The School of Medical Sciences at Örebro University, Sweden, is seeking:

**Postdoctoral Researcher (2 positions) in Statistical Bioinformatics – Machine Learning for Genomic Medicine**

These positions are part of the research group **Functional Bioinformatics** (https://www.oru.se/english/research/research-teams/rt/?rdb=g206) and closely associated with the **Cardiovascular Research Centre** (CVRC: https://www.oru.se/english/research/research-environments/mh/cardiovascular-research-centre-cvrc/) as well as the **Nutrition-Gut-Brain Interactions Centre** (NGBI: https://www.oru.se/english/research/research-environments/mh/nutrition-gut-brain-interactions-research-centre-ngbi/) at the School of Medical Sciences.

**Duties and responsibilities**

Bioinformatics data analysis and research, implementing and further developing appropriate data analysis algorithms and workflows in genomic medicine, as well as systems biological modelling approaches. Different levels of functional data are available from large cohorts in Sweden, together with clinical data and outcome data on cardiovascular and intestinal dysfunction. Statistical bioinformatics and functional systems biological modelling methods will be applied and further developed in order to better understand the ongoing regulatory cross-talk in these kind of systems, with inflammation as key component, as well as contributing to improved diagnostic/prognostic signatures.

**Eligibility**

Eligible for the appointment as postdoctoral researcher are applicants holding a doctoral degree in bioinformatics or in related subject areas (especially from computer science, statistics, epidemiology, physics, mathematics). We are looking for you who has experience in the field of bioinformatics data analysis of molecular and clinical data. Important competences include programming in R/python/matlab/julia, a sound background in statistics and machine learning, as well as experiences in systems biological modelling approaches in medical research.

General assessment criteria include good interpersonal skills and an ability to cooperate as well as the ability and suitability otherwise required to perform the duties well.

**Equality**

Our ambition is to create a place of work that is characterised by gender equality and diversity.

**Information**

The positions are a full-time (100 %) for a fixed term of two years (with possible extension). The salary depends on the successful candidate’s qualifications and experience.

For more information, please contact Dirk Repsilber: dirk.repsilber@oru.se (http://www.oru.se/English/Employee/dirk_repsilber/) and apply directly at Örebro University’s website.

**Application**

The application is made online: https://www.oru.se/english/working-at-orebro-university/jobs-and-vacancies/job/?jid=20190422

Click the button "Apply" to begin the application procedure (please note that this feature does not work on mobile phones or tablet computers).
For the application to be complete, the following electronic documents must be included:

- Covering letter
- CV
- An account of research qualifications
- Copies of relevant course/degree certificates and references
- Scientific publications for consideration (maximum of 10)

Only documents written in Swedish, English, Norwegian and Danish can be reviewed.

The application deadline is 15.02.2020. We look forward to receiving your application!