

## News, Opportunities and Deadlines for November 2022

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### 21st LBRN Annual Meeting

January 20-21, 2023

LBRN team is pleased to announce that the 21st Annual LBRN Meeting will be held at LSU school of Veterinary Medicine on the **20th and 21st of January, 2023**.

Each year the LBRN program has an annual meeting in which program participants, committee members and administrators meet to review individual research accomplishments and to discuss the overall program activity. Summer research faculty and graduate and undergraduate students are encouraged to present their LBRN sponsored research, and talks are scheduled to highlight sponsored research projects from partnered campuses across the state.

Registration is now open! **All deadlines are December 15, 2022.** Detailed schedule will be updated on our LBRN webpage: <https://lbrn.lsu.edu/annual-meetings.html>.



Louisiana Biomedical Research Network

# LBRN 21st LBRN Annual Meeting

**January 20 – 21, 2023**

<https://lbrn.lsu.edu/annual-meetings.html>

**Louisiana State University  
School of Veterinary Medicine  
Baton Rouge, Louisiana**



The 8th NISBRE Meeting

December 12-14, 2022

The 8th Biennial National IDeA Symposium of Biomedical Research Excellence (NISBRE) will be held **virtually December 12-14, 2022**, while the 2024 and 2026 NISBRE will be held in Washington, DC. Louisiana State University (LSU) has been awarded an NIH: NIGMS U13 grant to organize 2022, 2024, and 20226 NISBRE Meetings.

**The deadline for abstracts has been extended to December 4, 2022.** This is a reminder for you to submit an abstract to the NISBRE2022 virtual conference and prepare an iPoster Presentation. You will be invited automatically to prepare an iPoster after you submit an abstract and register for the conference.

The iPosters will be live throughout the conference and will remain for months afterwards. There is an extra feature that you can get an appointment with anybody that registers for the conference or any other colleague of yours to view and discuss your poster much beyond the end of the conference.

The iPosters are searchable by topic and other keywords and will be checked by researchers in 23 states and Puerto Rico and NIH staff.

The NISBRE is a national scientific meeting to showcase the scientific and training accomplishments of the IDeA program of the National Institute of General Medical Sciences ([NIGMS](#)). The IDeA program develops scientific centers of excellence and trains biomedical scientists in the [IDeA eligible states](#)

Please submit abstracts and prepare iPosters for the NISBRE2022 conference.



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# LBRN Achievements

## LASM plans special tour of Louisiana Tech VISTA work

The VISTA (Visual Integration of Science Through Art) Center offers two interdisciplinary minors-- [Pre-Medical Illustration](#) and [Scientific Visualization](#)-- where faculty from art, biology, and biomedical engineering work together to offer students a unique opportunity to communicate science through art.



Louisiana Tech VISTA Center Co-Directors Professor Nick Bustamante and Dr. Jamie Newman will lead the exhibition tour.

"The Louisiana Tech VISTA Center's program was a perfect match for LASM's interdisciplinary mission and I'm very excited for visitors to hear Dr. Newman and Professor Bustamante speak on this exhibition," LASM Curator Tracey Barhorst said. "VISTA students are encouraged to combine their love of art and science to encourage discovery, inspire creativity, and foster the pursuit of knowledge."

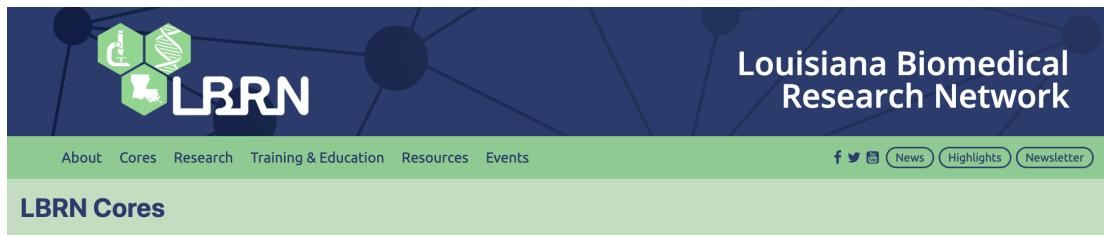
"Working with the LASM team of professionals has been fantastic in making *Illustrating Health* a first-class museum exhibition," Bustamante said. "Louisiana Tech's VISTA Center is thankful for the opportunity to showcase undergraduate scientific illustrations and underline visuals' role in health communication."

LASM's annual exhibition program, including the presentation of *Illustrating Health*, is sponsored by Entergy. *Illustrating Health* is also supported by Louisiana Tech University, Justin and Jeanette Hinckley, Kean

Miller, and the Baton Rouge Clinic.

