The Peter L. Reichertz Institute for Medical Informatics, Campus TU Braunschweig, Germany, is seeking a

Research Assistant / PostDoc (Wissenschaftliche/n Mitarbeiter/in)

in

Sensor-Based Patient-Generated Data Science

Your Challenge: Sensor-based patient-generated data provision results in continuous recordings and massive health data. Recently, novel machine learning approaches (e.g., deep learning) have shown superior performance to analyze such data as compared to traditional approaches, but robust and patient-centered event prediction is still pending. This research position will be focused on ECG and other continuously recording health sensors, aiming at predicting events in near future and generating appropriate alarms before such events actually occur. The test bed of research is accident and emergency informatics, a novel field of research that is currently established at PLRI. Optical eye or (capacitive) ECG monitoring of drivers in the vehicle are just some examples of possible applications of interest.

Your Profile: You have successfully graduated with a Master's Degree (or PhD) in computer science or medical informatics. You have experience in research and you have published outstanding works in medical data science. You are familiar with medical terminologies and semantic interoperability. You are interested to share your expertise with students and you have experience in fund raising. You are fluently speaking and writing English, some knowledge in German language is beneficial but not required.

Our Offer: PLRI is one of the largest university-based centers for medical informatics in Germany. It is linked with the University of Braunschweig – Institute of Technology as well as the Hannover Medical School, one of the largest University Medical Centers in Germany. By common practice, your contract will be limited initially for two years, but after successful evaluation, extension is guaranteed until PhD or Habilitation degree is granted. The position is based at PLRI Campus Braunschweig. Application by women are especially welcome. Salary is paid according to the actual tasks and your qualification but limited within TVL up to Level 14. The position is part-time suitable but should be full time staffed.

Please send your application to

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