

# TUM PREP – Partner Information Event

Sandra Lessing

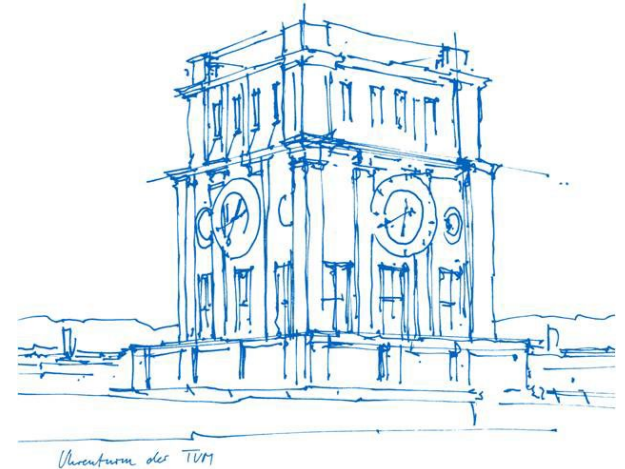
TUM PREP Program Manager

Munich, September 13, 2023



# OVERVIEW

- TUM PREP Program Overview
- Testimonials TUM PREP 2023 students
- Introduction of TUM and TUM campuses
- Application & Matching Process
- Impressions of TUM PREP 2023 and previous years
- Orientation Days & Framework Program
- Enrollment Process, Accommodation & Estimated Expenses
- Certificates & ECTS
- Q&As





<https://www.international.tum.de/en/global/prep/>

# Practical Research Experience Program (TUM PREP)

## Research Project Participation

- Structured research internship program with over **65 research projects** from various TUM Schools / departments to choose from
- For selected North American partners & the Imperial College London (ICL)
- Approx. 9 weeks of research in summer (**July 1 - August 29, 2024**)
- Highly competitive admission process with only 40 accepted students per summer



(Image: Nancy Zhang / TUM)

## Framework Program

- Orientation Days
- Kick-Off Reception and Closing Event
- Excursions / Day trips
- Local Activities / Beergarden evenings
- TUM Buddies

## Central Services

- DAAD Scholarship of € 1,000
- Accommodation Offer by Student Union
- 10 ECTS Credits
- Designated Program Manager / Enrollment



TUM PREP | September 2023



(Image: Ulrich Benz / TUM)

# Testimonials of students participating in TUM PREP 2023

## Testimonials by 2023 participants

### Ojus Sharma (University of British Columbia)

*"TUM PREP provided an exceptional platform for learning, personal growth, and immersion in Munich's charm. Through the program, my skills as an aspiring Computer Scientist expanded significantly, and I forged unforgettable memories with my incredible peers. I thoroughly enjoyed and treasure my time in Munich."*

### Laurentiu Marchis (Imperial College London)

*"So far I really enjoy the project as it is fairly open ended and gives me the opportunity to come up with new ideas and observe their implications through mathematical and computational means. Also, I get to see other applications of probabilistic and statistical methods to Machine Learning, which I find intriguing. [.....] .... able to accomplish by combining our research with outdoor activities. I can safely say that this summer is one of the best I've had so far because of the people I'm with, my interest in the research I'm doing and the exciting leisure time plans."*

# Introduction of TUM and TUM campuses



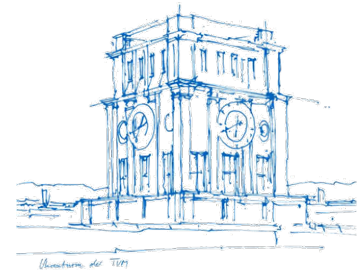
# Munich

- ~ 1.5 million inhabitants (3<sup>rd</sup> largest city in Germany)
- ~ 115,000 students
- 38 % of its population have an international background
- Belongs to the world's most livable cities (#2 QS Best Student Cities)
- Offers a variety of high-quality leisure activities: hiking in the Alps, numerous architectural and cultural attractions, outstanding museums, river surfing in the English Garden; the Oktoberfest and much more...

