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PhD Position: Computer-Aided Diagnosis Radiological Grading of 3D Spinal MRI

The Information Processing in Medical Interventions Group at the Institute for Surgical Technology and Biomechanics, University of Bern is looking for a highly motivated PhD student with cutting edge machine learning and medical image analysis background to develop Computer Aided Diagnosis methods for radiological grading of 3D spinal MRI. This is a three-year position that is supported by the Swiss National Science Foundation (SNSF) and is available immediately. The PhD student will work closely with spine surgeons at Spine Center, Schulthess Clinics, Zurich and will be part of a team consisting of the principal investigator (PI), two post-docs, two programmers, and other PhD students. The student will have chance to supervise Master students.

Required skills/experiences include:

- Master degree in Computer Science, Electrical Engineering, Applied Mathematics or related fields with knowledge and experience in medical image analysis, machine learning or computer vision algorithm development and implementation
- Excellent programming skills in C++ and Matlab
- Knowledge on MR imaging will be favored

Interested candidates should send their resumes with references to:

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