

Vienna, February 2009

**Open position: PhD student in applied mathematics / modeling and simulation of biosensors**

The Wolfgang Pauli Institute at the University of Vienna, Austria is looking for a PhD student working in the field of the mathematical modeling and simulation of biosensors. This position is part of an FWF (Austrian Science Fund) project. The topic is very timely: we develop the mathematical tools and the simulators to enable the theoretical understanding of recently demonstrated field-effect biosensors. We also collaborate with leading researchers in this field. More information is available at <http://Clemens.Heitzinger.name/Research.html> and at <http://www.wpi.ac.at>.

**Requirements:** A master's degree in (applied) mathematics or a closely related field is required. The successful candidate should have an excellent background in applied mathematics, partial differential equations, and their numerics. Programming skills and a good background in physics are desirable.

**Salary:** The research is funded by the FWF (Austrian Science Fund) according to its salary guidelines „FWF Personalkostensätze für DoktorandIn neu“ ([http://www.fwf.ac.at/de/projects/personalkostensaetze\\_2008.html](http://www.fwf.ac.at/de/projects/personalkostensaetze_2008.html)). The position is limited to three years with a possible extension. Funding for conference visits etc. is available. The working language is English.

**Inquiries and applications:** please send the usual documents (CV, degree certificates, references, and letter of motivation), preferably by email, to

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Email: Clemens.Heitzinger (at) univie.ac.at.

Applications will be accepted until the position is filled.

Best regards,  
Clemens Heitzinger