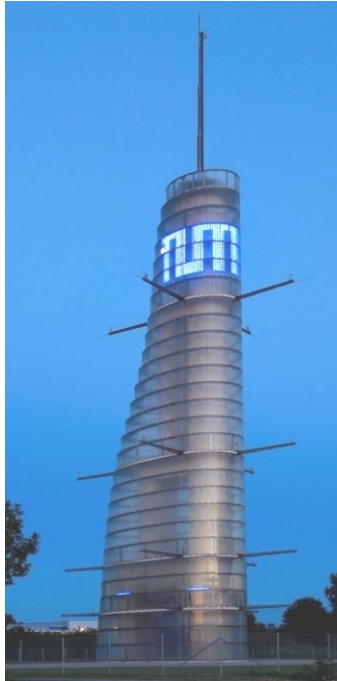




# Welcome at TUM - Introduction



# TUM at a Glance



## Students

**> 50,400** 36% female  
38% internat.

## Professors

**643**

## Schools / Departments

**8 / 15**

## Degree Courses

**181** ~100 Masters  
50% in English

***University of Excellence since 2006***

***No. 1: German Technical University / Top 4 in Europe***

***No. 2: Innovative University in Germany***

***No. 1: International University in Germany***

## Entrepreneurial University

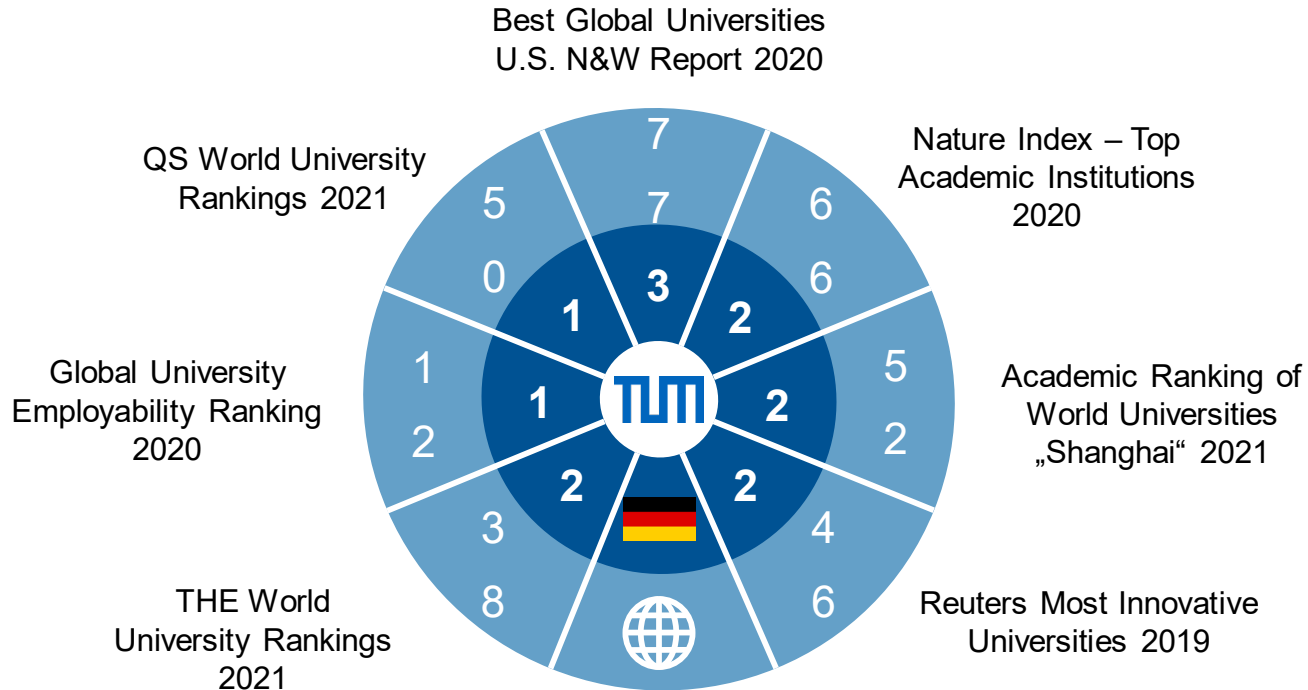
**800+ Start Ups (78 in 2022)**  
Since '90

