

JOB DESCRIPTION

Job Opening TL-11 (applicants must list this number in their application to be considered)

Senior Research Scientist in Stem Cell Biology and Disease Modeling at TIGS

Tata Institute for Genetics and Society (TIGS-CI), is a new, non-profit research entity supported by the Tata Trusts. TIGS has been operational since 2018 as an autonomous Center at inStem (TIGS-CI), within the campus of the National Center for Biological Sciences (NCBS), in Bangalore, India. Research at TIGS is focused on harnessing new genetic technologies, such as genome editing for improvements in human health and agriculture. Specific areas of focus are vector-borne diseases, rice genetics, human hematopoietic stem cells (HSCs) and reversal of antibiotic resistance. TIGS also partners actively with a sister institute located at the University of California, San Diego (TIGS-UCSD) for scientific exchange and capacity building.

TIGS-CI is seeking applications from outstanding candidates for the position of Senior Research Scientist (equivalent to an Assistant Professor at excellent academic institutions) to direct research in **human HSC biology to model and correct genetic disorders**. This includes the identification and characterization of hematopoietic disorders for therapeutic application of genome and base editing, as well as contributions to regulatory and community engagement processes. The position is for a 5-year inaugural term and the incumbent is expected to work in Bangalore at TIGS-CI.

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This candidate will be personally engaged in, and supervise, a small team of less than 5 individuals, in the areas of HSC propagation and differentiation, will have a proven track-record evidenced by publications in genome editing of stem cells to generate and/or correct disease models, and possess expertise in HSC biology. Candidates may be from a basic research or clinical background. The team will work to generate disease models, build and test new genome editing constructs, establish human HSC cultures from embryonic stem cells or induced pluripotent stem cells, from patient samples and test applications of genome and base editing to achieve disease correction in human HSC. This individual will also work closely with other genome editing and active genetics groups at TIGS to integrate new advances in this area.

Essential Qualifications/Requirements:

The successful candidate should have a Ph.D., or equivalent, with 5+ productive years (post Ph.D.) of academia/clinical research/industry experience in a relevant field (e.g. stem cell biology, hematopoiesis, blood disorders, genome and base editing). Individuals transitioning from academia would preferably hold, or be eligible for, the rank of Assistant Professor in an internationally reputed university or research institute. Additional requirements include an outstanding track record of independence and leadership, peer-reviewed publications in high impact journals, excellent communication skills, as well as evidence of independent grant support, project implementation and successful mentoring of students.

TIGS-CI offers world class research facilities, including a new stem cell laboratory, and is located in an excellent academic environment within a collaborative ecosystem, involving inStem, NCBS, CCAMP and the Bangalore Life Sciences Cluster (BLiSc). TIGS offers a competitive salary and benefits package and

research support for projects directly related to the TIGS mission, but all scientists are also encouraged to apply for external grants.

Applications are encouraged from both national and international scholars. The successful candidate will collaborate closely with researchers at TIGS-CI and TIGS-UCSD to implement the TIGS mission in a socially-conscious and ethical manner.

For consideration of your application, please provide the following documents – (a) a two-page statement of purpose explaining the salient aspects of your background that are relevant to the position; (b) your curriculum vitae with a list of peer-reviewed publications, and names and contact details for at least 3 references; (c) leadership qualifications; (d) previous grant support as the principal or co-principal investigator and (e) a list of students mentored. Incomplete applications will not be considered. Please send the materials, **with a clear reference to the job number listed above**, to the following email address: jobs@tigs.res.in;

Application deadline: December 31, 2019

The position will remain open till it is filled.