

**UNIVERSITY MEDICAL CENTER MAINZ, GERMANY**  
**4 PhD POSITIONS**

A research consortium from University Medical Center Mainz was able to apply successfully for a grant on "novel and neglected cardiovascular risk factors": 2.9 Mi EUR for the next 3 years with the chance to be prolonged for another 3 years after evaluation. We are looking for 4 PhD candidates (each is a 1700 EUR PhD stipend per month, tax-free for at least 3 years).

I am looking for my project for 2 candidates with interest in analytical biochemistry. They should establish new assays for ROS detection in biological samples (cell culture, animal tissues and human samples) but also validate old assays that were used for the last decades. Ideally my candidates have experience in HPLC, EPR, fluorescence plate reader assays, Western blotting and basic skills in cell culture, immunohistochemistry and RT-PCR. I have brand new equipment to address these objectives.

For the second project in my laboratory (Prof. Münzel is the PI) we are looking for 2 candidates with interest in animal (preclinical) research. They should like to work with animal, including the surgery and sacrifice, but also establish new treatment regimens of animals with environmental risk factors noise and particulate matter exposure. For this we have new equipment including an exposure system for gaseous and solid pollutants. Ideally these candidates have experience in animal handling and basic skills in cell culture, immunohistochemistry, FACS analysis and RT-PCR.

If you know any students who just finished the Master or will finish within the next few weeks, who is skilled and has interest in one of the above mentioned topics, please ask him/her to send me a CV and letter of motivation to [daiber@uni-mainz.de](mailto:daiber@uni-mainz.de)

Prof. Andreas Daiber

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