Employment ad 12

12.02.2020

We are

The Max Rubner-Institut (MRI) is a research institute within the remit of the Federal Ministry of Food and Agriculture. It is specialized in the areas of nutrition of infants, children and adults, the prevention of diet-related diseases, nutritional behaviour, food and bioprocess engineering, microbiology and biotechnology, as well as safety and quality of foods. The main research activities relate to health aspects and consumer health protection in the nutrition sector. Currently, the National Reference Centre for Authentic Food (NRZ Authent) has been established as a new key responsibility. As an independent higher federal authority, the MRI also undertakes national tasks in the context of the Agricultural Statistics Act and the Precautionary Radiation Protection Act. In addition to its headquarters in Karlsruhe, MRI also has locations in Detmold, Kiel and Kulmbach. Apply now and become a part of this scientific network: www.mri.bund.de.

We are looking for a

Scientist/Microbiologist (m/f/d)

Job description

The main responsibility of the candidates' research at the Department for Microbiology and Biotechnology located in Kiel, Germany, will include the study of bacterial viruses, i.e. bacteriophages. The research tasks in this area deal with the genetics and systematics of virulent and temperate bacteriophages, as well as isolation of novel bacteriophages from environmental and human faecal samples. Further responsibilities include analyses of the phageome of the human gastrointestinal tract and the influence of bacteriophages on the composition of the gut microbiota. The use of bacteriophages for biocontrol of foodborne pathogens in challenge experiments is a further research task. The candidate is expected to initiate research on other foodborne viruses. Responsibilities furthermore include the publication of research results and application for further research grants.

Your profile

Mandatory requirements:

- a successfully completed master / or doctoral study (PhD, Dr. rer. nat.) with focus on microbiology or molecular biology
- experience in work with bacteriophages including phage genetics and phage biology
- experience with isolation of viruses, phage DNA, RNA and proteins
- good bioinformatics and computer skills

Preferable are:

- a completed doctoral study (PhD or Dr. rer. nat.)
- a basic knowledge of the German language and speaking abilities
- experience with isolation of and research on human gut phages
- experience in working with risk group 2 bacteria
- experience with genetical modifications of bacteria and phages including knock out mutations and gene expression systems
- bioinformatic skills including analyses of genomic and metagenomic data
- experience with grantsmanship and publication of research results

Aside from independent and responsible working methods, as well as the ability for inter and intra disciplinary collaboration, a high degree of motivation, personal commitment, team spirit and a willingness to cooperate are also required.

Our offer

We are offering at the earliest possible date a temporary full-time position for the duration of maternity leave and any subsequent parental leave at the Kiel location of the Max Rubner-Institut. The weekly working hours are presently 39,0. The employment contract is subject to the regulations of the civil service collective wage agreement (TVöD-Bund). Payment of remuneration will be made according to pay grade 14 TVöD if personal and tariff requirements are fulfilled.

The Max Rubner-Institut is as a family-oriented employer and therefore welcomes applications of persons with family responsibilities. Flexible work hours and part-time models promote reconciliation of work and family life.

Are you interested?

If you are interested, please send your complete and compelling application, preferably by e-mail in one pdf file, in particular with motivational letter, curriculum vitae, complete description of vocational and professional career as well as copies of certificates (school, university and qualified job references) indicating **reference number 12** by **11.03.2020** to the central application unit of the Max Rubner-Institut at the Kiel location

E-Mail: karriere@mri.bund.de

Missing documents (particularly required certificates) can lead to the exclusion from the application process.

Please do not include original certificates with your written application, as application documents will not be returned to you.

General information

The Max Rubner-Institut strives for professional equality between women and men.

The Max Rubner-Institut is committed to inclusion. Applications of persons with severe disabilities are therefore explicitly encouraged and will be given priority in the selection process.

The position is generally suited for part-time work.

With **foreign educational qualifications** we are asking you to send us supporting documentation regarding the classification into the German educational system. Please obtain further information on the website of the Central Office for Foreign Education (ZAB) www.kmk.org/zab.

Our homepage www.mri.bund.de/de/karriere/stellenanzeigen offers information regarding the privacy policy of the staff appointment procedures of the Max Rubner-Institut.

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Technical issues Prof. Dr. Charles Franz Phone: +49 431 609 2340