**Professor Dr. Birgit Liss**
Ulm University, Institute of Applied Physiology
Albert-Einstein-Allee 11
89081 Ulm
Germany

Application Deadline: 25.11.2016

Employment takes place through the administration department of the University Medical Center Ulm, which acts in the name and on behalf of the federal state of Baden-Württemberg. Handicapped people with equal qualifications will be employed preferentially. The University Ulm strives for an increased proportion of women in research and teaching and therefore strongly encourages qualified female scientists to apply for the position.