



PhD position (Microcirculation)

in the study of blood flow behaviour through microchannels.

A PhD position is available in the physiological flow study laboratory (PFSL) at Department of Bioengineering and Robotics at Tohoku University, Japan. The position is part of a team involved in the Global Nano-Biomedical Engineering Education and Research Network Centre (<http://www.nanobme.org/en/index.html>).

The successful applicant will use state-of-the-art measurement techniques for the analysis of blood cells behaviour through different kinds of microchannels. The candidate is expected to fabricate the microchannels and culture endothelial cells on it. Computational skills would be a plus.

The candidate must have a master degree in biomedical engineering, mechanical, chemical or other related area. The position requires experience in fluid mechanics. Ideally, the candidate should also have interest in doing research, good mathematical background and good problem-solving skills. Prior knowledge in the areas of cardiovascular mechanics, microbiofluids and microfabrication is an advantage, but is not required. The candidate is expected to be part of the PhD-program at Tohoku University. Good English skills will be a plus as all lectures and dissertation will be in English. The PhD position is for 3 years, the start date is negotiable.

More information is available at:

<http://www.ipb.pt/~ruimec/>

<http://www.pfsl.mech.tohoku.ac.jp/index-en.html>

For further inquiries, please contact Dr. Rui Lima (see contact information below).

To apply, please send an application before 22nd of September 2008 with CV and covering letter, providing an email address and contact telephone number to Rui Lima email: ruimec@ipb.pt

Contact:

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