

PHD Student in Bioinformatics

Under the umbrella of the German Center for Lung Research (DZL), the Hannover partner site, BREATH, is expanding its Bioinformatics-based research capabilities by seeking a PHD candidate in Bioinformatics starting January 1st, 2018.

BREATH is partner to projects involving the application of Genomics technologies including metagenomics, whole genome and exome sequencing, RNA-seq, among others to lung diseases such as cystic fibrosis, chronic obstructive pulmonary disease, idiopathic pulmonary fibrosis, lung transplantation as well as rare genetic disorders. Here, there is a strong emphasis on translational medicine, and as such the thesis work will be focused on developing the analytical methods necessary to successfully interpret *omics results in a way that leads to the insights into lung disease biology that are necessary to identify targets for functional follow-up studies and therapeutics development.

Basic Requirements

- Undergraduate degree in Molecular Biology, Computer Sciences, Statistics or Mathematics or other related field.
- Analytical ability founded either in statistics, mathematics, or computer science principles
- Proficiency in at least one programming / scripting language such as python, c/c++, Java, R, perl etc.

Desired Qualifications

- Previous experience in Bioinformatics (desired, but optional)
- Experience working with Next Generation Sequencing technologies (desired, but optional)
- Expertise in at least one of the relevant interdisciplinary pillars: genetics, molecular biology, statistics computer science, mathematics (at least one is required)

Important Characteristics

- Strong drive and interest in interdisciplinary approaches
- A thirst for knowledge
- Enjoyment of working in a team
- A desire to hold one's self to the highest standards of professional and academic excellence

The position is associated with a three year contract. Compensation is dictated by the guidelines TV-L E13 at 50%. The MHH is committed to supporting the professional careers of women and applications from women are particularly desired. People with disabilities will be preferred when their qualifications match or exceed those of other applicants.

Please direct inquiries to Dr. David DeLuca, Tel. +49 511-532 7873.

Send your applications by email to DeLuca.David@mh-hannover.de or by mail to

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