

Seeking a Post-Doc Researcher in Health Informatics

The *Ludwig Boltzmann Institute for Digital Health and Prevention* (LBI-DHP; <https://dhp.lbg.ac.at/>) researches novel technology-assisted interventions to provide long term, sustainable, efficient and effective support to patients for health-promoting behavior change.

In close collaboration with our partners at the *Paris Lodron University Salzburg* (PLUS; Faculty of Mathematics and Center for Human-Computer Interaction), the *University of Applied Sciences* (FH Salzburg), *Salzburg Research*, the *Austrian Institute of Technology*, and the *University Hospital of Salzburg* (SALK), the LBI-DHP follows an impact-oriented research agenda. That aim is pursued by bringing together interdisciplinary expertise and approaches both within the institute research group, as well as through the partner network that also includes a broad range of local stakeholder organizations. Novel digital health systems and interventions are developed and evaluated at levels ranging from exploratory prototypes to scalable publicly available platforms and clinical outcome studies.

Tasks

You will participate in developing the DH-Convener platform, in particular through:

- Conducting research in developing the interoperability layer for integrating mHealth apps
- Developing an application for reading health data from third-party APIs
- Other related tasks

Qualifications

- PhD in Health Informatics
- Knowledge and experience in health informatics standards and interoperability frameworks (HL7 FHIR, Open mHealth, IHE, etc.) as well as OMOP common data models
- Very good programming skills: Python, Java, SQL, HTML, etc. Familiarity with firebase, Apache, docker, API, JSON Cocoa Pods, and JDBC is a plus
- Independent work style and high self-motivation
- Excellent problem-solving skills, flexibility, and resilience
- Very good communication and team-working skills
- Good knowledge of the English language (oral and written)

Details:

- Work hours: 40 per week for 18 months (1 1/2 years- with the possibility of extension till 3 years upon receiving 3rd party funding)
- Location: Ludwig Boltzmann Institute for Digital Health and Prevention at the University Hospital of Salzburg (SALK), Lindhofstrasse 22, 5020 Salzburg, Austria
- Interview date: 17 October 2022
- Earliest start: 15 November 2022
- Salary: Monthly gross salary EUR 4.061,50 (14 times per year)

For informal queries please feel encouraged to contact:

Please send your application including CV, as well as optionally a portfolio of your work, implementation, and/or other work and project experiences in any format (PDF, GitHub, website, etc., links to common trusted cloud storage providers are fine for larger file sizes) to office@dhp.lbg.ac.at until 10 October 2022.



We offer you an interesting position in one of the largest private research organizations in Austria. The *Ludwig Boltzmann Institutes* are part of the *Ludwig Boltzmann Gesellschaft*, a not-for-profit research institution with a thematic focus on medicine, life sciences and the humanities, social sciences and cultural sciences, and is specifically targeting new research topics in Austria. Together with academic and implementing partners, the LBG is currently running 21 institutes and develops and tests new forms of collaboration between science and non-scientific actors such as companies, the public sector and civil society. The LBG aims to identify and swiftly tackle relevant challenges in society to which research can contribute at an early stage. The *Ludwig Boltzmann Gesellschaft* employs more than 500 people. With us, you can expect a dynamic environment, appreciative teamwork, as well as further training and personal development opportunities.

The LBI-DHP is a closely collaborating group of 15 highly motivated researchers, as well as technical and administrative staff. The research institute is located at the *University Hospital of Salzburg* near the heart of the historic city center. Salzburg is frequently recognized as one of the most desirable places for quality of life in Austria and beyond. The city offers excellent public infrastructure, family-friendly lifestyle, world-class cultural events, and is also in close vicinity to a wide array of alpine sports and recreation opportunities.



The Ludwig Boltzmann Institute for Digital Health and Prevention partner network:

