

Indian Institute of Technology Gandhinagar (IITGN) invites applications for JRF+RA positions for following project:

**Title of Project:** Multiomics data analysis to demarcate oral cancer and healthy tissue for margin clearance.

**Brief description:** This project aims to do omics data analysis for establishing molecular signatures to differentiate between healthy and cancer tissue. Intended outcomes of this project include the development of open-source machine learning tools for various regulatory network Inference, creation of an India-specific omics database as well as open-source tools for integrated pipeline analysis for oral cancer, as well as establishing molecular signatures for a clear demarcation of healthy and cancerous tissue in patients with oral cancer for developing new techniques for surgery.

**Link:** Apply online at <http://labs.iitgn.ac.in/datascience/positions>

**Duration:** Initially for one year and may be extended annually after performance evaluation till the end of the project.

**Essential Qualifications:**

1. **For JRF:** M.Sc.or M.Tech. in Biotechnology/Life Sciences/Computer Science/related areas or BE/BTech in Computer Science / related areas with at least 60% marks along with GATE/NET or any national level JRF eligibility test qualified.
2. **For Research Associate:** Ph.D. in bioinformatics or machine learning or related areas with a keen interest to apply machine learning techniques in biological data analysis.

**Desirable:** Experience in running bioinformatics software as well as coding in python/R is highly desirable.

**Principal Investigator:** Anirban Dasgupta, Professor of Computer Science and Engineering.

**No. of Positions:** Two (1 JRF + 1 Research Associate)

**Fellowship:**

1. JRF INR 31,000 + HRA (as applicable)
2. Research Associate INR 47,000 + HRA (as applicable)

**Start date:**

1. JRF: As soon as possible.
2. RA: As soon as possible.

**Application deadline:** Applications will continue to be screened until the post is filled. However, because of the urgency of the need, **applications received by 27<sup>th</sup> December 2021 will be considered on priority.**