News, Opportunities and Deadlines for July 2019

LBRN Summer Research Experiences for Undergraduate and Graduate students

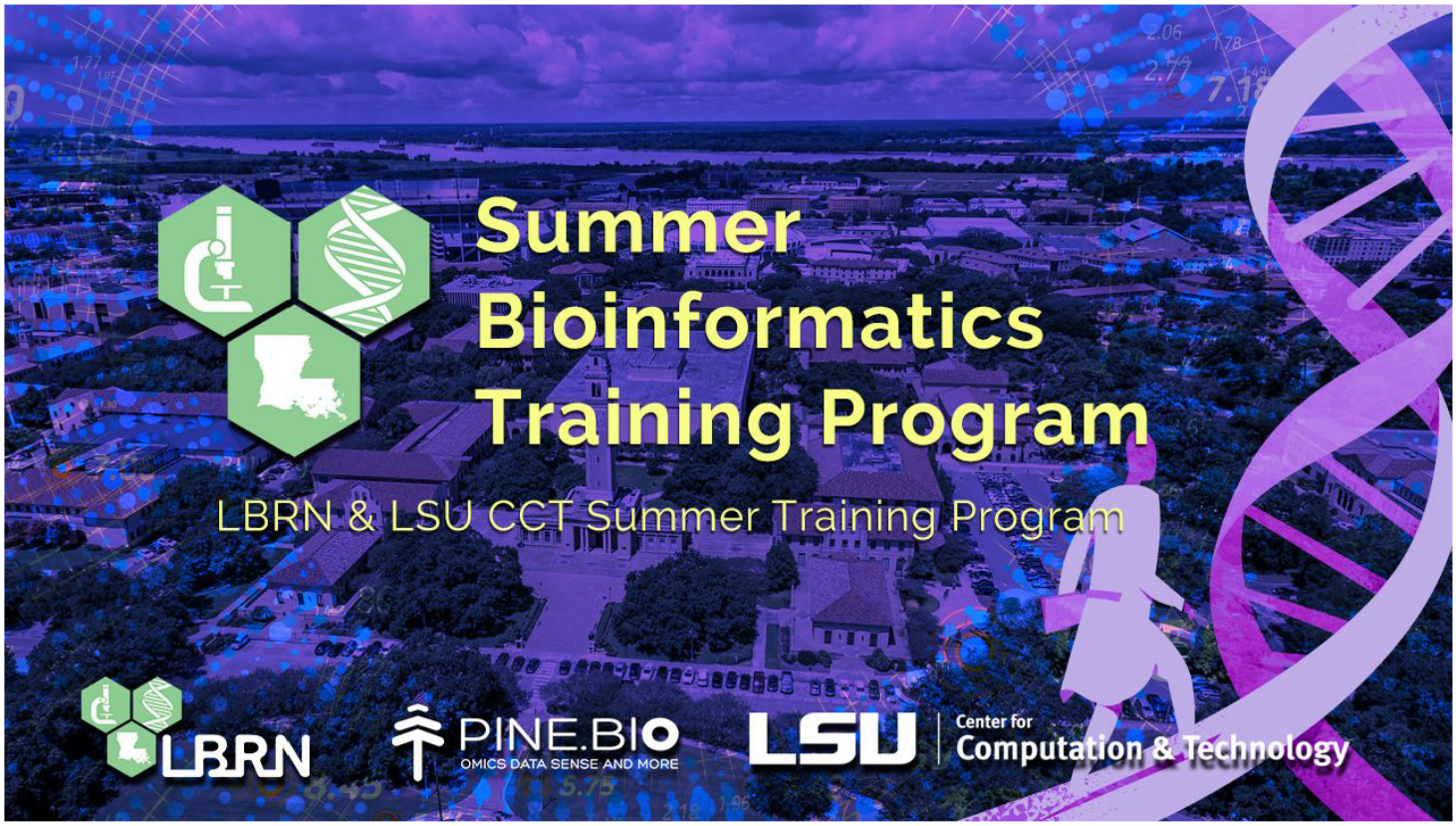
The Louisiana Biomedical Research Network (LBRN) sponsors a summer research program in support of undergraduate students, graduate students and faculty from any Louisiana institute. We offer qualified participants the opportunity to work in established research laboratories at Louisiana State University Baton Rouge (LSU), LSU Health Sciences Center in New Orleans, LSU Health Sciences Center in Shreveport (LSUHSC-S), Pennington Biomedical Research Center (PBRC), Tulane Medical Center, or Tulane National Primate Research Center (TNPRC). The goal of our program and funding is to support biomedical research through an increase in graduate school admissions in these scientific fields and make Louisiana researchers more competitive in obtaining federal funding for research.

