

For the Innovation Center Computer Assisted Surgery we are searching for a

Research Group Leader (f/m)

(reference number 3570)

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ICCAS was founded in Leipzig in 2005 at the second-oldest medical faculty and university in Germany as one of six ZIK Centres for Innovation Competence. It has since become successfully established as an internationally acclaimed interdisciplinary research institution.

The challenges:

- FUS-RT stands for combined treatment comprising focused ultrasound (FUS) and radiotherapy (RT). This approach is to be used to combine MR guided Focused Ultrasound (MRgFUS) and percutaneous radiotherapy. The aim of FUS-RT is to harness the synergistic effect of heat and the mechanical effects of both sound and ionizing radiation to improve the results of the radiooncological treatment of malignant solid tumors and metastases. The key issues are to develop the cell biological principles, conduct computer-assisted modeling, and evaluate the potential of the possible future clinical use of FUS-RT combination therapy.
- The research group is part of a joint project with the OncoRay Center Dresden. The group leader will be responsible for setting up and managing an interdisciplinary research group concentrating on focused ultrasound in Leipzig.

Reasons that speak for you:

- Applicants should have an in-depth knowledge of ultrasound imaging, focused ultrasound, magnetic resonance imaging, and simulation methods. Knowledge of computer science and medical robotics would be an advantage.
- Experience in managing a research program as well as proven expertise in MR and ultrasound are expected. Particular importance is attached to the ability to develop and lead an interdisciplinary team. In addition, experience in working closely with clinical users would be very useful.
- The Junior Research Group leader will head his/her own research group consisting of three scientists. The research group will benefit from an aboveaverage budget and excellent infrastructure, and be supported by ICCAS's administrative and scientific staff. In addition, the successful candidate will be expected to play a teaching role in the existing academic and student environment.

Your contact person: Prof. Dr. Thomas Neumuth, telephone: +49 341 97-12001, E-Mail: thomas.neumuth@iccas.de

If we have piqued your interest, we look forward to your application. Women are explicitly prompted to apply. Severely disabled candidates will be considered preferably in case of equal qualifications. We ask to not use application kits and to submit copies only, as your records privacy just destroyed upon completion of the application process.

Please send your usual documents until **September 5th, 2016** to:

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Medizinische Fakultät
ICCAS

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For more information, please go to:

<http://www.unternehmen-region.de/de/73.php>

<http://www.iccas.de>