## Nobel Prize Laureates / Patents

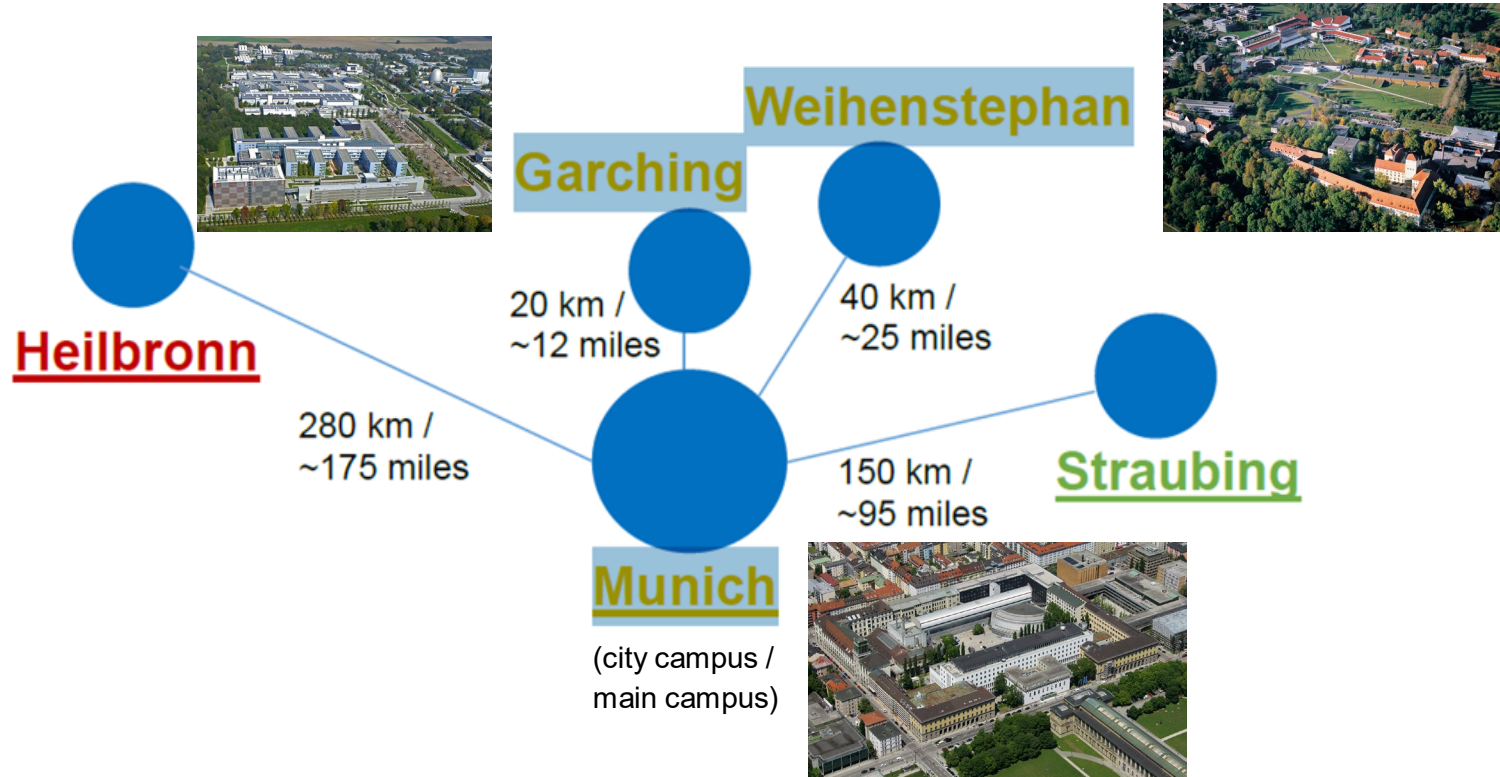
**18 / 73**

(Image: Andreas Heddergott / TUM)

