



CANCER INSTITUTE (WIA)TM

The **Department of Molecular Oncology** at **Cancer Institute (WIA)**, Chennai, invites applications for a **Postdoctoral Fellow** position in cutting-edge cancer research.

About the Institute

Cancer Institute (WIA), Adyar, is a premier cancer research and treatment centre in India, renowned for integrating clinical care with cutting-edge research. The institute emphasizes translational oncology, advanced molecular diagnostics, and development of innovative therapies, fostering multidisciplinary collaboration to improve patient outcomes and drive impactful discoveries in cancer prevention, diagnosis, and treatment. ([Molecular Oncology](#))

Position Overview

We are seeking a highly motivated and enthusiastic postdoctoral researcher to join our multidisciplinary team. The successful candidate will contribute to ongoing research projects in areas such as:

- **Tumour immunology and immunotherapy:** Investigating immune–tumour interactions, mechanisms of immune evasion, and development of novel immunotherapeutic strategies including checkpoint blockade and adoptive cell therapies
- **Cancer genomics and precision oncology:** Profiling genetic and epigenetic alterations in tumours to identify biomarkers and enable targeted, patient-specific therapeutic approaches
- **Cell and gene therapy:** Designing and optimizing engineered cell therapies, including CAR-T and other gene-modified platforms, for improved efficacy and safety in cancer treatment
- **Molecular mechanisms of tumour progression and resistance:** Elucidating signalling pathways and cellular processes that drive tumour growth, metastasis, and resistance to therapy, to inform development of next-generation treatments

Eligibility Criteria

- PhD in Molecular Biology, Biotechnology, Immunology, Oncology, or a closely related discipline from a recognized institution, with a strong foundation in cancer biology or translational research
- Demonstrated expertise in molecular and cellular biology techniques, including PCR, flow cytometry, mammalian cell culture, and next-generation sequencing, with the ability to independently design and troubleshoot experiments

Desirable qualification

- Prior research experience in cancer immunology, tumour microenvironment, or immunotherapy (e.g., CAR-T, checkpoint inhibitors)
- Proven ability to work both independently and collaboratively in a multidisciplinary research environment, with strong problem-solving and communication skills
- Strong publication record in peer-reviewed journals, reflecting the ability to conduct high-quality research and contribute to scientific writing and dissemination

Key Responsibilities

- **Design and execute research experiments:** Plan, develop, and carry out well-controlled experiments aligned with project objectives, ensuring adherence to protocols, timelines, and quality standards
- **Coordinate with clinical teams:** Work closely with clinicians, surgeons, and clinical research staff to facilitate patient sample collection, ensure accurate clinical annotation, and support translational studies, while adhering to ethical guidelines and regulatory requirements.

- **Analyse and interpret complex data:** Process, analyse, and critically evaluate experimental data using appropriate statistical and bioinformatics tools, and derive meaningful conclusions
- **Contribute to manuscript and grant writing:** Prepare scientific manuscripts, reports, and funding proposals, including literature review, data presentation, and clear scientific communication
- **Mentor graduate and junior research staff:** Provide guidance and training to students and junior researchers, supporting their technical development and fostering a collaborative research environment

Duration & Fellowship

- Initial appointment for 1–2 years (extendable based on performance)
- Competitive fellowship aligned with institutional norms. Candidates seeking a host institution for national-level postdoctoral fellowship applications are encouraged to apply.

Application Process

Interested candidates should submit the following:

- Updated CV
- Cover letter outlining research interests and experience
- Contact details of at least two referees

How to Apply

Please send your application via email with the subject line: “*Application for Postdoctoral Fellow – Molecular Oncology*” to:

academic.officer@cancerinstitutewia.org

Application closes on 10.06.2026

Shortlisted candidates will be called for interview tentatively from 15th June 2026 onwards.

Contact:

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Join us in advancing innovative cancer research and contributing to impactful translational science.