

The Department of Neurology is seeking a

# Bioinformatics and Data Scientist (f/m)

for Cross-Omics-Data analyses

initially limited to 2 years

, full time (38,5 hours/week) | salary according to TV-L

## About us

The University Medical Center Göttingen is a tertiary care center and offers great development potential. Its 7,700 employees work in over 65 departments and facilities to provide top-quality patient care, excellent research and modern teaching. Göttingen, "City of Science", located near the center of Germany, the University Medical Center Göttingen is embedded in the city's attractive network of scientific research facilities.

The UMG, the University Medical Center Goettingen, is a hotspot for clinical and experimental Neurology. Several departments form a Neuroscience Unit with Departments of Neurology, of Clinical Neurophysiology, of Neurosurgery and of Neuropathology. Clinical and experimental studies in patients with Parkinson's Disease take place in all departments including deep brain stimulation in neurosurgery and histopathology in the Dept. of Neuropathology and  $\alpha$ -synuclein research in the Dept. of Neurology. The Parkinson Center Göttingen/Kassel (<http://www.parkinson-zentrum.info/>) links the UMG with the Paracelsus-Elena-Klinik in Kassel. The center which is following several cohorts is part of the Parkinson Progression Marker Initiative ([www.ppmi-info.org](http://www.ppmi-info.org)) and supported by the Michael J. Fox Foundation for Parkinson's Research.

## Preferred Selection Criteria and Job Description:

- Profound knowledge in bioinformatics and statistics
- Development of bioinformatic methods for the analysis of cross-omic data of available cohort studies for biomarker research of Parkinson's disease
- Experience with cross-omics data (including complex genetic and imaging data)
- Experience with harmonizing data of different cohorts
- Statistical analyses of "big data pools"
- Support with programming/optimizing available software systems for data capture in cohort studies
- Change of data capture of a cohort study from paper source to eCRF

## Required Criteria:

- Master degree in bioinformatics, statistics, mathematics or physics
- PhD or at least three year of working experience
- Experience with programming and development tools as well as harmonizing data from different sources
- Experiences with the statistics software R
- Expertise in data integration and statistics, know-how in machine learning and KI
- Excellent English orally and in writing is a must, knowledge of the German language would be a plus
- Possibilities for professional training and qualification or "habilitation" are given

Women are especially encouraged to apply. Applicants with disabilities and equal qualifications will be given preferential treatment.

We look forward to receiving your application by July 31st, 2018:

University Medical Center Göttingen  
Department of Neurology

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Please send your application via e-mail in PDF-format  
or via mail in copy and not in folders.

Travel and application fees cannot be refunded or  
transferred.