**Summer Undergraduate Genomics Internship**

UMass Amherst operates more than 30 core facilities, many of which are housed in the Life Sciences Laboratory (LSL) building which opened in October of 2016. The facilities advance the Institute’s goals to support high quality research and to enhance human health and well-being. The overall Core Facility infrastructure was made possible by a grant from the Massachusetts Life Science Center.

**Description:**

The Genomics Facility on campus is seeking a summer intern for project management, sample processing and sequencing data generation. Interns will get hands-on-experience with the single-cell and next-generation sequencing technology, which includes:

- Sample collection and sample processing for Fluidigm system.
- Coordinating with Flow Core, Microscopy Core, and Biophysical Characterization Core, and other researchers for sample processing.
- Processing sample for Next-generation Sequencing.
- Assist in setting up the workflow and troubleshooting protocol.
- Read protocols and instructions, arrange for consumables prior to starting the experiment (with minimum supervision).
- Maintain lab records, and inventory of supplies and consumables, etc.
- Other duties assigned by supervisor (such as machine and routine lab maintenance).

More information about the facility is available here: [http://www.umass.edu/ials/genomics](http://www.umass.edu/ials/genomics)

**Qualifications:**

Interns are expected to be familiar with cell and molecular biology lab setting (pipetting, buffer preparation, general molecular biology calculations, handling cells, DNA and RNA). Prior lab experience preferred.

All mandatory lab and safety trainings to be completed before the start of the internship on July 1, 2018.

Interns will work under supervision of the director, Dr. Ravi Ranjan.

**Workload:**
30 hours a week – starting July 1, 2018

**Compensation:**
$15/hour

**Number of openings:**
One

Any questions about the internship should be directed to nsampath@umass.edu

Please submit cover letter, resume, and one reference contact information, to cberrena@umass.edu by February 28, for priority consideration. In the subject line mention: Genomics Summer (your Last Name, First Name).