TRON

SCIENTIST DIGITAL IMAGING (m/f/d)

Full time - Mainz

We are excited to invite a talented and driven individual to join our **Spatial Biology** unit to start as soon as possible. The successful candidate will develop image analysis pipelines for multiplex and highplex IHC, contribute to exciting ongoing projects, and collaborate with experts in the field to push the boundaries of what is possible.

Our Spatial Biology Unit is part of Technology Research Center in TRON, aiming to strengthen identify and validate novel biomarkers involved mainly in cancer but also in other diseases. The unit supports the projects of TRON and industrial/academic cooperation partners with its expertise on histological and spatial biology assays to analyse and validate new biomarkers in spatial context, deepen the knowledge in tumor microenvironment, and investigate biodistribution and expression of mRNA-based vaccines.

Your tasks and responsibilities:

- Development and optimization of image analysis pipelines for multiplex/highplex IHC experiments
- Working in multi-disciplinary project teams, you will collaborate with scientists in various areas and provide expert knowledge
- Contributing in training of technical personnel and students on cutting-edge devices and maintenance of those devices
- Maintaining awareness of new/emerging techniques and tools relevant to the field, literature screening
- Writing standard operating procedures, articles, R&D reports

What you bring:

- A Ph.D. degree in life sciences, preferentially in immunology or cancer biology
- A solid basis and hands-on direct expertise in histology, microscopy, and other related techniques (in situ hybridization)
- Proven collaboration and communication skills in a multidisciplinary environment
- Good organization skills and attention to details
- Flexibility to adapt to changing projects and organizational priorities, and consistently aligned with departmental needs
- Strong experience with image analysis softwares (QuPath, Visiopharm, HALO) and digital imaging
- First hands-on experience on analysis of spatial transcriptomics data is an advantage
- Prior experience in programming languages (R & Phyton) and Artificial Intelligence softwares applied to whole slide imaging is a plus

Enthusiasm and curiosity for the diverse activities of our research institute as well as the ability to work in a team completes your profile.

We offer:

- A dynamic, innovative and creative research environment
- An open, collegial and cordial working atmosphere in a respectful corporate culture
- A high degree of diversity in the workforce
- Flat hierarchies
- Performance-related remuneration and other benefits
- The opportunity for personalised further training
- Good transport connections by public transport and car as well as bicycle parking spaces
- The opportunity for hybrid working

TRON is an internationally recognised institute for application-oriented research. We combine the strengths of academic research with the requirements of quality-controlled industrial developments. At TRON, we share a common mission to develop innovative solutions for the immunotherapeutic treatment of cancer, infectious diseases and other serious diseases with high medicinal need for development.

TRON was founded in Mainz in 2010 and works in close cooperation with universities and hospitals as well as with regional, national and international research institutions and pharmaceutical companies.

As part of our team, you have the opportunity to be at the forefront of translational science with us.

If all this appeals to you, we look forward to getting to know you.

Please send us your complete and informative application documents (cover letter, CV, references) in a single document of max. 5 MB by e-mail to Human Resources at **jobs (at) tron-mainz.de**, Job-ID: *51001-24-03-WAPRO*.

For more information, visit our homepage at www.tron-mainz.de