

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 Mathematics Education at **LMU Munich** is looking for a

Doctoral Researcher (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 **A02** 'Personalised facilitation of skills for diagnosis and intervention during mathematical learning tasks: Case characteristics, cueing and knowledge activation' explores how different measures to support the development of pre-service mathematics teachers' professional skills in diagnosis and intervention can be coordinated with pre-service teachers' current learning needs. The position is located at the Department of Mathematics, Chair of Mathematics Education at LMU Munich (Prof. Stefan Ufer), in collaboration with the Chair of Biology Education at LMU Munich (Prof. Birgit Neuhaus).

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 degree in secondary school mathematics teacher education.
- You are interested in interdisciplinary collaboration and working in research teams.

- You have sound knowledge of mathematics and very good knowledge and skills in mathematics education.
- You have experiences in designing and evaluating instructional materials.
- You are interested in empirical research and social science research methods.
- You have very good written and spoken English skills.

Benefits

- We offer the opportunity to gain further academic qualifications, particularly to obtain a doctorate in mathematics education or the learning sciences.
- 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 centrally located in Munich and easily accessible by public transportation.
- 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 30.06.2025 at the latest. Further information can be found at <http://www.trr419-sharp.de/>.

If you have any questions, please contact Prof. Dr. Stefan Ufer (ufer@math.lmu.de).

In the course of your application for an open position at Ludwig-Maximilians-Universität (LMU) München, you will be required to submit personal information. Please be sure to refer to <https://www.lmu.de/en/footer/privacy-policy/>. By submitting your application, you confirm that you have read and understood our data protection guidelines and privacy policy and that you agree to your data being processed in accordance with the selection process.