



## UNDERGRADUATE INTERNSHIP OPPORTUNITY

**Internship Title:** Genetic Variant Intern

**Location:** Myriad Genetic Laboratories, University of Utah Research Park

**Timeframe:** October-December 2013

Myriad Genetic Laboratories is a leading molecular diagnostic company located in Salt Lake City. Myriad offers predictive medicine tests that identify hereditary breast and ovarian cancer, hereditary colorectal and uterine cancer, and other hereditary cancer syndromes. Gene specific DNA sequencing allows Myriad to detect these syndromes by identifying disease causing mutations in specific genes. However, not all genetic variants which are identified in DNA testing are disease causing. Initially, some variants are classified as "Genetic Variant of Uncertain Significance" until enough research is done to assign a clinical classification to the genetic variant. That is, whether or not the genetic variant is disease causing or benign. It is the role of Myriad's Variant Specialist Team to collect and analyze data so that these Genetic Variants of Uncertain Significance can be correctly classified. The Myriad Genetic Laboratories Internship Program within the Variant Specialist Team includes these opportunities:

- Introduction to the internal processes of a high throughput molecular diagnostic laboratory.
- Learning and using epidemiological/biostatistical approaches to do hypothesis testing.
- Learning and using basic principles of human cancer genetics to achieve clinically actionable results.
- Becoming familiar with clinical manifestations of certain hereditary cancer syndromes.
- Receive training and become familiar with HIPAA Privacy Rules in a real working environment.
- Working with research specialists in genetics, biology, biochemistry, molecular biology, biostatistics, genetic counseling, and other specialties.
- Networking opportunities in the form of informational interviews with different representatives from different Myriad departments depending upon the Intern's interests.

The intern will be given appropriate education and oversight to achieve at least one independent research project from start to finish. This project will require data mining and puzzle solving skills. "Wet lab" work is not a part of the internship. The ideal Internship candidate will be a senior or recent graduate in a biological science undergraduate major, with a current GPA exceeding 3.0. The candidate must be able to fulfill their research hours at Myriad's corporate office in Salt Lake City within regular business hours. Applicants able to intern 20-40 hours/week are preferred. To apply: fill out the online application for the position "Genetic Variant Intern" at <http://www.myriad.com/careers/current-openings/>. Also, email a cover letter, resume and transcripts to Brianna Burdett at [bburdett@myriad.com](mailto:bburdett@myriad.com). In the cover letter, please indicate how many hours/week you are willing to commit to the internship. The transcripts used in the initial application do not need to be official transcripts, though official transcripts may be requested during the interview/hiring process.