

APPLICATION INFORMATION:

Vouchers are available for Kentucky investigators interested in transcriptome sequencing, comparative gene expression (RNA-Seq), 16S rRNA metagenomics analysis, PCR product amplicon sequencing, small whole genome sequencing, small RNA sequencing, and single-cell sequencing. Sequencing will be performed by the Genomics Facility of the University of Louisville. Initial bioinformatics analysis will be provided by the KBRIN Bioinformatics Core. Involvement of students in the project is a requirement. Data from supported projects will be submitted to the NCBI GEO or SRA database. By accepting a voucher, P.I.s agree to provide a 1-page outcome summary within 12 months, and agree to give a presentation about their supported work during our weekly Bioinformatics Journal Club meetings at UofL. Failure to provide these outcome summaries will disqualify P.I.s from future voucher funding.

JUDGING CRITERIA:

Applications will be evaluated for scientific merit, relevance to public health, student involvement, experimental design and feasibility. Plans for publication and/or submission of pilot data for grant applications should be mentioned. Such plans must include citation of NIH award P20GM103436. Investigators who have not had previous KBRIN Voucher support will be given priority. Projects that incorporate new or less common library preparation protocols and methods developments, specifically single-cell sequencing projects, are encouraged to apply.

SUBMISSION INSTRUCTIONS

Please submit the following documents – using NIH PHS398 forms and instructions:

- NIH Face page 1 form (no institutional signature needed)
- NIH Project Summary page 2 form
- Research Abstract 1 page max that includes:
 - Study title and objective with statement of relevance to public health
 - Experimental design, including
 - type of project (i.e. RNA-Seq; 16S RNA-Seq, single-cell Seq etc)
 - species
 - preferred library prep method (e.g. ribosomal depletion or poly-A enrichment for RNASEq), if any
 - amount of RNA or DNA starting material that can be supplied
 - numbers of samples, groups and replicates
 - Estimated required depth of coverage, read length and analysis needs
 - Time frame when samples will be available
 - Description of how the data will be used (e.g. grant proposal, publication, etc)
- If you received any previous pilot award, please list publications which cite P20GM103436 and/or grant applications that were a direct result of the award.

Also submit as NIH format attachments:

- IRB approval notice, Human Subjects Protection section, Human Subjects Education certification, and Targeted/Planned Enrollment Table (if applicable).
- IACUC approval, Vertebrate Animal 5 points (if applicable)

Submit the entire application package as one pdf file, and the Research Abstract items as a separate Word doc, as email attachments to Wolfgang Zacharias (w0zach01@louisville.edu) with the subject line "KBRIN NextGenSeq Proposal 2021".

DEADLINE

5:00 pm (Eastern time) Fri Dec 18, 2020.

Selected projects will be notified no later than 5:00 pm Friday, Feb 5, 2021. Approved projects will be processed beginning May 2021.