

Financial Aid

Assistantships are awarded to Ph.D. students in Human Genetics on a competitive basis. These awards cover tuition plus a \$24,000 stipend per year.

Housing

Housing is available for both singles and married couples in a residence hall immediately adjacent to the main campus. Off-campus housing can also be found within a short distance of the Health Sciences Center. For more information, see the following websites:

www.auxent.lsuhscc.edu/reshall/residence.aspx

<http://realestate.nola.com>

Forms

Application forms for Graduate School can be downloaded from:

<http://graduatestudies.lsuhscc.edu/forms.htm>



New Orleans, Louisiana



For information about living in New Orleans, see the following websites:

www.neworleanscvb.com

www.neworleans.com

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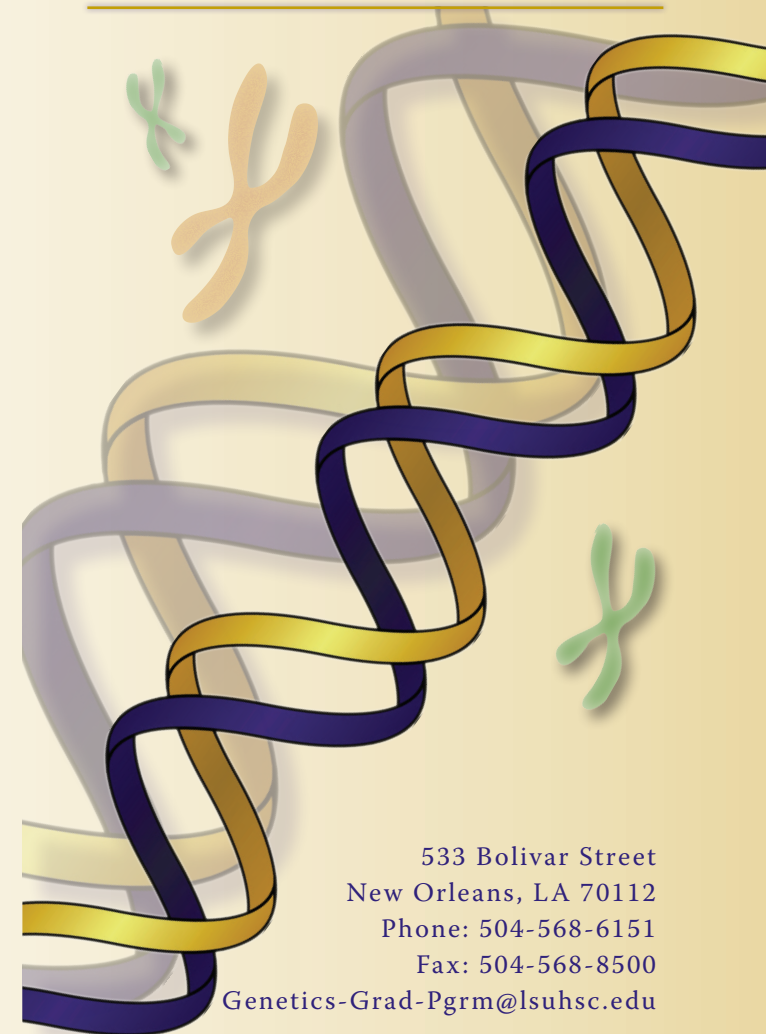
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LSU Health Sciences Center
NEW ORLEANS

Department of Genetics

Genetics Ph.D. Program



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www.medschool.lsuhscc.edu/genetics

The Genetics Department

The Department of Genetics, established in 2000, is one of six basic science departments in the School of Medicine. The mission of the Department is to provide state of the art education, research, and community outreach in the area of genetics and genetic education.

The Genetics Department shares the 6th floor of the Clinical Sciences Research building with the Gene Therapy Program, resulting in a synergy that enhances both groups. In addition, members of the Department are affiliated with the Louisiana Cancer Research Consortium, the Neuroscience Center, and the Comprehensive Alcohol Research Center, further diversifying our interactions with other researchers at LSUHSC. The department also has a strong track record of translational research in the areas of trinucleotide repeat disorders (such as Friedreich's ataxia), lung diseases, diseases of the immune system and cancer. We are also harnessing the power of high throughput sequencing and other cutting-edge genetic tools to better understand genetic diversity.

It is an exciting time in the Department to be a member of the faculty and training program. We welcome you to explore our web page (www.medschool.lsuhs.edu/genetics) and enjoy your visit to LSUHSC Department of Genetics!



Our Faculty

The faculty in the Department of Genetics engage in diverse research interests that cut across scientific disciplines thereby enhancing our student's education. The Genetics Department has an average of 40 research personnel including faculty, postdoctoral fellows, research associates, and students, in addition to an administrative team.

Faculty interests include:

- Hereditary cancer syndromes
- Trinucleotide repeat disorders
- Ethical and educational issues in genetics
- Epigenetics
- Gene Therapy
- Genetics of the Acadians
- Genetic Epidemiology
- Cytogenetics
- Neurodegenerative diseases
- Cancer Genetics
- Transcriptional Regulation in Development
- Endocrine Tumor Disorders
- Bioinformatics/Next Generation Sequencing

Research Facilities

In addition to significant laboratory space and Departmental facilities for the culturing of cells, Genetics faculty have access to the following LSUHSC facilities:

- Genomics and Proteomics Core
- Morphology and Imaging Core
- Vector Core
- Flow Cytometry Core
- BSL-3 Laboratory
- Fly kitchen
- Transgenic Mouse Core (affiliation with Pennington Biomedical Research Center)

Prerequisites

Applicants to the Human Genetics Graduate Program must have earned a Baccalaureate degree that includes a minimum of two (2) semesters of biology and one (1) semester of calculus from an accredited college or university. They are expected to have a grade point average (GPA) of at least 3.0 on a 4-point scale and a minimum total score (Verbal plus Quantitative) of 1,100 on the Graduate Record Examination (GRE) Aptitude Tests. All students from foreign countries also need an appropriate score on the Foreign Language (TOEFL) Examination.

Procedure for Applying

Students are admitted to the Ph.D. or M.D./Ph.D. programs at the beginning of the Fall Semester. Applications for admission should be sent directly to the School of Graduate Studies prior to March 1st for entrance the following August. A complete application consists of an application form, a statement of short-term career goals, two (2) official transcripts from each college or university attended, two (2) letters of recommendation (preferably from former professors), official GRE scores, official TOEFL score (if applicable), and a \$30 non-refundable application fee. No applicant will be considered for acceptance until a complete application has been submitted.

