PhD Student in the field of Bioinformatics (m/f/d)

The CKDNapp project (Chronical Kidney Disease Nephrologist’s app) is an interdisciplinary collaboration funded as e:Med junior consortium. The consortium develops a clinical decision support system to optimize the treatment of patients with chronic kidney disease (CKD). The project partners cover the fields of medicine, mathematics and computer science. In a previous large-scale study (German Chronic Kidney Disease, GCKD), metabolic and other biomarkers have been collected together with clinical information like therapy and patient outcome. Based on these and other data, we will develop a knowledge management system together with machine learning models to optimize treatment decisions.

Your tasks:

- Implement methods for clinical decisions support
- Integrate metabolic states with patient parameters and disease progress
- Use and develop machine learning approaches
- Develop services to provide the data for the front-end
- Develop an application for use by the medical doctors
- Implement an intuitive and easy-to-use front end for the app
- Use the feedback of the medical doctors to improve the app

Your profile:

- A master degree in bioinformatics, computer science, data science or similar
- Fluent German and English spoken and written
- Good knowledge of some programming languages, e.g. Python, Java, R or JavaScript
- Some experience in front-end development
- Basic understanding of biological and medical processes
- Capability to communicate with people from other knowledge fields
- Interest in interdisciplinary work
- Enthusiasm to discover new fields

Our offer:

- Work in an interdisciplinary project with young scientists
- Student in the Dept. of Medical Bioinformatics with the opportunity for scientific exchange and insight into various bioinformatic fields
- PhD study at the Göttingen Research Campus
- Cooperation with the Helmholtz-Zentrum Munich and the University Medical Centers of Kiel and Freiburg
- Place of employment: Göttingen
- Contract type: Salary according to TVöD-Bund E13, 65% for 3 years

We strive to increase the proportion of women in areas where women are underrepresented and therefore expressly invites qualified women to apply. We are particularly committed to the professional participation of disabled people and therefore welcomes applications from disabled people. In the case of equal suitability, applications disabled persons will be preferentially considered in accordance with the relevant regulations.
We kindly ask you to indicate any disability/equality in your letter of application in order to protect your interests.

If you have any questions, please contact Dr. Jürgen Dönitz 0551 3914927

Please send your application until 21.10.2021 as PDF to:

Institut für Medizinische Bioinformatik,
Dr. Jürgen Dönitz
Goldschmidtstr. 1
37077 Göttingen

E-Mail: office@bioinf.med.uni-goettingen.de

We would like to point out that submitting your application constitutes your consent under data protection law to the processing of your data as part of the application procedure.