# TUM in Rankings



# TUM Campuses in Germany



# TUM Schools and Departments

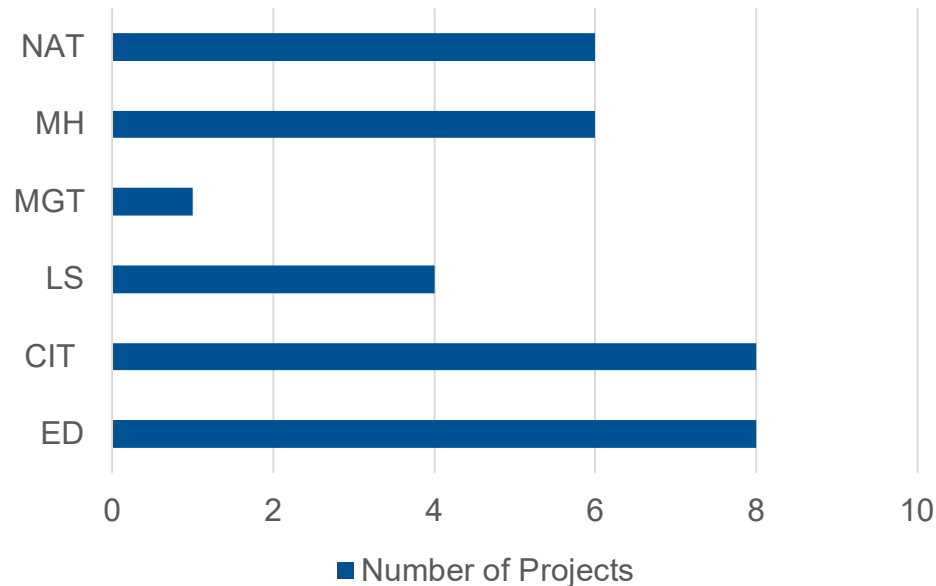
Our Schools' research and teaching focus on furthering sustainable innovation for the good of humankind, nature and society.

- [Computation, Information and Technology](#)
- [Engineering and Design](#)
- [Natural Sciences](#)
- [Life Sciences](#)
- [Management](#)
- [Social Sciences and Technology](#)
- [Medicine](#)
- [Sport and Health Sciences](#)

