

Wissenschaftliche Hilfskraft (WHK/WHB) 6-17h/Woche

Reference number: LP608

Location: Cologne Center for Genomics, University of Cologne

Job description: Computational support for scientists in the Lal Group

The Lal Group at the Cologne Center for Genomics, is looking for a qualified, highly-motivated and team-playing candidate. The group launched multiple projects to computationally predict the function of genetic variants identified in very large patient and control data sets. The selected applicant will work in an interdisciplinary environment with computational biologists and clinicians who aim to unravel the genetic architecture of neurodevelopmental disorders. The candidate will join Dr. Lal and Prof. Dr. Nürnberg's group to perform big-data analyses and provide computational support in collaboration with computational biologists who are developing novel genetic variant interpretation tools. The responsibilities also include advancing programming skills of biologists in the group. The Lal group is working closely with groups at Harvard University and the candidate is expected to participate in weekly online group meetings.

Publications of the group:

<https://www.ncbi.nlm.nih.gov/pubmed/?term=Peter+Nürnberg>

<https://www.ncbi.nlm.nih.gov/pubmed/?term=Dennis+lal>

<http://biorxiv.org/search/Dennis%252BLal>

Key responsibilities:

- Computational support in the analyses and method development for the joint analysis of genetic and clinical data
- Organizing and integrating new datasets and synchronizing with existing datasets and databases
- Advancing biologists' programming skills in R and Python
- Actively participating in project team meetings

Requirements:

- B.S. [or higher] in computer science, mathematics, statistics, bioinformatics, or other quantitative discipline
- Proficiency with R and Python, UNIX and Perl skills
- Experience with biological datasets and relevant algorithms
- Good English communication skills (oral and written)

For questions and applications (including a short cover letter and CV) please contact:

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