The schedule for undergraduate students covers nine weeks during the summer; the summer program dates are May 20 - July 26, 2019. The schedule for graduate students and faculty is more flexible. It is expected that an agreement be reached between the program participant (undergraduate student, graduate student or funded faculty) and the intended mentor. It is expected that the agreement to mentor an LBRN participant is a mutual one between the intended mentor and the funded participant.

This summer's program we are funding 20 undergraduates from 10 universities, 8 graduate students from 6 universities, and 2 faculty from 2 universities across the state this summer. These participants are involved at their mentoring institutions at LSU, LSUHSC Shreveport, PBRC, and Tulane Medical Center this summer. We're excited to see the results by the Undergraduates at the 26th Annual LSU Summer Undergraduate Research Forum (SURF) at LSU on Friday, July 26, 2019. The graduate students and faculty will present their research at our Annual Meeting in January to be announced later. More information for SURF will be available here: LSU Summer Undergraduate Research Forum

All are welcome (Faculty, Staff, Students, Parents) to SURF this Friday, July 26, 2019 from 1pm-4pm.

LBRN Summer Bioinformatics Training Program



The Louisiana Biomedical Research Network (LBRN) is happy to announce registration for the second Summer Bioinformatics Training Program. The Summer Bioinformatics Training Program will focus on transcriptomics data and will support an independent or team project with workshops, online materials and a hackathon. The topics we will cover include finding and evaluating Next Generation Sequencing data, data acquisition, quality control, processing, differential analysis and interpretation.

Opening Introduction Session: July 1, 2019 (Monday, 10AM - 11AM)
Additional Session: July 8, 2019 (Monday, 10AM - 12PM)
Review Session: July 22, 2019 (Monday, 10 AM - 1PM)
Hackathon: August 9, 2019 (Friday, 10AM - 1PM)

After completing the workshop participants will be able to:

1. **Transfer sequencing data onto a server**
2. **Perform quality control on raw sequencing data**
3. **Pre-process and filter sequencing reads for further analysis**
4. **Map sequencing reads to the relevant reference genome**
5. **Quantify transcript abundance and estimate transcript expression**
6. **Perform statistical analysis to identify differential expression among samples, conditions or treatments**

The entire summer program will be delivered remotely including all sessions and review workshops. The program costs will be covered by LBRN for LBRN PUI campuses for faculty, postdoctoral fellows and students. All supported registrations subject to approval. Limited number of applicants will be accepted on a first come first serve basis. Interested parties need to register at the following website as soon as possible.

Current information about this program is available on the LBRN
Website: https://lbrn.lsu.edu/2019-LBRN-Bioinformatics-Summer-Program.html

Registration deadline was: June 24, 2019, Program is now in progress.

Webinar for Postdoctoral Research Associate Training (PRAT) Program Applicants

Wednesday, June 19, 2:00-3:00 p.m. ET

PRAT is a competitive 3-year fellowship program that prepares trainees for leadership positions in biomedical careers. Training includes a mentored laboratory research experience and intensive career and leadership development activities. PRAT fellows conduct research in laboratories in the NIH Intramural Research Program (IRP) in basic biomedical research areas within the NIGMS mission. These areas include, but are not limited to, biological chemistry, biophysics, bioinformatics, cellular and molecular biology, computational biosciences, developmental biology, genetics, immunology, neuroscience, pharmacology, physiology, and technology development.

Graduate students considering postdoctoral research opportunities at NIH, or current NIH Intramural Research Training Award postdoctoral fellows who started no earlier than July 1, 2018, are eligible to apply. All applications require connecting with an investigator in the NIH IRP in advance of writing the application.

To access the webinar, visit the WebEx meeting page and enter the meeting number (access code) 626 200 454 and the password nigms. You can also attend by phone by calling 1-650-479-3208 from anywhere in the United States or Canada and entering the meeting number. Slides will be posted on the PRAT website following the event.

