



We are Austria's largest Research and Technology Organisation and an international player in the research areas that we cover. This makes us a leading development partner for industry and a top employer in the scientific community. Our **Center for Health & Bioresources** is looking for a new Ingenious Partner for our location in Seibersdorf:

## Junior Scientist (m/f) for PET imaging and data analysis (part-time)

### IMAGINE

- Membrane transporters play a crucial rule in drug disposition. An upcoming technique to visualize the action of transporters at work in the living organism is positron emission tomography (PET) with radiolabeled transporter substrates. So far, most efforts in elucidating the role of transporters in drug disposition have focused on the blood-brain barrier and on excretory organs such as the liver.
- In the present project funded by the Lower Austria Corporation for Research and Education (NFB), we will investigate the influence of selected ABC transporters (MRP1, P-gp and BCRP) on pulmonary disposition of inhaled radiotracers. This is of great interest, because transporters are expressed with high abundance in pulmonary epithelial cells forming the air-blood barrier and many drugs which are administered via the pulmonary route are recognized by these transporters, so that transporters may contribute to variability in pharmacokinetics and pharmacodynamics of inhaled drugs.

### ENGAGE

- Planning and conducting of preclinical PET/MR studies.
- Data analysis of the performed PET/MR studies.
- In-vitro transporter experiments.
- Publication of the results in peer-reviewed journals.

### ACHIEVE

- You will contribute to the development of new PET imaging protocols to measure the transport activities of major ABC transporters in the lung.

Your qualifications as an Ingenious Partner:

- Master degree/PHD or equivalent in a life sciences related subject (e.g. pharmacy, pharmacology, molecular biology, genetics, chemistry, etc.)
- A solid background in laboratory work, ideally transporter-related work, experience with standard techniques (e.g. western blot, immunohistochemistry, PCR, transport experiments)

Your salary:

The minimum gross annual salary on a full-time basis according to the collective agreement is EUR 41.454,00. Higher pay is possible depending on your qualifications and experience.

TOMORROW TODAY – WITH YOU?

Then submit your application documents, including certificates and photo to:

Mrs. Mag. Marie Theres Raberger, MSc, Recruiting  
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