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**UNIVERSITÄT
BERN**

Medical Faculty
Department for BioMedical Research

08.10.18

Post-Doctoral Position (100%) on Tissue-Specific Progenitor Cells of the Intervertebral Disc (36 months funded by H2020 Project)

We are seeking for the Tissue and Organ Mechanobiology Group a **post-doc researcher** who is trained in molecular biology and biomedical engineering starting **1 January 2019**. The project investigates on the identification of recently described tissue-specific progenitor cells of the intervertebral disc of the human spine (Sakai D *et al.* Successful fishing for nucleus pulposus progenitor cells of the intervertebral disc across species *JOR Spine* 2018; **2018e**: doi: [10.1002/jsp2.1018](https://doi.org/10.1002/jsp2.1018)).

The successful candidate will have a strong cross-disciplinary background in molecular biology (immune-staining, flow cytometry, real-time qPCR, Western blot, confocal microscopy, histology techniques of tissue sections, [classical & plastic embedded or paraffin]) but will ideally also have experience in biomechanics and engineering. Experience with *in vivo* animal experiments would be desirable. Previous experience in intervertebral disc research or similar tissue such as cartilage or bone is highly warranted. You will be working in our small team, which is composed of molecular biologist (me), 2 PhD candidates (nano scientist and a student from biomedical sciences), and 1-2 master students. Your duties will also be to assist in teaching of the Biomedical Engineering Master Program (5-10% work load).

The Department for BioMedical Research and the Institute for Surgical Technology and Biomechanics are well-established Institutions and are embedded into the Medical Faculty of the University of Bern.

The salary is based on the system of the University/Canton of Bern.

Interested candidates apply electronically with a single PDF containing the CV, publication list and three references to the e-mail: benjamin.gantenbein@istb.unibe.ch until **9 Nov 2018**.