NIGMS Staff and PRAT Fellows Participating in June 19 Webinar:

- Kenneth Gibbs, Director, PRAT Program

- Mercedes Rubio, Program Officer, PRAT Program
- Miriam Bocarsly, PRAT Fellow
- Tommy Vo, PRAT Fellow
- Sofia Beas, PRAT Fellow

The NIGMS PRAT Program is a competitive three-year postdoctoral fellowship program that provides high quality research training in the basic biomedical sciences in NIH intramural research laboratories. The program prepares trainees for leadership positions in biomedical careers through mentored laboratory research, networking, and intensive career and leadership development activities.

The program places special emphasis on training fellows in all areas that are within the NIGMS mission, including but not limited to biological chemistry, biophysics, bioinformatics, cellular and molecular biology, computational biosciences, developmental biology, genetics, immunology, neuroscience, pharmacology, physiology, and technology development. The PRAT program includes professional development activities tailored to the PRAT fellows, such as a monthly seminar series featuring presentations by current PRAT fellows and outside speakers whom the fellows have invited, and training sessions focused on grant-writing, career planning, communications skills, and leadership skills.

Fall 2019 NIH Regional Seminar on Program Funding and Grants Administration

Nov. 6-8 in Phoenix, Arizona.

The NIH Regional Seminar serves the NIH mission of providing education and training for the next generation of biomedical and behavioral scientists. This seminar is intended to:

- Demystify the application and review process
- Clarify federal regulations and policies
- Highlight current areas of special interest or concern

Who Should Attend? The seminar and optional workshops are appropriate for those who are new to working with the NIH grants process – administrators, early stage investigators, researchers, graduate students, etc. For those with more experience, the seminar offers a few more advanced sessions, updates on policies and processes direct from NIH staff, as well as valuable presentation resources to share with your institution.

Who are the Presenters? The NIH Regional Seminar involves approximately 65 NIH and HHS staff who are brought to a central location in order to educate, share, and hear your questions over the course of two days, plus the pre-seminar workshops. (Faculty page with pictures and bios will be posted this spring, so keep watching this website!)

This seminar is your opportunity to make direct contact with NIH policy officials, grants management, program and review staff, and representatives from the HHS Office for Human Research Protections (OHRP), HHS Office of the Inspector General (OIG), and others. In addition, take advantage of discussions involving more than 600 fellow attendees from around the world.

In addition to learning more about the NIH grants processes and policies through the optional workshops and 2-day sessions, there are opportunities throughout the seminar to *Meet the Experts 1:1*. These 15 minutes chats are a great way to get more specific questions answered by NIH & HHS experts. You'll have the opportunity to sign up in advance or on-site to speak with the expert(s) of your choice participating in the seminar.

What are some of the topics? Here's a quick overview of some of the topics:

- Budget Basics for Administrators and Investigators
- Career Development Awards
- Clinical Trials
- Compliance (Case Studies)
- Current Issues at NIH
- Diversity in the Extramural Research Workplace
- electronic Research Administration (eRA)
- Financial Conflict of Interest
- Fundamentals of the NIH Grants Process
- Grant Writing for Success
- Human Research Protections
- Intellectual Property, Inventions, and Patents
- Loan Repayment Program
- Office of Laboratory Animal Welfare (OLAW)
- Peer Review Process
- Preventing & Detecting Fraud
- Public Access
- SciENcv
- R&D Contracts
- Research Integrity
- Rigor & Reproducibility
- Training/Fellowships
- SBIR/STTR Program
- ….and that's not all!

Can I go ahead and make my hotel reservations now? Yes! See our Hotel/Travel page for all the details. The room block is for a limited time and rooms traditionally sell out before the date for this seminar.

For inquiries regarding the seminar, email NIHRegionalSeminars@mail.nih.gov.

Listserv information is available on the NIH Regional Seminar Webpage.

2019 Southeast Regional IDeA Conference

The **2019 Southeast Regional IDeA Conference** is scheduled for November 6-8, 2019 in Louisville, Kentucky at the Galt House Hotel. We encourage you to attend. This will include various workshops, oral and poster presentation sessions from COBRE, INBRE and IDeA-CTR programs in the southeast region, as well as presentations from NIGMS Program Officials. The website link for more information is: https://seidea19.com/.

DEADLINES:
Conference Early Registration deadline: August 9, 2019
Conference Registration deadline: September 27, 2019
Hotel Registration deadline: September 27, 2019

ABSTRACTS: Abstract submission is not yet open. The deadline to submit an abstract is August 9, 2019.

HPC Training: Basic Shell Scripting

HPC training will be held on Wednesday, July 10 at 9:00 AM in 307 Frey Computing Service Center and broadcast through WebEx for remote users.

