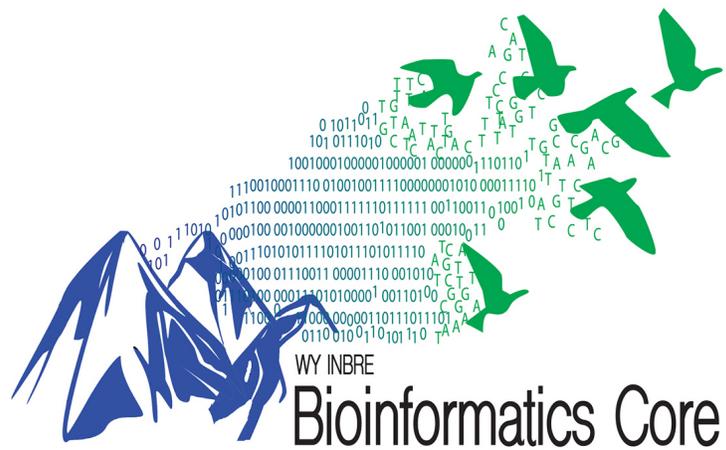


# EXPRESS SEQUENCING AND BIOINFORMATICS ANALYSIS GRANTS PROGRAM 2019–20

Wyoming INBRE Bioinformatics Core  
University of Wyoming

<https://ibc.uwyo.online>

July 31, 2019



**Application Deadline**  
**Monday August 26, 2019 at 5pm MST**

The NIH NIGMS-funded Wyoming IDeA Networks for Biomedical Research Excellence (INBRE) Program's Bioinformatics Core (IBC, <https://ibc.uwyo.online>) requests proposals from University of Wyoming and Wyoming community college faculty and researchers to the Wyoming INBRE Sequencing and Bioinformatic Analysis Program of 2019–20. The immediate goal of this program is to provide support for the acquisition of next-generation sequencing data (genomes, transcriptomes, amplicon analysis etc.,) and/or analysis of data that will strengthen the research program of the applicant. Additionally, funds may be used for sample prep and sequencing. Funds may not be used for sample acquisition (*e.g.*, tissue/sample culture or collection of samples in the field), nor for purchase of laboratory supplies or reagents unrelated to the proposed work. Anticipated outcomes of this support include, but are not limited to, conference presentations, peer-reviewed papers and/or production of preliminary data for nationally competitive grant proposals. The longer-term objective of the program is to enhance bioinformatics research and training in Wyoming, as a contribution towards furthering the goals of Wyoming INBRE. Faculty, postdoctoral fellows, and other research personnel (*e.g.*, academic professionals but not graduate students) are encouraged to apply. Projects with a training component involving undergraduate or graduate students will be preferentially considered. Awarded funds must be spent (not simply billed by) by April 15, 2020. **Funds may not be used for any purpose other than those described above.**

In previous years, the average funded amount for successful applications through this grant program was **\$8900**. If the amount requested does not fully support the applicant's project costs, the applicant must provide an explanation of the source of additional required funds. Depending on the number of applications received, the amounts awarded to successful applicants may be less than requested. If there are any questions with respect to the cost or feasibility of a proposed project, please do not hesitate to contact the IBC. Additionally, the IBC is happy to provide support for experimental design if requested. These, and any additional questions, should be directed to [wyoinbre@gmail.com](mailto:wyoinbre@gmail.com).

## Judging Criteria

Applications will be assessed based on: (1) completeness and clarity of project description including adequate survey of literature in the area of research (2) degree of novelty of proposed project; (3) benefit to applicant's research program; (3) where relevant, dissemination of previously generated next-generation sequencing data and analysis; (4) involvement of student trainees; (5) appropriate and well-justified amount of request; and (6) past history of funding from WY INBRE to the sponsoring lab and their products as well as reporting those products to WY INBRE. **Please note: Applications without the required number of written quotes will be rejected without review. See below for details.**

## Choice of Facility / Service Provider

Applicants are encouraged to propose use of a sequencing facility of their choice, particularly if they have already established a successful working relationship with such a facility. The IBC requests 3 well-considered competitive quotes in writing for each submission. All quotes must contain the same statement of work and must not include any bioinformatics data analysis unless that service is provided free of charge. Applicants are encouraged to consult the IBC for advice on service providers and interpretation of quote results. **Please allow sufficient lead time to receive**

**quotations from service providers; they can take up to 2 weeks.**

**New this year:** For those who (1) have received sequencing funding from the IBC in the past 4 years and (2) have an established relationship with a provider, only one quote is necessary. If you are planning on providing a single quote, we *strongly* encourage you to email and confirm your eligibility for this provision with us ahead of time.

## **Award Conditions**

Successful applicants will be required to participate in an INBRE event in which they will provide brief presentations on their supported project and how the knowledge gained has been used to advance bioinformatics components of the applicant's research and/or educational program. Program participants will also be required to complete brief surveys to allow programmatic assessment. All products resulting from the award must be reported through the Product Reporting Form on our website and must fully acknowledge this funding source.

## **Proposal Formatting Guidelines**

Font size: 11pt or larger; Margins: 1 in or larger. Include all of the following requested information in a **single pdf** document and email it to **wyoinbre@gmail.com** with the subject heading **IBCseq2019-20\_YOUR\_LAST\_NAME** on or before **5pm on Monday, August 26, 2019**. You will receive email confirmation of receipt. Incomplete or late applications will not be considered. Notification of awards will be made by **September 15, 2019**.

## **Investigator Information (1 page)**

Name of investigator, position, institution, department, and contact information. List all past WY INBRE funding for you or members (past or present) from your lab.

## **Project Description (1 page excluding references)**

1. Description of proposed sequencing and/or bioinformatics analysis project, including its scientific merit.
2. If generating new sequencing data, how do you propose to ensure the novelty of the data?
3. How do you plan to disseminate results to the scientific community at large? Provide specific examples from past research.
4. If estimated project costs exceed the requested amount, provide an explanation on how these costs will be supported.
5. What if any other funds are available to complete the proposed sequencing work?
6. When do you expect to send out samples?
  - depending on the number of applications we receive, preference may be given to projects that are ready to go. Providing unrealistic timelines for submitting samples to a sequencing facility could impact future funding.

**Budget and Justification (no word limit)**

Detailed listing of funds requested and explanation of their relevance to the proposed work. This includes explanation of sequencing effort (*e.g.*, coverage, sampling scheme).

Provide at least 3 sequencing quotes from different service providers. Unless there is a compelling justification as to the preferred service provider, the amount awarded will equal the lowest of the three quotes.