Research Technician II  
Department of Biostatistics and Bioinformatics

Occupational Summary
Perform a variety of complex technical duties involved in conducting high-throughput genomics experiments in support of research efforts in the Reddy Lab at Duke. The work will be in support of large-scale production style data generation projects in the lab. Work will be performed under the direction of the project lead, and will primarily report to that project lead. Details of the Reddy Lab can be viewed at http://reddylab.org.

Interested applicants apply online at https://hr.duke.edu/careers/apply. Requisition # 401228905

Work Performed
Perform a variety of complex technical duties involved in completing high-throughput sequencing experiments. Tasks to be performed will include chromatin immunoprecipitation; RNA purifications; and DNA purification from cultured mammalian cells. Purified nucleic acids will then be processed into high-throughput sequencing libraries using both standard and automated molecular biology steps.

Culture of mammalian cells using sterile technique; expansion of cell seed stocks; growth of cells in preparation of experiments; transfection of cells using both transient and viral approaches; treatment of cells using small molecule compounds and steroid hormones; and harvest of cells for downstream molecular analysis using but not limited to gel electrophoresis, PCR, and high-throughput sequencing.

Perform routine laboratory tasks related to the above goals including preparation of reagent stocks, cell grown media, and buffers; maintaining sufficient supplies and equipment for performance of duties; cleaning and maintain laboratory equipment.

Review results and quality control from completed experiments; record results in lab information management system (LIMS).

Perform other tasks and special projects as assigned.

Education/Training
Work requires a bachelor's degree in biology, biochemistry, molecular biology, genetics, or other science related scientific field.
Experience

Previous molecular biology or biochemistry experiences a plus.

Or an equivalent combination of relevant education and/or experience.

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