Note that all HPC trainings will start at 9:00AM.

Wednesday, July 10, 2019: Basic Shell Scripting
For anyone who works in a Linux/Unix environment, a working knowledge of shell scripting is essential and will boost their efficiency and productivity tremendously. For this tutorial, we will focus on bash as it is one of the most popular shells. This tutorial will include topics such as creating simple bash scripts, flow control, command line arguments, regex, grep, awk and sed. This is a practical tutorial, so we will provide examples and/or hands-on exercises for most of the covered materials.
Prerequisites: LONI or LSU HPC account, Familiarity with Linux/Unix, Editors such as vi or emacs, SSH client such as Putty/MobaXterm for Windows

Please visit http://www.hpc.lsu.edu/training/tutorials.php for more details and register using the link provided.
Users who plan on joining remotely will be provided with a WebEx Link in their registration confirmation email. Please see the system requirements at https://grok.lsu.edu/Categories.aspx?parentCategoryId=3381.

CFA for Short Term Core Projects

Molecular Cell Biology Research Resources Core (**MCBRC**) and Bioinformatics, Biostatistics, and Computational Biology Core (**BBCC**) are calling for proposals to carry out short term projects in collaboration with the Cores. All LBRN researchers can submit a proposal for a defined project that can be carried out in collaboration with the Core facilities listed in the attached Call for Proposals (CFP) on a competitive basis. Each selected project will be allocated $1,500 to fully or partially offset Core expenses. More details can be found in the attached CFP.

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BBC Core Educational Resource

The BBC Core provides introductory educational lecture series on informatics topics that are recorded and streamed. Prior offerings that are available for on demand streaming include;

- An Introduction to Computers and Informatics in the Health Sciences

  http://metagenomics.lsuhsc.edu/lectures/introinformatics/

- An Introduction to Microbial Community Sequencing and Analysis

  http://metagenomics.lsuhsc.edu/lectures/intromicrobiota/

On demand streaming links are available by each lecture along with downloadable lecture slides.

LONI HPC Allocation for LBRN

We are happy to announce that High Performance Computing allocation for supporting LBRN/BBC Core community from the LONI HPC system.

This can be utilized in lieu of individual investigators having to apply for and acquire their own allocations to access the HPC resources. If any of your campus members need access to high performance computing, please have them interface with Dr. Nayong Kim.

NIH Extramural Nexus (NIH/OD)

Clarifying Long-Standing NIH Policies on Disclosing Other Support

Who funds your current research? Make sure to let NIH know. It is required.

Institutions and investigators must disclose all forms of what is termed “other support” when applying for and receiving NIH grants. Other support, as described in the NIH Grants Policy Statement (GPS) Section 2.5.1, includes all resources, regardless of whether or not they have monetary value, available in direct support of an individual’s research endeavors.

This is not new, but rather a long-standing requirement for those seeking NIH grants to be fully transparent regarding all of their research activities both domestic and foreign, which is critical for prudent fiscal management, accountability, and stewardship of U.S. taxpayer funds.

So, do you need to report those other NIH grants you have? Yes. What about a contract from another federal agency? Yes. Grants or contracts that go through another institution, including institutions in foreign countries? Yes. Commercial funds? Yes. Domestic or international positions held by senior/key personnel? Yes. In kind lab or office space? Yes. Scientific materials? Yes. Even if it has no monetary value? Yes. Affiliations (even if described as honorary or adjunct) with foreign entities or governments, including talents programs? Yes.

NIH uses this information to ensure that all resources made available to an investigator, including any foreign activities, are considered prior to making an award. With this in hand, we will know that sufficient levels of effort are committed to the project, there is no scientific, budgetary, or commitment overlap, and only the funds necessary to the approved project are included in the grant award.

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Have Inclusion Questions? Our Revamped Inclusion Webpages Have Answers!

Wondering where to go for information on NIH’s Inclusion policies? Visit the new Inclusion Policies for Research Involving Human Subjects landing page, where you can navigate to learn more about NIH policies on the inclusion of women and minorities and the inclusion of individuals across the lifespan.

The revamped pages include sections on how the policies have been implemented in applications, peer review, and progress reports, and tables with policy notices and resources you can quickly scan to get to the information you need. Still have questions? Check out our inclusion FAQs.