# TUM PREP – Application & Matching Process

# TUM PREP 2023

Participants Distribution in 7 TUM Schools  
in 33 different research projects



**34 participants from 14 universities**

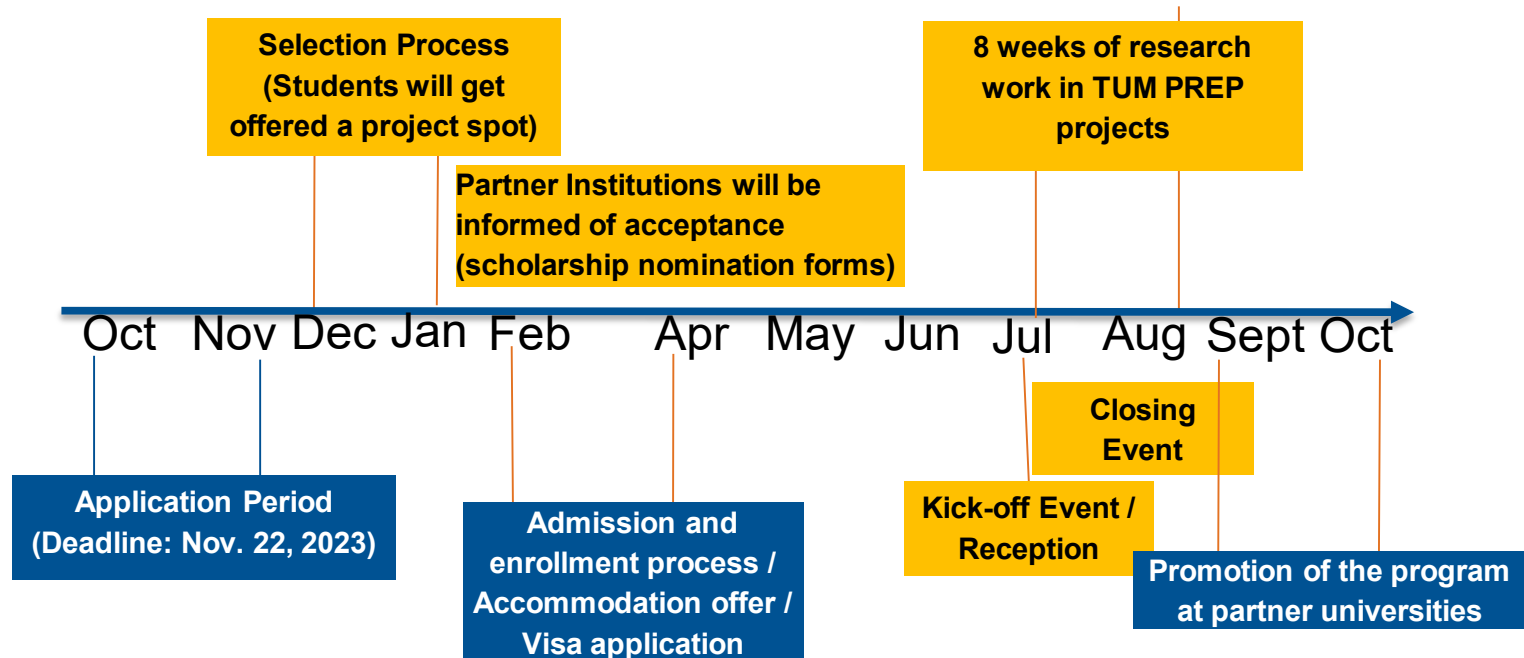
**UK:** Imperial College London

**US:** Harvard – MIT - New York University -  
Princeton – UC Berkeley – University of  
Maryland College Park – VirginiaTech –  
Yale University – Georgia Tech

**CAN:** Université de Montréal - University of  
Alberta – University of Toronto – University  
of British Columbia



# TUM PREP – Timeline 2023/24



# TUM PREP - Online Application

NAT 01-Electrochemistry

[Create snapshot](#)



Enhance your chances  
and apply for max.  
3 project priorities

[Back to TUM-PREP Projects overview](#)

## Project Overview

Project name:	Electrochemical Energy Conversion and Storage
TUM Department:	NAT - Chemistry
TUM Chair / Institute:	Chair of Technical Electrochemistry
Research area:	Lithium-ion batteries, PEM fuel cells, PEM water electrolysis
Student background:	<a href="#">Chemical Engineering</a> <a href="#">Chemistry</a> <a href="#">Electrical Engineering</a> <a href="#">Physics</a>

**Application  
Deadline:  
Nov. 22, 2023**

# Online Application platform

Apply for **TUM PREP** between  
**October 1 and November 22, 2023**  
via an **online application form**

<https://www.international.tum.de/en/global/prep/>

Application documents can be downloaded from the website:

- **1 Motivation letter per research project**  
(apply for max. 3 projects)
- **Transcript of Records**  
(min. GPA of 3.0 on a U.S. scale 4.0)
- **Letter of Recommendation by Supervisor**
- **Declaration of Insurance**  
(Information on mandatory and/or recommended insurances)

# TUM PREP – Impression of TUM 2023 and previous years

# TUM PREP 2023 – Kick-off event



(Image: Heddergott / TUM)

(Image: Bergmann / TUM)



# TUM PREP – Orientation Days

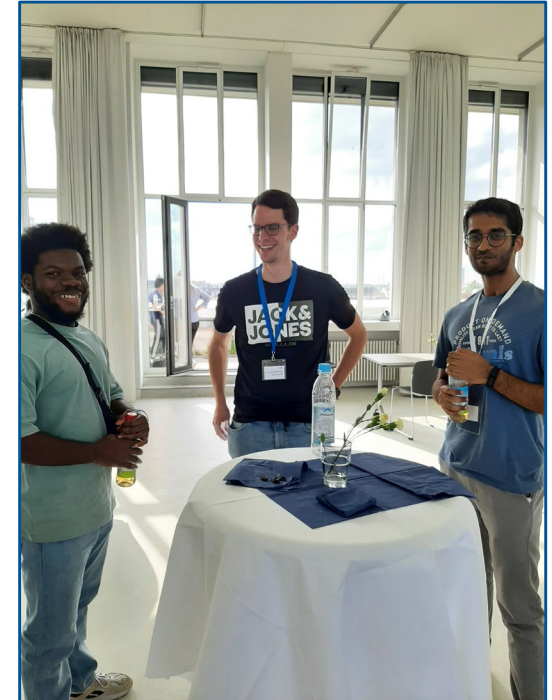


(Images: Lessing / TUM)

