Genome Analysis & Technology Core
Mini Grant Program

Co-Sponsored by Illumina and 10X Genomics

Deadline: March 30, 2018

Description

The University of Virginia School of Medicine Genome Analysis & Technology Core (GATC) is pleased to announce, in collaboration with Illumina and 10X Genomics, a mini grant program to facilitate access to its genomics NGS resources for the generation of preliminary data for grant applications.

This collaborative pilot award will include library preparation and sequencing on a NextSeq 500 flow cell (up to 400 million reads) for 1 winner. Applications will be reviewed and the winner announced on April 9, 2018.

Objective

The goal of this program is to support UVA researchers as they seek to generate pilot data to submit in support of future grant applications, and to promote the utilization of the School of Medicine core's cutting-edge next-generation sequencing technology for genomic and translational research.

Example Runs on NextSeq 500 System*

- 4,000 single cell RNA-Seq (at 100,000 reads /cell)
- 1 human whole genome
- *2 human whole genome methyl-seq experiments*
- 12 exomes, 16 transcriptomes, *18 ChIP-Seq experiments*
- *48 small RNA-seq experiments, 96 small genomes (<5 Mbp)*

* Sample number will vary depending on desired coverage and number of reads

Eligibility

- Applicants must hold primary research positions at UVA or in any one of UVA's academic partners.
- Applicants must be planning to submit a grant application to support a broader research aim for which they need pilot data. This award is not meant to be used to generate data for current research awards.

Apply

Please submit your abstract of one page or less to Dr. Katia Sol-Church at ks5uq@virginia.edu by March 30, 2018 to be considered for this grant program. Briefly describe your

1- Research rational,
2- 2- Proposed experimental design and kit requested. For example: "This is a request for mRNA library prep support and 75 bp Paired End RNA-Seq on 6to 12 mice (depending on coverage). All other associated service cost for RNA and library QC, as well as Data analysis and validation studies will be performed using current research support
3- 3-Projected date of grant application submission.

The Winner will be announced on **April 9, 2018** during the GATC technology workshop (stay tuned for further announcement for this event).

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