

Job Title: Postdoctoral Scientist
Reports to: Dr. Kasturi Mitra
Location: Ashoka University, Department of Biology, Sonipat
Experience (in years): > 4 yrs of wet lab
Nature of work: Full Time
Education Qualification : PhD

Role and Responsibilities:

A postdoctoral research position funded by India Alliance-DBT/ Wellcome Trust is available in the research group of Dr. Kasturi Mitra, Associate Professor, Indian Alliance Senior Fellow, Department of Biology at Ashoka University. Biology department at Ashoka university provides a vibrant learning and research environment, allowing seamless crosstalk of Biology with various other fields including computational biology, biophysics, chemistry, psychology and others (<https://ashoka.edu.in/biology>). The Mitra lab studies the role of mitochondria in normal and neoplastic cell proliferation in Drosophila, mammalian cell line models and patient samples (<https://walk-talk-dream-mito.weebly.com>). The postdoctoral researcher hired for this position will primarily use side directed mutagenesis approach, cloning, high resolution fluorescence microscopy and biochemical approaches to study mitochondria driven priming of stem cell self-renewal and proliferation identified and described by the Mitra lab. The postdoc will have the opportunity to work with Airyscan2 super-resolution technology and collaborate with quantitative biologists towards understanding the mechanism of mitochondria driven stem cell priming. Also, the postdoc will be responsible for training and mentoring graduate and undergraduate students, alongside Kasturi.

Required competencies and skill sets :

- PhD in Cell and Molecular Biology, Genetics, Cancer Biology, or a related field.
- Strong interest in mitochondria and/or stem cell biology with a quantitative bent of mind.
- Thorough expertise in cloning, side directed mutagenesis, cell/tissue culture methods and confocal microscopy.
- Able to work as an independent researcher, as well as in team.
- Able to efficiently communicate orally and in writing.

Selection: Applications will first go through an initial screening, followed by an online interview by a panel of scientists at Ashoka University. The decision of the interview panel regarding the suitability of the candidate will be final. We will not encourage any further correspondence in this regard. The selection process shall continue until the position is filled.

Appointment Start-date: The postdoc should be able to start in February 2023. However, closer joining dates can be negotiated.

Application submission: Email application to Kasturi at Kasturi.mitra@ashoka.edu.in. The subject of the email should be: Application for Postdoctoral Scientist (IA-Ashoka). Please note *only shortlisted candidates will be notified*.

The application should include at least the following:

1. Cover letter including a paragraph highlighting major achievements and self-assessment, and justifying interest in the position.
2. Detailed CV with contact details of at least three referees in the order of candidate's preference (email and contact number).
3. One page statement of overall research interests and future goals.

About Ashoka University:

10 years ago, we embarked on a journey to establish a world-class, multi-disciplinary, liberal arts and sciences university in India. Built on the finest global best practices of institution and university governance, Ashoka has truly transformed Indian higher education in India with its unique pedagogy, governance and best practices. Ashoka is today India's #1 liberal arts and sciences university that is home to the most diverse student body, a hub for impactful research and a magnet for best-in-class faculty and staff.

Ashoka has been ranked in the top five among private Universities in India by QS Asia and has also secured top rank among all Indian Universities in the 'International Faculty' indicator. The University was earlier awarded Diamond rating by QS I.GAUGE as a recognition of its continuous focus on academic rigour, inter-disciplinary pedagogy, world-class faculty, academic research, innovative modules of engagement with the community and teaching methods.

For further information, visit www.ashoka.edu.in.

We aim to co-create a nurturing space for our students, faculty, staff, donors and community positively through universal values:

- Be Mission-Driven
- Think Strategically
- Act Authentically
- Take Accountability
- Build Collaboration
- Deliver Excellence

About Department of Biology at Ashoka University

- Engagement in intellectual curiosity and fosters interdisciplinary perspectives.
- Multi-dimensional approaches to study and teach biology across various scales.
- Hosts the Trivedi School of Biosciences to promote research in Synthetic Biology, Data Science, and emerging areas in disease biology.

Ashoka is an equal opportunities employer. Remuneration will be competitive with Indian non-profit pay scales and will depend upon the candidate's experience levels and the overall organization's salary structure.