

DEPARTMENT OF MOLECULAR AND HUMAN GENETICS

FACULTY POSITIONS

Among genetics departments at U.S. medical schools, the Department of Molecular and Human Genetics at Baylor College of Medicine (<https://www.bcm.edu/departments/molecular-and-human-genetics/>) ranks number one in both number of grants and total funding from the National Institutes of Health. The Department of Molecular and Human Genetics provides a bridging environment for physicians and basic scientists, promoting a cross-species approach to functional genetics and a commitment to technology transfer. Activities within the Department include clinical genetics, basic and clinical research, a new joint venture diagnostic laboratory, long-standing association with one of three NIH large scale human genome sequencing centers, medical student teaching, a Ph.D. graduate program, and residency/fellowship training in medical genetics.

The Department has a total research funding of over \$80 million, 62 primary tenured and tenure-track research faculty member and 120 total faculty members who are engaged in a variety of missions including basic and translational research, clinical diagnostic services, and pediatric and adult clinical care. To expand our translational impact, we developed a uniquely structured and governed joint venture Baylor Miraca Genetics Diagnostic Laboratory that will help to bring genetic discoveries to cutting edge genetic testing for a world-wide audience.

Faculty will have an opportunity to interact with a vigorous Medical Genetics program with over 25 clinical MD and MD/PhD faculty as well as a large research and diagnostic laboratory Ph.D. faculty supervising genetic diagnostic labs. In addition, the Medical Genetics training program attracts 3-4 clinical fellows per year for ABMG approved residency training. ABMG-approved training for DNA, biochemical, and cytogenetics diagnostic laboratories is also offered.

The Department staffs clinical genetics programs at Texas Children's Hospital, Baylor CHI St. Luke's Medical Center, Harris Health System, and the Michael E. DeBakey Veteran Affairs Medical Center.

The Department is seeking individuals for faculty appointments at rank appropriate for achievement and experience. We are currently recruiting for:

- Physician Scientist – The Department is seeking individuals who have clearly demonstrated their ability to conduct high-impact basic, translational and/or clinical research and compete for scientific funding in the area of medical genetics and model organism genetics.
- Clinical & Laboratory Geneticist – The Department is seeking ABMGG eligible and/or certified physicians in the area of clinical genetics and medical biochemical geneticist. In addition, we are recruiting for ABMGG eligible and/or certified laboratory directors in the areas of clinical cytogenetics, clinical biochemical genetics, and clinical molecular genetics. Certification in more than one specialty is highly desirable.

- Cancer Geneticist – The Department is seeking individuals who have established expertise in cancer genetics including genomics, cancer model organisms, translational & therapeutic development. Individuals should be at the level for garnering career-stage specific recruitment packages sponsored by the Cancer Prevention Research Institute of Texas. (<http://www.cprit.state.tx.us/>)
- Mouse Geneticist – The Department has a distinguished history in mouse genetic study of development and disease. It is a center for the KOMP 2 knockout mouse project and has extensive core facility services. Candidates would be expected to make extensive use of mice in their research but might work in human genetics or with other model organisms; areas include models of human disease, developmental biology, neuroscience, or cancer genetics.
- Bioinformatics – The Department is seeking leaders broadly in bioinformatics. Individuals should have demonstrated expertise in studying large scale genetic and genomic data and may involve computational methods, analysis of large datasets, and development of analytical pipelines.

Appointments will be at the Assistant, Associate, or Full Professor levels depending on experience.

Qualified applicants should email a .pdf version of their curriculum vitae and cover letter stating position to which they are applying to:

Department of Molecular and Human Genetics
Baylor College of Medicine
One Baylor College of Medicine, ABBR Room R830
Houston, TX 77030
Phone: 713-798-5443
Fax: 713-798-8515
Email: mhgfacultyrecruits@bcm.edu

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