

We are looking for an active, highly qualified

## **PHD STUDENT (m/f)**

### ***Preventive Medicine***

***Ref.Nr. SK46***

with the ability to work independently and as a member of an international research team.

The PhD topic is in the field of preventive medicine. The aim of the research is to investigate the applicability of the response of extra-oral bitter taste receptors' to bitter tastants for preventive and personalized medicine. This research deals with the identification of extra-oral bitter taste receptors in defined in vitro cell cultures, and screening bitter molecules with different chemical structure to explain the receptor-ligand interaction and mechanism of response in details. The results will be used to develop and to validate computational predictive molecular models.

#### **REQUIREMENTS:**

- Master's degree in molecular engineering, molecular biology, analytical chemistry and relevant fields
- Knowledge in cell culture and/or sensor technology and/or molecular modeling
- Fluency in English
- Analytical thinking
- Independence and confidence
- Commitment
- Time management and organizational skills

#### **WE OFFER**

- a multidisciplinary and dynamic research environment and access to highly modern infrastructure on campus of Graz University of Technology,
- options for career development at the academic and industrial level, and
- a competitive salary (2.500,-min. gross/month).

We are looking forward to receiving your application via email to [sandra.resl@rcpe.at](mailto:sandra.resl@rcpe.at) by indicating the Ref. Nr. and including a cover letter, your CV including previous work experience and publications and an abstract in English of the master's thesis!

#### **Research Center Pharmaceutical Engineering GmbH**

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