Master thesis
Serological biomarkers aiding in understanding the biology of haemophilia arthropathy

The Haemophilia group at Nordic Bioscience is looking for highly motivated and enthusiastic research students to do an industrial master

The project:
Haemophilia is a X-linked inherited recessive clotting disorder involving lack of clotting factor VIII or clotting factor IX, causing patients to suffer from spontaneous hemorrhage in joints. Progressive joint destruction (arthopathy) is a severe concern for haemophilic patients leading to pain, disability and loss of joint function. Joint arthropathy is complex and involves tissues of the entire joint, including bone, cartilage and synovium. To date no biomarkers are commonly used for assessing and quantifying joint destruction. The aim is to gain insight into the biological and pathology of haemophilia arthropathy through the development of novel serological biomarkers that can assess and monitor joint status in early arthropathy. This may provide novel insights into the processes leading to joint destruction and begin to assist in predicting joint destruction and potential efficacy of intervention.

The methods applied will include:
- Screening and culturing of hybridomas for antibody production
- ELISA development
- Western blotting
- In vitro protein-cleavage-assays

Depending on your progress and wishes, other techniques may be included as well.

What do we expect?: As a master student at Nordic Bioscience you are expected to show a high level of engagement. You will be working on the project for approximately one year full-time, in order to obtain a satisfactory result. A good level of English is required. Laboratory experience and statistical knowledge is an advantage. Preferable you are a student enrolled in Human Biology, Molecular Biomedicine, Biology, Biotechnology or Biochemistry.

Company profile: Nordic Bioscience is an expanding biotech company with a strong focus on developing novel biochemical markers for diagnosis and prognosis of major human diseases. You will be part of a young and ambitious team with a high publication rate. We offer an attractive research environment with students and close contact with your daily supervisor.

Contact: If you are interested in joining us please send your CV (+academic track record) with a letter of motivation to Tina Manon-Jensen, PhD (tmj@nordicbioscience.com). For any questions please contact Tina Manon-Jensen, phone +0045 4452 5218.