## LBRN Cores Support Form

LBRN Bioinformatics, Biostatistics, and Computational Biology Core (BBCC) and Molecular and Cell Biology Resources Core (MCBRC) remind you that they are available for questions and contact via our LBRN Cores website. If you're not sure who to reach out to, you can ask via our website [Cores Contact form](#) and we will get back to you with the appropriate resource to do the best we can to answer your question. Look for the "Cores Contact" on the Cores page.



### BBC

The Bioinformatics, Biostatistics, and Computational Biology Core (BBCC) of the Louisiana Biomedical Research Network (LBRN) serves to train and support project investigators and their teams across Louisiana, and to lead and support translational research activities at the frontiers of biomedical science. Its team uses both established and custom computational tools, operating at computational scales ranging from the mundane to analyses engaging many hundreds of compute cores.



### MCBR

Molecular and Cell Biology Resources Core (MCBRC) provides an essential linkage among important basic fields of biomedical science, such as genetics, developmental biology, structural biology, immunology, neurobiology, and cancer biology. The MCBRC takes advantage of existing highly organized, centralized services and equipment facilities located primarily at the LSU flagship institution in Baton Rouge, effectively uniting these units toward the common goal of supporting biomedical research performed by PUI investigators. The MCBRC will provide technical and logistical support, enabling the ready exchange of information, ideas, technology, and research capabilities among PUI investigators. MCBRC will ensure that PUI researchers have full access to state-of-the-art equipment and modern research techniques and services.



### Cores Training & Support

The cores provide one on one training. If you have a question or would like to talk about your training needs, you would like more information about services provided by the cores, or you would like to talk to someone in the core about how someone can assist you, please use Cores Contact link:

[Cores Contact](#)



## LBRN Cores Contact Form

Resize font:  
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Please complete the questions below.

Thank you!

Your Name <small>* must provide value</small>	<input type="text"/>
Your Email <small>* must provide value</small>	<input type="text"/>
Your Institution <small>* must provide value</small>	<input type="text"/>
Indicate which core(s) that best fits / you'd like to contact: <small>* must provide value</small>	<input type="checkbox"/> Administrative Core <input type="checkbox"/> Bioinformatics, Biostatistics, and Computational Core <input type="checkbox"/> Molecular and Cell Biology Resources Core <input type="checkbox"/> Other/Not Sure <small>select all that apply</small>
Please describe what you would like to ask and the question will get routed to the appropriate person in the core or the administrative core will contact you to try to help who is the appropriate person to contact you. <small>* must provide value</small>	<input type="text"/> <small>Expand</small>
<input type="button" value="Submit"/>	

## Weekly Update from DRCB / NIGMS

### Updates from DRCB/NIGMS

Issue 108, 11/21/2022

#### NIH Funding Opportunity and/or Policy Announcements

- Administrative Supplements to Recognize Excellence in Diversity, Equity, Inclusion, and Accessibility (DEIA) Mentorship ([NOT-OD-23-002](#)).
- Notice of Intent to Publish Maximizing Investigators Research Award (MIRA) for Early Stage Investigators (ESI) ([NOT-GM-23-017](#)).
- Change to Award Budget for SBIR/STTR Applications ([NOT-OD-23-016](#)).
- Supporting Data Sciences Research in IDeA States through COBRE Phase 1 Program ([NOT-GM-23-011](#)). Applications Due: January 30.

- Supporting Women's Health Research in IDeA States through COBRE Phase 1 Program ([NOT-GM-23-012](#)). Applications Due: January 30.

## Upcoming Events

- Human Subjects Research: Policies, Clinical Trials, & Inclusion, December 6-7, 12:00-4:00 pm ET. See more information and register [here](#).
- 8th Biennial National IDeA Symposium of Biomedical Research Excellence (NISBRE) Conference (Virtual), December 12-14. See more information and register [here](#).

## Reports/News/Program Messages

- Question and Answer "Office Hour" with NIGMS Staff for IMSD and G-Rise Applicants. See more information [here](#).
  - **Reminder:** FORMS-H Grant Application Forms & Instructions Must be Used for Due Dates On or After January 25, 2023 ([NOT-OD-23-012](#)). [Instructions](#) and [significant changes to form instructions](#) are available for applicant reference.
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## Issue 107, 11/14/2022

## NIH Funding Opportunity and/or Policy Announcements

- Notice of Intent to Publish Maximizing Investigators Research Award (MIRA) for Early Stage Investigators (ESI) ([NOT-GM-23-017](#)).
- Change to Award Budget for SBIR/STTR Applications ([NOT-OD-23-016](#)).
- Supporting Data Sciences Research in IDeA States through COBRE Phase 1 Program ([NOT-GM-23-011](#)). Applications Due: January 30.
- Supporting Women's Health Research in IDeA States through COBRE Phase 1 Program ([NOT-GM-23-012](#)). Applications Due: January 30.

