



Job offer 48/22

The Leibniz Institute **DSMZ**-German Collection of Microorganisms and Cell Cultures GmbH, Braunschweig offers an open position for a

Bioinformatician (m/f/d) in the field of Natural Language Processing (NLP)

The position has a salary level up to TV-L 13 according to the qualification. The position is offered as full time (39.8 hours per week) and is initially limited to 2 years (after which this will become a **permanent position**).

The Background:

To build a global biodata resource center the Leibniz-Institute DSMZ establishes an integrated



DSMZ
DigitalDiversity

suite of scientific databases of fundamental relevance for the life sciences. The databases include **BRENDA**, **SILVA**, **LPSN**, **BacDive** and **TYGS** which are developed in a highly coordinated manner. A dedicated team of **22** scientists and software engineers builds a common research data infrastructure to improve the access to a plethora of curated and standardized biological data significantly. The resulting data platform **DSMZ Digital Diversity** will provide an integrated resource and will allow to link and comprehensively analyze the different types of scientific data from all domains of life sciences. For more information visit stb.dsmz.de.

Your Task:

You will apply your experience in Natural Language Processing to make data available for the *DSMZ Digital Diversity*. You will use text mining approaches and NLP to process scientific publications for intelligent information retrieval. As a member of a small, dynamic team, you will build an annotation platform. Your work will help annotators to capture data sets faster and in a more targeted manner, thus forming an important foundation for the growth of *Digital Diversity*. You will also use the experience gained in this project in other projects and in knowledge transfer within the institute.

Your Profile:

- Degree in bioinformatics, computational linguistics, computer science, or a similar qualification
- Practical programming experience in Python or Julia, knowledge of JavaScript and database systems is beneficial
- Methodological knowledge in the preparation of text data (normalization, tokenizing, POS tagging, parsing) and first experiences in the use of common NLP frameworks (e.g. CoreNLP, spaCy, Flair, huggingface)
- Methodological knowledge of Machine Learning/ Deep Learning for NLP, practical experience with corresponding frameworks (e.g. Tensorflow, pyTorch) is beneficial



- Git is no foreign word to you
- Fluent in English / knowledge of German is beneficial
- You are communicative, able to work in a team and willing to learn
- You are interested in interdisciplinary work in a dynamic team

We offer:

- The chance to contribute to the development of a global research infrastructure, to contribute own ideas and conceptions, and to work in a young and dynamic team
- An interdisciplinary working environment with frequent exchange of experience
- Motivated colleagues and a pleasant working atmosphere in the scientific area
- Participation in the selection of personal hardware
- Flexible working hours, possibility of home office
- Opportunities for further education and training
- An employer certified according to audit berufundfamilie®, therefore flexible possibilities to combine work and family life

This position is located in Braunschweig, Germany.

The DSMZ is funded by the State of Lower Saxony and the German Federal government and is a member of the Leibniz Association. The DSMZ strives to increase the proportion of female scientists and encourages female candidates to apply. Disabled applicants with identical technical and personal qualifications will be preferentially selected. The DSMZ is an equal opportunity employer, supports balanced work-life career development, and holds the certificate of the audit berufundfamilie®.

For further information please contact Lorenz Reimer (lorenz.reimer@dsmz.de). Please send your complete application documents including a CV, motivation letter, copies of certificates, possible references with application number **48/22** as a single pdf file to bewerbung@dsmz.de (max 10 MB).

Applications are welcome in English or German and will be accepted on a rolling basis so early applicants are encouraged!

The deadline for this application is January 6th, 2023, but we may continue to review applications until the position is filled.