

**Job Title:** Research Assistant, Department of Biology, Trivedi School of Biosciences

**Reports to:** Dr. Dilip Kumar, Assistant Professor, Department of Biology, Trivedi School of Biosciences, Ashoka University

**Location:** Trivedi School of Biosciences, Ashoka University, Sonapat, Haryana

**Experience (in years):** Prior experience in ML-based protein engineering is preferred

**Nature of work:** ML-driven vaccine design and validation

**Duration:** 5 months

### About Ashoka University:

Ashoka University -India's premier interdisciplinary teaching and research university. An institution that has become a beacon of academic excellence in less than 10 years since its inception. At Ashoka, we encourage you to embrace the new, push the boundaries for continuous learning, and adapt to a world of constant change. Because we believe that each Ashokan is capable of becoming a thought leader.

As part of our thriving and committed workforce, you will:

**Be Mission-Driven:** Champion interdisciplinary learning, innovative pedagogy, and academic rigor to transform Indian higher education.

**Think Strategically:** Collaborate with visionary minds to shape the future of higher education through strategic planning and a forward-thinking approach.

**Act Authentically:** Embrace authenticity and integrity, fostering an inclusive and supportive environment where every voice is valued.

**Take Accountability:** Own your work and drive positive change, as an empowering individual seeking to make a meaningful contribution.

**Build Collaboration:** Experience the power of teamwork and diverse perspectives, working collectively towards our shared goals.

**Deliver Excellence:** Strive for excellence in all aspects, upholding the highest standards of academic excellence, student support, and professional development opportunities.

At Ashoka University, we are on a mission to redefine higher education and create a remarkable space where innovation and collaboration thrive. As a **pioneering force in interdisciplinary learning**, we **continually grow and adapt** to stay at the forefront of educational excellence with emphasis on inclusivity and equal opportunity. Our philosophy revolves around **care, well-being, and connection**, which are deeply embedded in everything we do.

When you join our community, you become part of an extraordinary journey in which you can unleash your potential and make a meaningful impact. Where education empowers, where innovation thrives, and where excellence and humility coexist. We truly believe the world will enrich itself when there is progress with purpose.

**About:** Department of Biology, Trivedi School of Biosciences, Ashoka University.  
The Department of Biology at the Trivedi School of Biosciences, Ashoka University

### Role and Responsibilities:

The Research Assistants will be responsible for the following:

- Designing thermostable vaccine candidates using AI/ML approach
- In silico and wet-lab validation of top candidates
- Execute assigned lab duties, maintain the lab notebook, manuscript writing

### Qualifications:

- Master of Science (MSc)/Four Year bachelor's degree in biology, or a closely related discipline.
- Prior experience in AI/ML-based protein engineering
- Proven ability to work independently and as part of a multidisciplinary research team.

### Skills Required:

- Protein engineering using ESM-IF and/or AlphaFold
- Protein expression and purification

**Application Submission Process:**

We invite you to embark on this journey by submitting your application to Ashoka University's Department of Biology, Trivedi School of Biosciences. To ensure your candidacy receives the attention it deserves, kindly follow the application submission process outlined below:

**Prepare an Updated CV:** Showcase your professional accomplishments, skills, and experiences in an updated curriculum vitae.

**Submit Your Application:** Email your CV to [datlahilab@ashoka.edu.in](mailto:datlahilab@ashoka.edu.in) also copying [dilip.kumar@ashoka.edu.in](mailto:dilip.kumar@ashoka.edu.in) ensuring the subject line reads as follows: "Research Assistant – Department of Biology, Trivedi School of Biosciences\_Applicant Name". This will help us efficiently process your application.

**Pursuit for Excellence:** At Ashoka University, we strive for excellence in all aspects of our operations. Therefore, only shortlisted candidates will be contacted as part of our rigorous selection process.

**Adherence to Deadlines:** To ensure fairness and efficiency, please submit your application by **June 02, 2026 (Tuesday)**. Applications received after the deadline will not be considered.

We look forward to receiving your application as we embark together on a remarkable journey of professional growth and development. Join our exceptional community at Ashoka University, where excellence is nurtured, and aspirations are transformed into reality.