



Albert-Ludwigs-Universität  
Freiburg

Institut für Molekulare Medizin  
und Zellforschung (ZBMZ)

Direktor der Spemann  
Graduiertenschule für Biologie  
und Medizin

Prof. Dr. Christoph Borner  
Stefan-Meier-Str. 17  
79104 Freiburg  
Tel. 0761/203-9618/9624(Sekr.)  
Fax 0761/203-9620  
christoph.borner@uniklinik-freiburg.de  
www.mol-med.uni-freiburg.de

05.06.2012

## Two PhD Positions in Apoptosis Research at the University of Freiburg, Germany

Applications are invited for 2 PhD positions in the apoptosis laboratory of Prof. Dr. Christoph Borner at the Institute of Molecular Medicine and Cell Research (IMMZ), Albert-Ludwigs-University, Freiburg, Germany. The projects involve the further characterization of (i) a novel JNK-dependent apoptosis signaling pathway induced by the fungal pathogen gliotoxin and the role of the toxin in provoking fungal disease in mice and humans (in vivo experiments), (ii) a novel, caspase-8-dependent, death receptor-independent signaling pathway induced by the Semliki Forest RNA virus. Students with interest and experience in cell biology (fluorescence microscopy and sorting, lenti/retroviral transduction, virology), protein biochemistry (phosphorylations, immunoprecipitations), molecular biology (site-directed mutagenesis, cloning, sh/siRNA knock-down) and/or animal handling are encouraged to apply. For further details, see [www.mol-med.uni-freiburg.de/mom/cb](http://www.mol-med.uni-freiburg.de/mom/cb). Salary according to TVL-13/2, Starting time: immediately

**Applicants should submit a full CV, motivation letter, list of publication (if available) and the names and addresses of three referees to Prof. Dr. Christoph Borner ([christoph.borner@uniklinik-freiburg.de](mailto:christoph.borner@uniklinik-freiburg.de))**