

Aditi Sharma

Postdoctoral Researcher

Munich, Germany | aditi.sharma@example.com | +49 160 5550 337

SUMMARY

Postdoctoral researcher in structural biology with 6 years at the bench and 11 peer-reviewed publications. Designs and runs the experiments, writes the papers, and has brought in €180K of independent fellowship funding. Now looking to move the same work into industry R&D.

EXPERIENCE

Postdoctoral Researcher, Institute for Molecular Biophysics, Munich

01.2023 – Present

- Design and perform cryo-EM and biochemical experiments on membrane transporter complexes, from construct design to structure determination.
- Published 5 first-author papers since 2023, including one in a journal with an impact factor above 12.
- Won a €180K three-year fellowship as sole applicant, funding my own position and consumables.
- Supervise two PhD students and one master's student day to day, including experimental design and writing feedback.
- Built the lab's sample preparation protocol for unstable complexes, now used by four other projects.
- Present at three international conferences a year; invited speaker at two in 2025.

Doctoral Researcher, Indian Institute of Science, Bengaluru

08.2018 – 11.2022

- Completed doctoral research on protein-lipid interactions, resulting in 6 publications and a thesis passed without corrections.
- Established the cell culture and purification pipeline used by the group for three subsequent projects.
- Mentored four master's students through their project work.

EDUCATION

Ph.D. Molecular Biophysics, Indian Institute of Science, Bengaluru

08.2018 – 11.2022

M.Sc. Biochemistry, University of Delhi

07.2016 – 05.2018

SKILLS

Cryo-EM (single particle), Protein expression & purification, Cell culture, Mass spectrometry, Structural modelling (ChimeraX, Relion), Python data analysis, Experimental design, Scientific writing & peer review, Grant writing, Student supervision, Lab documentation & GLP

LANGUAGES

English (Fluent), Hindi (Native), German (Basic (A2))

CERTIFICATIONS

FELASA B — laboratory animal science, FELASA (05.2023)