



**TATA MEMORIAL CENTRE
ADVANCED CENTRE FOR TREATMENT, RESEARCH AND EDUCATION IN
CANCER**

Kharghar, Navi Mumbai- 410 210

www.actrec.gov.in

Phone No : 91-22-27405000/5082/5353

(A Grant-in-aid Institution of the Dept of Atomic Energy, Government of India)

No. ACTREC/ADVT-58/2026

24th March, 2026

TMC ACTREC invites applications for the ICMR Centre for Advanced Research in Pediatric Cancer Genetics

Project Title: Whole Exome / Genome analysis to define Childhood Cancer Germline Genomic Landscape, identify new cancer predisposition genes & develop, validate India- specific multigene panels for inherited paediatric cancers

Coordinating Centre: ACTREC, Tata Memorial Centre, Navi Mumbai

9 Centres; Overall Project PI/Co-PI: Dr Rajiv Sarin / Dr Girish Chinnaswamy **Site PI:** Dr Badira CP

The missing heritability in Childhood Cancers is due to the limited sample size and bias in case selection, as well as gene panel selection in the 2 North American and European cohorts. Whole exome / Genome sequencing in unselected 2500 consecutive paediatric cancers, enriched with rare cancers, along with deep phenotypic and functional characterization could lead to new gene discovery, establish the prevalence, spectrum and geo-ethnic variations of germline mutations, novel genotype-phenotype correlation and customised Targeted Panels for 3 groups 1) Paediatric Solid Tumours, 2) Paediatric Brain Tumours; 3) Paediatric Haematolymphoid malignancies

Interested candidates fulfilling the prescribed qualifications and experience can apply by filling this Google form, specifying the requested details, post/s you are applying for, and experience relevant to the post/s applied for.
<https://forms.gle/FLqB9sAKrRjewvmg8>

LAST DATE for application 30th March, 2026

Only the short-listed candidates will be contacted by e-mail and notified about the interview date and timings. The interview will be in hybrid mode. Details will be sent accordingly.

3 Posts Project Research Scientist II (Non-Medical). Age limit 40 years

Salary-Rs. 87,100/-p.m. (Rs.67,000+HRA@30%)

Essential Qualification- PhD OR MSc with 3 years relevant experience after Masters

For Engineering / IT / Comp. Science - 4 year graduate degree + 3yr relevant experience

Post No 1: NGS Wet Lab (ACTREC)- Running a High Throughput Genomics Lab; Customise and Standardize assays for Exome, Genome, Transcriptome, Targeted Panels, Sanger & MLPA. Will be supported by a dedicated Project Technical Support-III. Will be responsible for Laboratory and inventory management.

Post No 2: Bioinformatics (ACTREC) - Developing Bioinformatic pipelines and using them for variant filtering, analysis and clinical reporting of Germline Exome, Genome, Transcriptome and Targeted NGS panel for childhood cancers. Will be supported by a dedicated Project Technical Support-III

Post No 3: Senior Genetic Counsellor (ACTREC & TMH)- Coordinate Genetic Counselling for complex genomic cases in any of the 9 centres; Provide Genotype-Phenotype correlation, Reporting of difficult cases; IEC communication; Develop and oversee SOPs for sample transfer and reporting of cases from all 9 centre. Mentoring and

training of all 9 Genetic Counsellors - 1 at each site; Public awareness; Developing a secure genomic database; Site monitoring visits of all 9 sites.

7 Posts of Project Technical Support-III. Age limit 35 years

Salary- Rs. 36,400/- p.m (Rs. 28,000+30% HRA)

Essential Qualification-MSc OR 3 year Graduate degree in relevant subject + 3 years post qualification relevant experience

For Engineering / IT / Comp. Science - 4 year graduate degree

Post No 4: NGS Wet Lab (ACTREC) - NGS Lab work for Exome, Genome, Transcriptome, Targeted Panel, Sanger & MLPA, under the supervision of the NGS Project Research Scientist and the PI

Post No 5: Bioinformatics (ACTREC) - Bioinformatics and variant analysis of Germline Exome, Genome, Transcriptome and Targeted NGS of childhood cancer cases under the supervision of Bioinformatic Project Research Scientist and PI

Post No 6 and 7: Genetic Counsellor (1 for ACTREC, 1 for TMH) - Genetic Counselling and consenting for all enrolled families at that site for exome/genome analysis of proband, biobanking and cascade testing in the family. Coordinate with investigators, record Genotype - Phenotype correlation, and database entries. Will work under the supervision of the Senior Genetic Counsellor Project Research Scientist, and the PI

Post No 8 and 9: Clinical Trial Coordinator (1 for ACTREC, 1 for TMH) - Screening of cases, checking eligibility checklist, maintaining screen log, data collection, filling eCRF, database entries and curation, tracking status of genetic test reports and coordinating patient appointment; monthly, quarterly & annual reports; coordination with all involved clinicians & investigators, GCs and the lab. Assist the Senior Genetic Counsellor and Site PI for IEC communication. Work under the supervision of PI / Co-PI / Site PI

Post No 10: Networking & Database coordinator: (*Preferred qualification: Engineering / IT / Comp. Science - 4 year graduate degree*) Maintain and monitor servers, network and databases. Generate queries and reports to support operational needs and analyze data trends. Facilitate transfer of data in coordination with the NGS lab, investigators, and the ACTREC IT team. Take periodic backups of data. Implement security measures to protect data & network

Alpasani

In charge, Academic & Project Cell