



PhD position at the University of Heidelberg in the medical faculty of Mannheim

A PhD position is open at the department of neurophysiology lead by Prof. Treede to validate electrophysiological techniques on human models of pain.

The main objective of the work is to improve the translatability of recordings in pain pathways of healthy subjects and preclinical species.

Starting time: flexible from July 2018 to December 2018

Tasks:

- The successful candidate will investigate the analgesic effects in three different areas of the human nervous system: the brain, the spinal cord and the peripheral nervous system
- Participate in PK/PD modeling of analgesic actions in humans
- Validate electrophysiology techniques in human pain models in EU-funded Randomized Clinical Trials (RCTs)
- Contribute to systematic review papers on diagnostic test for functions of human pain pathways

We are searching for a candidate with the following attributes:

- Holding a university degree that qualifies to enter a German PhD program (Promotion).
- Interest in clinical studies and in performing experiments in human experimental pain models.
- Highly motivated student with interest in human electrophysiology (threshold tracking, spinal reflex and EEG/LEP) methods. Experience in these techniques is desirable, but not a requirement.
- Ability to establish a professional relationship and rapport with the volunteers participating in the clinical study with the result of achieving excellent performance in the human studies.
- Interpersonal skills to facilitate international collaboration with the project partners.

We offer:

- A position in the interesting field of pain research focusing on human studies
- Participation in the European Union funded Innovative Medicine Initiative (IMI) project, IMI-PainCare
- Collaboration with the 40 partners of the IMI-PainCare
- To enter a doctoral program either Dr.sci.hum. or Ph.D.
- A three-year employment contract at the Medical Faculty of Mannheim at the University of Heidelberg. This position includes a full insurance package (accident, health, pension and unemployment). Specifically, it will be a German working contract based on approximately 66 % of the TV-L E13 tariff level

Applications should be sent by email to the supervisor:

Dr.rer.nat. Ombretta Caspani

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Application deadline: 8 June 2018