

How to Apply

Interested candidates should visit our website at:

<https://www.mdanderson.org/education-training/clinical-research-training/postdoctoral-training/postdoctoral-fellowships/translational-genomics-precision-medicine-approaches.html>



Eligibility Requirements

Postdoctoral positions in the Translational Genomics and Precision Medicine in Cancer (TGP) Training Program at MD Anderson are available for U.S. citizens or permanent residents only.

Candidates for positions on the T32 must be currently working with or propose to work with T32 faculty mentors and interested in training related to competency areas of the TGP program. We highly encourage selection of clinical co-mentors for T32 fellows accepted into the program to ensure a translational research experience.

Predocctoral fellows must have completed at their first year of graduate training and have passed oral candidacy. Predocctoral fellows may apply at any time post candidacy; however they must have at least one year remaining for completion of the Ph.D. degree.

Encouraging Diversity

The training program is committed to ensuring diversity in selecting outstanding fellows for the program. Minority, disadvantaged or disabled applicants are encouraged to apply.

For more information please contact the T32 Leadership Team in the Department of Translational Molecular Pathology:

Dr. Ann Killary, Ph.D., Professor, T32 PI
akillary@mdanderson.org

Dr. Ignacio Wistuba, M.D., Chair
iiwistuba@mdanderson.org

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National Cancer Institute Training Program in Translational Genomics and Precision Medicine in Cancer

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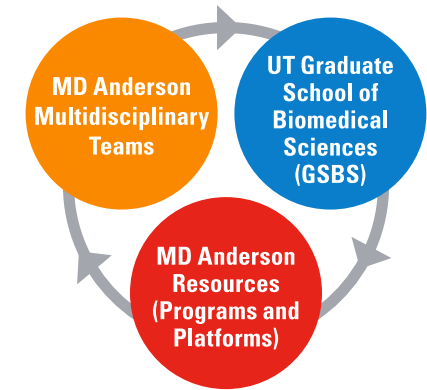
Overview

The T32 in **Translational Genomics and Precision Medicine in Cancer (TGP)** training program was developed in response to a new revolution of Big Data and the need for scientists to be trained in the discovery, integration and interpretation of translational genomics for precision medicine. The training plan allows qualified predoctoral or postdoctoral candidates to be educated and trained in-depth and breadth in state-of-the-art areas of translational genomics and precision medicine related to cancer. The goal is to educate and train the next generation of scientists to understand broadly their role in driving precision medicine through discovery science and development of novel genomic analytical tools necessary to power this application in the clinical setting. In addition to a mentored research experience by one of our outstanding training faculty, both Ph.D. candidates and postdoctoral fellows are expected to gain interdisciplinary training in core competency areas critical to the future of translational genomic science.

Core Competencies

The program includes a depth and breadth of knowledge in 5 areas:

- translational cancer research, to gain exposure to mechanistic studies in translational research and their importance to the human organism;
- precision medicine to gain experience in state-of-the-art ways to diagnose and target treatment of cancer patients based on genomic or immunogenetic profiles;
- translational genetics and genomics, to gain competency in translational genomics needed for future understanding implementation of cancer precision medicine
- bioinformatics to learn how to read and interpret large omics datasets; and,
- exposure to relevant tumor boards (monthly) and to industrial collaborations with academic faculty mentors on large scale genomic applications in cancer precision medicine.



T32 Departments & Faculty Mentors:

Translational Molecular Pathology

Krishna Bhat, PhD
Ann Killary, PhD
Larry Kwong, PhD
Sue-Hwa Lin, PhD
Sendurai Mani, PhD
Subrata Sen, PhD
Rama Soundararajan, PhD
Ignacio Wistuba, MD

Clinical Cancer Prevention

Florencia McAllister, MD
Eduardo Vilar-Sanchez, MD

Epidemiology

Paul Scheet, PhD

GI Medical Oncology

Scott Kopetz, MD, PhD

Anatomical Pathology

Jason Huse, MD, PhD

Genetics

Ralf Krahe, PhD
Sadhan Majumder, PhD
Nick Navin, PhD

Hematology & Pathology

Jason T. Huse, M.D., Ph.D.
Timothy McDonnell, MD, PhD
Anirban Maitra, MD, MBBS