New "All About Grants" Podcast on Writing a Fellowship Application

NIH offers a variety of opportunities for researchers early in their career. Individual fellowship (F) awards provide research training opportunities to trainees at the predoctoral, graduate, and postdoctoral levels. In this next installment of the NIH's All About Grants podcast series, Shoshana Kahana, Ph.D., NIH Research Training Policy Officer, discusses the F application process, sharing tips and best practices for developing a strong application **(**MP3 **/** Transcript**).**

Tune in for the A to Z on F applications, including where to start, the role of sponsors, and what NIH is looking for as they review applications. She also explains the considerations for applications involving clinical research, and offers advice for unfunded applicants.

For even more information, see the NIH Fellowships page.

Project Summary/Abstract and Project Narrative: What's the Difference and What to Include

When writing an NIH grant application, applicants are asked to develop a Project Summary/Abstract and a Project Narrative, two sections that, if funded, are made available on RePORTER to help the public understand the value of NIH-funded research. Check out the table below to see how they compare and what to include.

Project Summary/Abstract	Project Narrative
A succinct and accurate description of the proposed work	Communicates the public health relevance of the project to the public
30 lines of text or less	No more than 2-3 sentences
Use plain language understandable by a general audience	Use plain language understandable by a general audience
Include: the project's broad, long-term objectives and specific aims, and a description of the research design and methods. **Do not** include: proprietary or confidential information, or descriptions of past accomplishments.	Describe how, in the short or long term, the research would contribute to: the fundamental knowledge about the nature and behavior of living systems, and/or the application of that knowledge to enhance health, lengthen life, and reduce illness and disability.
If the application is funded, the summary/abstract will be available on RePORTER	If the application is funded, the narrative will be available on RePORTER

- # Breaches of Peer Review Integrity

It is a priority to us to continue to engage with the community about what constitutes a breach of NIH peer review integrity – including, but not limited to:

- A reviewer sending grant applications to their postdocs to write their critiques
- Someone revealing that they reviewed a particular application
- A reviewer disclosing how another reviewer scored an application
- A principal investigator (PI) approaching a reviewer at a scientific conference to discuss her/his institution's application in which s/he is designated as PI

Yes, each of these constitutes a breach of NIH peer review integrity. The NIH defines a breach of review integrity as any violation of a core value of NIH peer review:

In previous communications, we outlined NIH policy on confidentiality of the peer review process and the responsibility of all those involved to uphold integrity. We also outlined potential consequences of breaches of review integrity, such as terminating the review or Council member's service in peer review, pursuing a referral for suspension or debarment, or other possibilities that could result in criminal penalties. Maintaining review integrity continues to be a matter of great concern, not only to the NIH but to the entire biomedical research community.

...Continue reading

NIH LBRN Acknowledgement

So that we can most effectively communicate the scope and results of our funding support, we would like to know when you are planning news announcements about IDeA awards or program activities and achievements…

When you produce such material, please be sure to identify the IDeA program, not just the INBRE, COBRE or sub-program, and to provide context about the program's goals along the lines of:

The University of _____ has received $XXX from the National Institutes of Health (NIH) to support an Institutional Development Award (IDeA) Center of Biomedical Research Excellence. The IDeA program builds research capacities in states that historically have had low levels of NIH funding by supporting basic, clinical and translational research; faculty development; and infrastructure improvements.

In journal articles, news releases, or other materials about your program's activities or achievements, please use funding acknowledgement language such as:

Research reported in this {publication, release} was supported by an Institutional Development

Award (IDeA) from the National Institute of General Medical Sciences of the National Institutes of Health under grant number 5 P20 GM103424-15 and 3 P20 GM103424-15S1.

• In journal articles, oral or poster presentations, news releases, news and feature articles, interviews with reporters and other communications, acknowledge the IDeA program's full or partial support of the research. The citation in scientific publications should use the following format:

Research reported in this publication was supported by an Institutional Development Award (IDeA) from the National Institute of General Medical Sciences of the National Institutes of Health under grant number P20GM12345.

• If you wish to acknowledge NIH/NIGMS funding on your Web site or other communication product, you may use wording such as:

Funded by an Institutional Development Award (IDeA) from the National Institutes of Health.
or
Funded by the LBRN (P20GM12345)an Institutional Development Award (IDeA) from the National Institute of General Medical Sciences of the National Institutes of Health.

Please do not use the NIH or NIGMS logo to acknowledge funding, as these logos are only to be used for material produced by NIH and its components.