

# PhD position in Clinical Biomechanics

## Orthopaedic Hospital for Children Aschau Germany

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The Gait Laboratory of the Orthopaedic Hospital for Children Aschau Germany invites applications for a PhD position in the fields of motion analysis / clinical biomechanics

The successful applicant should possess a Master's degree in Human Movement Sciences, Sports Sciences, Mechanical Engineering, Biomedical Engineering, or a closely related discipline with a talent to work with children. Preliminary experience in 3D gait analysis, Muscle Mechanics and MatLab programming would be helpful.

The PhD position will focus on the musculo-skeletal adaptations of the lower extremities of patients with various musculo-skeletal problems and their functional implications on gait. Besides 3D gait analysis, MRI, ultrasound and force measurements of muscle groups will be considered.

The position is funded by the Behandlungszentrum Aschau GmbH. Position will be available from 1st April 2010 and will start with a 2 years contract. Extension is subject to satisfactory progress. Salary will be offered half-time, according to federal regulation (TVL) depending on level of qualification.

The paediatric orthopaedic hospital in Aschau is Germany's largest orthopaedic hospital for children; clinical director is Dr. Leonhard Doederlein. Aschau is located 1h South-east from Munich close to the Bavarian Alps. Co-supervision will be in collaboration with the University of Technology Munich, other suitable collaborations are welcome.

Please submit your application together with a curriculum vitae, publications or thesis work and contact information of two references electronically to Dr. Harald Boehm ([h.boehm@bz-aschau.de](mailto:h.boehm@bz-aschau.de)).

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