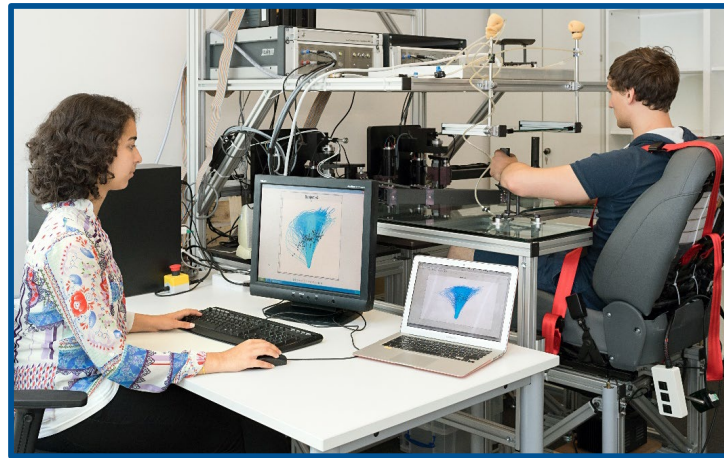
# TUM PREP – Orientation Days



(Images: Lessing / TUM)

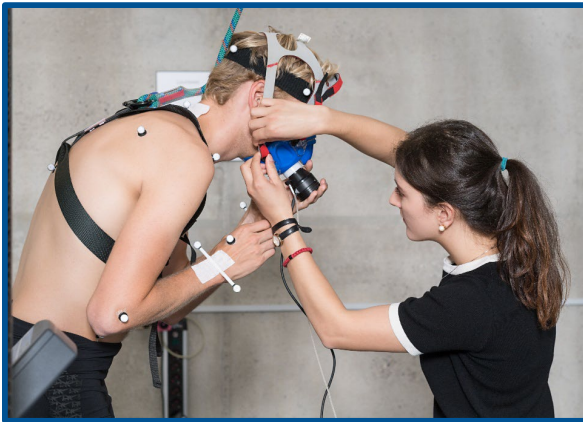






(Images: Ulrich Benz / TUM)

## TUM PREP Research Projects



(Images: Christina Riedl / TUM)

# TUM PREP – Framework Program



(Image: Cho / participant)



(Image: Luessmann / TUM)



# TUM PREP 2023 – Closing Event



# Orientation Days & Framework Program

# TUM PREP – Orientation Days 2024

## Monday, July 1, 2024

- Kick-off event for students
- TUM Campus Tour
- **Kick-off Reception with participants, supervisors & buddies**

## Tuesday, July 2, 2024

- Intercultural training (IKK)
- Top of Saint Peter's church „Alter Peter“ & Munich sightseeing tour

## Wednesday, July 3, 2024

- German Bank Account opening
- Olympic parc or Castle of Nymphenburg



(Images: Pixabay)

# TUM PREP – Framework Program 2024

**TUM PREP Beergarden evenings with TUM buddies** 1 x week

**German „Survival“ language class**

**Day trip excursions**

- Castle „Herrenchiemsee“ at lake Chiemsee
- Medieval city of Regensburg

**Activities**

- Guided tour through „Deutsches Museum“
- Lecture on Master programs at TUM and Information on TUMexchange

**TUM PREP Closing Event**

- Wrap-up with participants followed by a small event

August 29, 2024



(Image: Legault-Dignard / participant)



(Image: Huang / participant)



# TUM PREP 2024 – Enrollment Process, Accommodation and Estimated Expenses



# Enrollment process – how to enroll?

In early February 2024, all accepted students for the TUM PREP program will receive the official **TUM admission letter with detailed instructions on the enrollment process**.

