LMU LUDWIG-MAXIMILIANS-UNIVERSITÄT MÜNCHEN

FACULTY OF PHYSICS

CHAIR OF PHYSICS EDUCATION RESEARCH

SHARP

Ludwig-Maximilians-Universität München is a leading research university in Europe. Since its founding in 1472 it has been committed to the highest international standards of excellence in research and teaching.

The Chair of Physics Education at **LMU Munich** is looking for a

Research Associate (m/f/x)

(75%, TV-L E13, from 01.10.2025, 3.75 years)

About us

The DFG-funded Collaborative Research Centre **SHARP** 'Simulation-based learning in higher education: Advancing research on process diagnostics and personalised interventions' contributes to theory-building on personalising learning using simulations in higher education. As a joint research context, SHARP focuses on diagnosing and intervening as two highly relevant professional practices in many academic professions.

The subproject **C02** 'Professional vision in diagnosing visual problem-solving strategies for graphs in physics and medicine', explores the conditions for providing effective peer feedback with simulations in medical education, specifically in the context of graphs, and is currently looking for a research associate. The position is located at the Department of Physics, Chair of Physics Education (Prof. Jochen Kuhn), in collaboration with the Institute of Medical Education, LMU University Hospital.

You can find an overview of all sub-projects and open positions here: http://www.trr419-sharp.de/

Your tasks and responsibilities

Your tasks will include

- planning, preparing and conducting empirical studies on simulation-based learning
- analysing data
- contributing to scientific publications.

Your qualification

- You have a very good Master´s degree in the field of physics education, educational science, or learning sciences.
- You are interested in interdisciplinary collaboration and working in research teams.
- You have very good knowledge of social science research methods and statistics.
- You have experiences in planning and conducting interdisciplinary empirical studies (related to medical education would be an advantage).
- Experiences with multimodal process analyses (especially eye tracking-analysis) and software for evaluating and managing complex data (incl. machine learning algorithm) would be an advantage. You have very good written and spoken English skills.

Benefits

- We offer the opportunity to gain further academic qualifications.
- Contributing to the CRC SHARP, you will become part of an interdisciplinary group of researchers working in an excellent research environment to significantly advance higher education theory and practice.
- The CRC provides all its members with tailored support, coaching and supervision, including special support for international researchers.
- You will be paid an attractive salary at the pay-scale 0.75 FTE of TV-L E13. Your contract will be limited to 3.75 years.
- Your workplace is located in Munich and easily accessible by public transportation (U6).
- LMU has signed the "Diversity Charter" and is committed to diversity among its employees. We actively promote gender equality.

We welcome applications from women and other groups that are currently underrepresented in the academic system.

People with disabilities who are equally as qualified as other applicants will receive preferential treatment.

Contact

Your detailed application includes a cover letter, your CV and copies of your transcripts and certificates.

Please submit your application via our online portal by July 9th 2025 at the latest: http://www.trr419-sharp.de/.

If you have any questions, please contact Prof. Dr. Jochen Kuhn (jochen.kuhn@lmu.de).