

Job advertisement 28

06.04.2017

We are The Max Rubner-Institut (MRI) is a research and advising institution of the Federal Ministry of Food and Agriculture (BMEL) in Germany. We are mainly working in the fields of nutrition, food processing and bioprocess engineering, microbiology and biotechnology as well as the safety and quality of food. The research and advising activities focus on consumer health protection in the areas of nutrition and food. As an independent higher federal authority we also fulfil tasks in the frame of the Agricultural Statistics Law and the Precautionary Radiation Protection Act. The central office of the MRI is located in Karlsruhe and further MRI sites are in Detmold, Kiel and Kulmbach. Apply for the open position and become part of this scientific network: www.mri.bund.de.

We are searching for a Research assistant

Your assignment At the MRI Institute for Safety and Quality of Meat in Kulmbach and in the frame of the research project “Strategies for salt reduction in meat products“ sponsored by the Federal Office for Agriculture and Food (BLE) as part of the BMEL Innovation Program a study on the potential of different marketable salt substitutes in meat products is undertaken. In this project, the principles of new strategies to produce meat products of high quality with a significant reduced salt content will be worked out. This project is divided in three sub-projects, so that a close scientific exchange between the sub-projects and among the different involved scientists takes place. This project is performed against the backdrop of the so called BMEL reformulation of food initiative within the context of consumer health protection.

In the sub-project “Influence of low molecular compounds and ions on the saltiness feeling in meat products“ the effect of natural or new during the production process formed compounds such as purines, amino acids and low molecular peptides on the perception of saltiness will be analyzed. In order to do so, potentially adequate flavor-enhancing compounds will be chosen and their effectiveness tested in a first step in model systems by using appropriate mathematical models. Thereafter, the influence of different manufacturing processes and product parameters on the actual suitability of the compounds as salt substitutes in meat products by considering synergistic/antagonistic effects will be assessed.

Your profile It is assumed that the candidate:

- has a Master’s degree in food technology, food chemistry, biology, biophysics or in an equivalent university course
- is able to independently perform scientific studies including the planning, performance, analysis and the scientific exploitation of the obtained results
- has good mathematical knowledge, particularly in mathematical modelling of data and in multivariate statistics
- has good communication skills in speech and writing in English, a pronounced ability to work in a team, a strong motivation as well as resilience.

It is an advantage if the candidate:

- has completed his doctoral studies
- has a fundamental understanding of the molecular aspects regarding taste perception and the performance of sensory tests

Our offer We offer you at the earliest possible date a full-time position limited for 24 months at the MRI Institute for the Safety and Quality of Meat in Kulmbach. The working time is 39.0 hours/week. The employment contract is based on the regulations of the labour agreement for the public service (TVöD-Bund). If the personal and tariff requirements are fulfilled, the salary will correspond to the 13 TVöD pay grade.

Are you interested? If you are interested, please send us your application, preferentially per E-Mail as a pdf file, with complete and meaningful application documents, in particular a letter describing your motivation to apply for the open position, your curriculum vitae in table form, a complete description of your university education and employment career as well as copies of your school and university certificates and employment references under the reference number 28 ("**Kennziffer 28**") until the **28th of April 2017** to the central applicant office at the MRI in Kiel, Germany:

E-Mail: karriere@mri.bund.de

Missing documents (in particular the necessary certificates) may lead to your exclusion from the application process.

Please do not submit original documents, since the application documents will not be sent back.

Relevant information The Max Rubner-Institut supports the professional development of women and strongly encourages them to apply.

Applicants with a disability will be specially considered in case of equal qualifications; in this case, a minimal physical fitness is expected.

A part-time employment is principally possible.

In the case of **foreign educational certificates** please send us the Statement of Comparability for Foreign Higher Education Qualifications that you can obtain from the Central Office for Foreign Education ("Zentralstelle für ausländisches Bildungswesen" - ZAB). The Statement of Comparability is an official document issued by the ZAB that describes a foreign higher education qualification as well as its professional and academic usage. For further information, please go to <https://www.kmk.org/kmk/information-in-english.html>

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Disclaimer The English version is a translation of the original German job advertisement. In the case of a discrepancy, the German job advertisement is valid.