

Austria's leading company - CBmed is a center for biomarker research in medicine with headquarter in Graz. It links excellent research infrastructure, scientific expertise, medical knowledge, national and international industry partners for systematic medical biomarker research.

We are seeking a highly motivated

Scientific Researcher / Research Engineer (f/m/d)

part-time, 14 hours per week for 12 months to join an interdisciplinary project at the intersection of Artificial Intelligence, Clinical NLP, and Precision Oncology. The project focuses on triple-negative breast cancer (TNBC) and investigates how large language models (LLMs) can transform pathology reports into clinically meaningful features to support personalized treatment prediction.

The successful candidate will contribute to the development of an LLM-based extraction pipeline, the integration of pathology-derived features with structured clinical data, and the development of interpretable predictive models. The role is ideal for someone interested in research, scientific publishing, reproducible AI, and clinically impactful applications of machine learning.

Your tasks and responsibilities:

- Develop and evaluate LLM-based information extraction pipelines for pathology reports
- Design validation and quality-control workflows for extracted clinical features
- Integrate pathology-derived features with structured clinical metadata
- Develop and evaluate predictive and interpretable machine learning models
- Contribute to scientific publications, technical reports, and dissemination activities

Expected skills and abilities:

- Master's degree in computer science, Data Science, Bioinformatics, Medical Informatics, Biomedical Engineering, or a related field
- Strong Python programming skills
- Experience with machine learning, data analysis, and reproducible research workflows
- Familiarity with pandas, scikit-learn, statistical modelling, or related tools
- Ability to work independently and communicate scientific results clearly
- Strong interest in research and publication-oriented work

What we offer:

- Flexible workhours with possibility of home office
- Family-friendly environment
- Opportunity to contribute to a funded research project in AI-driven precision oncology
- Active involvement in scientific publications and conference submissions
- Mentorship and collaboration in a research-focused environment
- Hands-on experience with Clinical NLP, LLMs, and interpretable AI for healthcare
- You will have the opportunity to work in an internationally connected company, within a motivated and dedicated team
- Your work to improve and maintain our data pipelines will have a direct impact on patient well-being
- Opportunity to learn new tools and shape your own work experience by using the technology

How to apply:

Please send

- CV
- Short motivation letter
- Relevant project portfolio or publication list (if available)

We offer a contract with a minimum annual salary from € 19600 gross based on 14 hours/week.

CBmed lives an inclusion and supportive work culture. We encourage diversity across all levels. Our common goal is enabling precision medicine.

Diversity enriches our work. We welcome applications from people from all walks of life and with a variety of experiences.

CBmed GmbH
CENTER FOR BIOMARKER RESEARCH IN MEDICINE

Stefanie Michaela Jandrisits, M.A. (career@cbmed.at)

+43 316 385 28808
Stiftingtalstrasse 14
8010 Graz