



Genetic Variant Clinical Assessment Internship

Location: Sandy, Utah.

Length of Internship: August - December 2014

Internship Pay: Hourly wage

Internship Type: 30-40 hrs/week **Start date:** early August **Post date:** 6/25/2014

Number of Positions: 3

Courtagen Life Sciences, Inc. offers clinical genetic testing services to clinicians who specialize in pediatric neurological disorders. Courtagen tests patient samples using large next generation DNA sequencing panels targeted to help diagnose and treat mitochondrial disease, epilepsy and developmental delay. Genetic variation is found in each patient sample and must be assessed for potential clinical impact as part of the test reporting. The intern will be part of the genetic variant clinical assessment team and work will be done within cloud computing to:

- Evaluate Next Generation Sequencing data for quality at specific loci
- Evaluate genetic variants for potential pathogenicity by using
 - RNA splice prediction
 - Multiple sequence alignment/evolutionary conservation prediction
 - Literature search and evaluation
- Assist in report generation
- Complete an Internship Capstone Project

The internship will also provide the following training:

- Learn about clinical level DNA sequencing
- Learn and apply HIPAA and other regulatory guidelines
- Learn about a spectrum of neurological disorders
- Exposure to the workings of a biotech company and opportunities to interact with and learn from Scientists, Bioinformaticians, Clinicians, Marketing and Sales professionals.

Minimal Requirements

- For undergraduates, those beyond their junior year of education are preferred, or recent graduates.
- Biological sciences education (such as any or all of the following course work: genetics, molecular biology, biochemistry, bioinformatics, physiology, neurobiology, etc).

Application

Please email the following materials with "INTERNSHIP APPLICATION" in the subject line to Dr. Julie Eggington at Julie.Eggington@courtagen.com :

1. **Cover letter**, including a statement of available start date and working hours. (Please note that the corporate office is located in Woburn, MA, so early working hours to match east coast time are preferred).
2. **Resume**
3. **University transcripts** (official or unofficial)