Call for Master Students for Projects in Bioinformatics

We are looking for several motivated and engaged **MSc students** to create the world's first ML models for personalized diagnostics and treatment using patients' genetic data. We are offering **6-12 month projects, starting autumn 2019**, with near unlimited potential for follow-up studies.

We are a rapidly developing scientific group with a strong foundation and more than 15 years of successful scientific history (http://bit.ly/CBMR-Hansen).

We are doing state-of-the-art research in human genetics to:

- discover the genetic causes of human diseases, and
- create clinically applicable analyses.

You will:

- generate polygenic risk scores of common diseases using standardized approaches,
- improve the scores' predictive power by developing novel score-generation algorithms,
- study the biology of the diseases using machine learning approaches,
- create a new generation of analyses by packaging your research as stand-alone software packages.

You are a perfect match, if you:

- have a background in computer science / bioinformatics / computational biology / biology,
- can write effective but readable code in python or R, and navigate in bash (terminal),
- speak up when you think, that your supervisor is wrong.

You will get the most out of the project, if you:

- have experience in scientific python (pandas, scipy, sklearn) and ML (Random forests),
- are familiar with version control systems (Git),
- had courses in genetics and molecular biology or medicine,
- work well in a team of like-minded people.

We offer you:

- a cutting-edge research project in human genetics,
- helpful teaching in programming and day-to-day mentoring by experienced colleagues,
- great view of Copenhagen from your working place and unlimited access to a coffee-machine.

If you are interested in joining, or have further questions,

Contact PhD fellow Dmitrii Borisevich, dmitrii@sund.ku.dk ,

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