We are looking for a research fellow/MD-PhD student for a highly innovative project bringing together diabetes research and automotive technology

Inselspital, University Hospital Bern

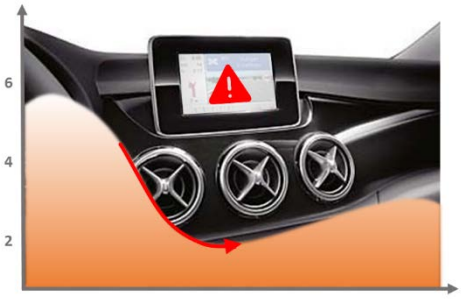
As a leading university hospital with a rich and longstanding academic tradition, the Inselspital as part of the Insel Group is a centre of medical expertise with an international reputation as well as being a first-class academic training and research centre.

University Department of Diabetes, Endocrinology, Clinical Nutrition and Metabolism (UDEM) and Diabetes Center Bern (DCB)

The University Department of Diabetes, Endocrinology, Clinical Nutrition and Metabolism Bern is a high volume tertiary referral centre with over 25'000 consultations annually, offering the full range of modern diabetes treatment. The close collaboration with the newly (2018) established Diabetes Center Bern (DCB), a large (1000 m2) translational research facility located directly on the University Hospital Campus, allows us to perform high-output diabetes research focussing on novel technological approaches, metabolic studies, and particularly aiming at a translational outcome.

Job description

For a highly innovative research project granted by the Swiss National Science Foundation and located at the novel intersection of diabetes and automotive technology we are looking for a motivated and dedicated research fellow with the option to complete an MD-PhD program. The aim of the current research project (performed in collaboration with ETH Zürich and University St. Gallen) is the design and development of a novel automated hypoglycemia warning system in cars to reduce the risk of hypoglycaemia-associated driving mishaps. The candidate is expected to set up the study according to the protocol and in close collaboration with staff from UDEM and DCB, and to perform the hypoglycemic clamps, initially in a driving simulator and thereafter in real cars, under the supervision of an experienced senior researcher.



Commencement of job, workload

Immediately or on availability (start of project will be spring 2019), 100%

Your profile

The candidate should have completed a medical degree and be interested in clinical research and modern diabetes technology. Preference is given to candidates with a background in clinical research and/or diabetes technology, but willingness to embrace a novel and highly innovative research field will be appreciated adequately. Experience in statistics, grant application and ethical proposal is highly welcome.

What do we offer

We offer a highly dynamic and stimulating academic environment in a newly established research facility (DCB) with state-of-the-art facilities and within a multidisciplinary research team consisting of medical researchers, software engineers, information technologists, and statisticians with focus on artificial intelligence. The funding of the HEADWIND project (design and evaluation of a vehicle hypoglycemia warning system in diabetes) is granted by an "SNF Sinergia" grant, thereby translating into the usual Swiss salary conditions for MD-PhD students guaranteed over the project duration (4 years).

Principal Investigator of HEADWIND

Prof. Dr. med. Christoph Stettler
Full Professor and Director, University Department of Diabetes, Endocrinology, Clinical Nutrition and Metabolism (UDEM), University Hospital and University of Bern, Switzerland
Chief Scientific Officer Diabetes Center Bern (DCB), Switzerland

For further information and/or application, please contact

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