Clinical Researcher in machine learning for electronic health records and diabetes epidemiology at Steno Diabetes Center Aarhus, Aarhus University Hospital

Steno Diabetes Center Aarhus (SDCA) is recruiting a full-time (37h/week) clinical researcher for a time limited position for 3 years and starting date is Sept 1st 2025 or as soon as possible.

Job Description
SDCA brings together all aspects of diabetes treatment, clinical diabetes research and education under the same roof, thereby offering more integrated treatment in an environment with world-class scientists and physicians.
We are seeking a highly motivated clinical researcher to develop a patient-centered research line in machine learning and diabetes epidemiology focusing on the innovative use of electronic health records and large language models. The tasks may include, but are not limited to

- Identify good matches between the latest methodological developments in machine learning and clinical needs
- Design and execute research studies, and participate in innovation processes to pursue implementation
- Build bridges between SDCA Research, Clinic and Innovation units
- Disseminate findings in written publications, at scientific conferences, and to stakeholders from the healthcare sector
- Contribute to planning and management of local cohorts and their linkage to the Danish registers
- Mentoring and supervision of PhD and pre-graduate students
- Contribution to the strategy of the group e.g. by planning activities (e.g. workshops, seminars) in a cross-disciplinary environment between data science and diabetes research
- Contribution to educational activities to disseminate best practices in data science and open science to a broad audience (incl. clinicians) both at Steno Diabetes Center Aarhus and beyond
- Apply for further funding to establish own research line.

Selection criteria

- Qualifications as a medical doctor and a PhD from diabetes epidemiology (some years of postdoc experience is an advantage)
- Research experience in machine learning (in the health domain) and diabetes epidemiology (incl. publications and contributions at international conferences)
- Hands-on experience with data science projects using machine learning and health data
- Familiarity with the Danish registries and the Danish health data infrastructure
- An analytical mindset combined with a clinical understanding of diabetes care (clinical experience is an advantage)
- Experience with project management and open science principles and tools (e.g. GitHub, Quarto)
- Advanced programming experience in R and preferably also in Python (package/library development is an advantage)
- A genuine interest for the latest developments in AI (specifically LLMs) and a passion for data science
- Excellent English and Danish communication skills, both written and verbal
- An enthusiastic, dedicated and collaborative attitude.

Relationships

- The holder of the position will be responsible to and primarily report to Adam Hulman, Senior Researcher, Associate Professor, and leader of the Machine Learning Research Group at

SDCA

- The holder of the position is expected to interact with staff at all levels, both internally and externally, regarding relevant research topics.

Highly motivated and ambitious candidates are encouraged to apply. In all cases, ability to perform the job will be the primary consideration, and thus we encourage all – regardless of their personal background and status – to apply.

Employment Conditions

The successful candidate will be employed at SDCA. SDCA is part of Aarhus University Hospital in Central Denmark Region. Place of employment will for the present be at Aarhus University Hospital. Salary is in accordance with current agreement.

How to apply?

Candidates should **systematically** address the selection criteria in the cover letter. Deadline for application is July 31st. You can apply by using the link "Send ansøgning" below. Please attach a cover letter and a CV etc.

Interviews will be held Thursday August 7th.

Questions

For further information regarding this position, please contact Associate Professor and Senior Data Scientist Adam Hulman: adahul@rm.dk / 23 70 74 81.

Read more

- Machine Learning & Clinical Prediction Lab
- Steno Diabetes Center Aarhus, Research
- Steno Diabetes Center Aarhus - summary
- Central Region Denmark
- Aarhus University Hospital

Background – what is Steno Diabetes Center Aarhus

Central Denmark Region has established the Steno Diabetes Centre Aarhus (SDCA) with a donation from the Novo Nordisk Foundation of 1.4 billion DKK. SDCA will play a central role in increasing efforts in diabetes in both Central Denmark Region, nationally and internationally.

SDCA is consolidating as one of the world's leading research environments in clinical diabetes research in collaboration with Aarhus University (AU), the other Steno Diabetes Centers and other Danish and International research environments; in this way, SDCA will play a pivotal role in diabetes research focused on new efforts in treatment and prevention.

The center is located at and is organizationally a part of Aarhus University Hospital (AUH).