Enrollment needs to be completed latest by March 31, 2023.

- **Transfer the semester fee**
- **Contact a German statutory health insurance provider** for either
  - an ***exemption letter*** (existing insurance will be accepted) **or**
  - ***take out a health insurance policy*** with a German health insurance provider.TUM will be informed electronically.  
Please find the contact details on the TUM PREP website.
- **Upload a passport-style picture in TUMonline** (student's service portal)

# Accommodation Offer by the Student Union Munich

We offer all accepted students a room in a student dormitory offered by the Student Union Munich. Housing is **not on campus** but spread out through the city of Munich.

The TUM PREP group will be divided between two or three Student Union residencies.

- Exception for TUM PREP students **to rent the room for only three months** (from July to September) instead of six months (entire semester).
- Rental agreement with Student Union directly. **Rent** depends on the room and **varies from € 380 – 450 per month**. The complete **payment** needs to be transferred in advance in **early March 2024**.
- The refundable **deposit** for the room is up to **€ 500**. This amount will be refunded after the end of the semester; i.e. end of September 2024.

# Estimated Expenses

- + TUM Scholarship (DAAD):** **1,000 €** (only for students who are not funded outside of TUM PREP, travel grants are combinable) / **Late payout at the end or even after program participation!**
  
- Accommodation for **3 months:** ~ 1,200 € - 1,300 € (approx. € 380 - € 450 per month)  
 [Dorm Security Deposit\*]: ~ 500 € (*refunded at the end of the summer semester*)
  
- Cost of Living: ~ 500 € - 600 € (per month)
  
- German Health Insurance: ~ 660 – 700 € (student insurance for the entire semester)
  
- Enrollment Fee: ~ 85 €
  
- **Deutschlandticket:** ~ 29 € (*per month - public transport throughout Germany*)
  
- Travel Expenses: ~ 300 - 1,000 €
  
- Visa Expenses (if applicable): ~ 100 €



# Certificates & ECTS

# TUM PREP – Certificates

- **Certificate of Research Stay** (evaluation report by TUM PREP supervisor)
- **Certificate of Participation** (issued by TUM Global & Alumni Office)
- **Transcript of Records** (can be downloaded from TUMonline by the participant)
- ▶ Students will receive **10 ECTS** credits for successful participation and can have these recognized by their home universities.



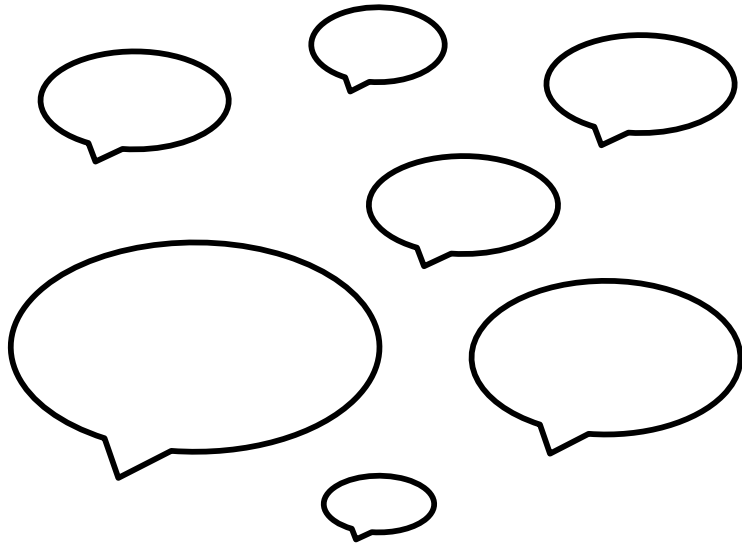
**TUM PREP Online Application platform will be open  
from October 1 until November 22, 2023.**

**Please invite your students to a virtual  
Information Event on October 25, 2023**

(Zoom Link is provided on the website).

**We look forward to receiving your student's applications.**

# Questions?



*Contact*

**TUM Global & Alumni Office**

**Sandra Lessing – Program Manager**

Practical Research Experience Program (**TUM PREP**)

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*Your summer in Munich*



(Image: davis – Fotolia)