

## Center for Causal Consequences of Variation (CCV)

George Church Lab

### 2014 CCV Summer Undergraduate Research Internship Program



## Harvard Medical School

The Church Lab (Department of Genetics) at Harvard Medical School is offering paid, 10-week summer undergraduate research internships for underrepresented students interested in research careers in genome sciences. Research Interns will participate in a variety of projects with the Center for Causal Consequences Variation (CCV), a Center for Excellence in Genomic Science (CEGS), focused on the development of cutting edge methods for genomics that hold promise for significantly advancing biological and medical research. CCV is funded by the National Human Genome Research Institute of the National Institutes of Health, and funding for these internships is through the [Diversity Action Plan](#) (formerly Minority Action Plan) of the CCV.

The summer program provides unique opportunities to gain research experience in the following areas of genome science research:

- Molecular Biology
- Computational Biology
- Genetics and Development
- Cellular Biology
- Bioinformatics
- Biotechnology
- Biophysics
- High Throughput Sequencing
- and other areas of bioengineering and the biomedical sciences

By participating in CCV summer internships, students will gain a broader knowledge of genomics and the biological sciences, and experience outstanding scientific research. Research Interns will have the opportunity to:

- Work closely with scientists, postdoctoral fellows, and graduate students
- Work on a supervised independent project with a mentor
- Attend lab meetings, analyze, and discuss recent literature related to their research
- Attend seminars given by scientists and researchers from Harvard, MIT, the Broad Institute, and other research institutions
- Present research to other students, scientists, and mentors
- Participate in academic, social, and professional development programs

**Duration:** 10-week internships will begin in mid-June 2014. All interns are expected to devote 40 hours per week.

**Housing:** Undergraduate interns who are not residents of the metropolitan Boston area will receive assistance in securing free housing in the vicinity of the Medical School.

**Stipend:** \$4,000

**Eligibility:** Undergraduate applicants must be enrolled in a four-year degree granting college or university. **Please note that students must be either U.S. citizens or permanent U.S. residents (Green Card holder) from these underrepresented minority groups: Black/African-American, Latino/Hispanic, Native American/Native Alaskan, Native Hawaiian, or Native American Samoan/Guamanian.**

Students who have an academic record of marked distinction and who have an interest in research careers in the biological and genomic sciences are encouraged to apply. Undergraduates who have completed their sophomore or junior years, and seniors who have not yet earned the bachelor's degree **by the start of the 2014 summer program** are eligible for the internship. First year students (freshmen) and students enrolled in two-year (community) colleges are not eligible to apply.

**Application Requirements:** Application form ([PDF](#), [MS Word](#)), official college transcript, resume, 1000 word essay describing your academic and career goals, and how this research experience in the Church Lab will complement those goals, and two letters of recommendation from professors or other college/university instructors of related science courses in which the applicant has been enrolled.

Application information can be located on this website:

[http://ccv.med.harvard.edu/diversity\\_summer\\_internships.htm](http://ccv.med.harvard.edu/diversity_summer_internships.htm)

**Deadline:** All application materials, including the letters of reference must be received by **Friday, March 7, 2014**.

**Contact:** Please email your application and supporting documents to Alex Hernandez-Siegel at [ahs@genetics.med.harvard.edu](mailto:ahs@genetics.med.harvard.edu) of the Church Lab at Harvard Medical School. Questions regarding the program may also be sent to the above email address. Any items that must be sent by regular mail can also be forwarded to the following address at the Medical School:

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