Would you like to write your Master Thesis at a biotech company?

*Nordic Bioscience offers a Master thesis project focusing on statistical learning for precision medicine starting primo 2019*

**Background**

Precision medicine is the customization of healthcare and treatment protocols for individual patients or certain patient profiles. Biomarkers can help target patients during drug development in order to help to identify subgroups of patients with different stages or more likely to respond to a treatment. Nordic Bioscience has developed different serological biomarkers which are predictive of disease activity (Karsdal et al., 2014). Together with other clinical variables, the Nordic Bioscience biomarkers can help to improve the disease prediction and subgroups identification.

**The project**

The aim of the project will be to review and investigate different statistical methods to combine Nordic Bioscience biomarkers with other clinical variables. Based on previous work done at Nordic Bioscience (Daniels et al., 2018), you will investigate a wide range of statistical learning methods (from logistic regression to more advanced methods developed for precision medicine (Huang et al., 2017)). The investigations will be made with data from the different diseases investigated by Nordic Bioscience: liver fibrosis, lung fibrosis or arthrosis. You will also make the software implementation of the recommended statistical method. If applicable, you will write a paper about your finding as publications are of high priority at Nordic Bioscience.

**You**

You are a highly motivated Master student with a background in data science, statistics or alike. You have experience programming, preferably with R. You are interested in applying your statistical knowledge to biological and you work in collaboration with scientists with a biological background. We are happy to welcome you at Nordic Bioscience, where you will find a dynamic environment that will both teach you the scientific and the commercial aspect of the biomarker’s development. You will be supervised by Sophie BIROT, Statistician at Nordic Bioscience.

**The company**

Nordic Bioscience is a biotechnology company specializing in the discovery, development and commercializing of biomarkers for various diseases such as osteoarthritis, cancer, diabetes and liver/kidney/lung fibrosis. Nordic Bioscience has more than 25 years of experience in ECM research and covers the process from basic research to clinical trial.

**How to apply?**

The application should include a few motivational lines about yourself, a transcript of grades, and CV. If you are interested, or want to hear more about writing your master thesis at Nordic Bioscience, please contact: Sophie BIROT, Statistician, email: sbi@nordicbio.com

**References:**

