

Job Title: Junior Research Fellow, Application of polygenic risk scores in the complex diseases of the Indian population (ANRF)

Reports to: Dr. Tanmoy Roychowdhury, Associate Professor

Location: Department of Biology & Koita Centre for Digital Health, Trivedi School of Biosciences, Ashoka University, Sonapat, Haryana

Experience (in years): 0-2 years

Nature of work: Statistical genomics and bioinformatics analyses

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.

Role and Responsibilities: We are looking for a Junior Research fellow who has a quantitative bend of mind, interested in statistics and programming. The project involves investigating development of polygenic risk scores that can be used for prediction and stratification of complex diseases in the Indian population. Specifically, it requires – data wrangling and analysis involving – a) statistical genomic methods involving GWAS summary data as well as individual-level genotype data, b) bioinformatic methods exploring omics data. Data interpretation and writing up results.

Qualifications: MSc in Bioinformatics/ Statistics/ Computer Science/ Biotechnology or a B.E./BTech in a relevant field. Minimum 60% marks in qualifying degree. GATE/NET or any equivalent exam.

Experience: 0-2 years.

Skills Required: UNIX command line; R or Python programming; Proficiency in Statistics

Desirable: Hands on experience in computational genomics involving handling DNA-sequence data.

Compensation: INR 3.6-4.8 Lac per annum consolidated, as per ANRF norms.

Application Submission Process:

We invite you to embark on this journey by submitting your application to Ashoka University. 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: Please send an updated CV highlighting relevant experiences to tamoy.roychowdhury@ashoka.edu.in and head.kcdha@ashoka.edu.in, ensuring the subject line reads **JRF_ANRF_Genomics_<Applicant's name>**.

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 **5th July 2026**. 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.