## Upcoming Events

- Pre-application Webinar: COBRE Phase 1 Funding Opportunities for Data Sciences and Women's Health Research, November 16, 1:00-2:30 pm ET, via [Zoom](#). See more information [here](#).
- Human Subjects Research: Policies, Clinical Trials, & Inclusion, December 6-7, 12:00-4:00 pm ET. See more information and register [here](#).
- 8th Biennial National IDeA Symposium of Biomedical Research Excellence (NISBRE) Conference (Virtual), December 12-14. See more information and register [here](#).

## Reports/News/Program Messages

- **Reminder:** FORMS-H Grant Application Forms & Instructions Must be Used for Due Dates On or After January 25, 2023 ([NOT-OD-23-012](#)). [Instructions](#) and [significant changes to form instructions](#) are available for applicant reference.

- NCI Intramural Continuing Umbrella Experiences ([iCURE](#)) program. Applications Due: December 15.
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## Issue 106, 11/07/2022

### NIH Funding Opportunity and/or Policy Announcements

- Administrative Supplements to INBRE Awards to Fund Research Collaborations ([NOT-GM-22-001](#)). Applications Due: January 31.
- Change to Award Budget for SBIR/STTR Applications ([NOT-OD-23-016](#)).
- Supporting Data Sciences Research in IDeA States through COBRE Phase 1 Program ([NOT-GM-23-011](#)). Applications Due: January 30.
- Supporting Women's Health Research in IDeA States through COBRE Phase 1 Program ([NOT-GM-23-012](#)). Applications Due: January 30.
- Clarification of Eligibility for Institutions with Multiple Campuses in "Support for Research Excellence (SuRE) Award" ([NOT-GM-23-006](#)) and "Support for Research Excellence – First Independent Research (SuRE-First) Award" ([NOT-GM-23-007](#)).

### Upcoming Events

- 8th Biennial National IDeA Symposium of Biomedical Research Excellence (NISBRE) Conference (Virtual), December 12-14. See more information and register [here](#).

### Reports/News/Program Messages

- NCI Intramural Continuing Umbrella Experiences ([iCURE](#)) program. Applications Due: December 15.
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## NIH Extramural Nexus

### • What Should I Include in the Project Outcomes Section of My Progress Report?

The Project Outcomes section of the Research Performance Progress Report (RPPR) provides information about the cumulative outcomes or findings of the project. This information is made available to the public through NIH RePORTER, so take that into account when completing this section!

As noted in the [RPPR Instruction Guide](#), Project Outcome summaries should not exceed half a page and must be written according to the following guidelines:

- Is written for the general public in clear, concise, and comprehensible language

- Is suitable for dissemination to the general public, as the information may be available electronically
- Does not include proprietary, confidential information or trade secrets

Importantly, recipients conducting [NIH-defined Phase III Clinical Trials](#) must also include results of valid analyses by sex/gender, race, and ethnicity in the Project Outcome Summary. For more information on valid analysis, see the [Analyses by Sex or Gender, Race and Ethnicity for NIH-defined Phase III Clinical Trials \(Valid Analysis\)](#) page.

Looking for an example to use as a reference? Check out our [Sample Project Outcomes](#) page for examples, including one that addresses the results of valid analysis by sex/gender, race, and ethnicity.

## • **Feedback Sought on Strengthening Capacity for Emergency Clinical Trials**

The White House Office of Science and Technology Policy (OSTP) and National Security council recently released a [Request for Information](#) seeking ideas on strengthening the national capacity of clinical trial infrastructure and emergency clinical trials. An [OSTP blog](#) discusses the importance of having a robust clinical trial infrastructure prepared for an emergency as well as the importance of [inclusive](#) and [well-designed](#) studies.

Echoing the OSTP post, it is a good time to look back on our clinical trial efforts as the public health emergency moves into a new phase. What worked? What did not? How can we apply lessons learned moving forward? In my [earlier reflections](#) on whether NIH made fast and meaningful contributions to respond to the pandemic, I noted, for instance, the importance of (a) working closely with all partners to leverage existing infrastructure, (b) leveraging newly available funding to pivot rapidly in response to the pandemic, and (c) thinking about more than just awards and dollars but rather the generation meaningful results within a remarkably short time. More on our response during the pandemic may be found in [these NIH Extramural Nexus posts](#).

What are your thoughts? Some areas OSTP is interested in include (from their post):

- What do institutions and scientists need to keep the research base warm and ready for action?
- How can we get the enterprise rowing in the same direction from day one, asking the right scientific questions, and efficiently coordinating resources?
- How do we ensure that all Americans and all communities have the opportunity to participate in high-quality, impactful clinical research studies?
- How can we make sure this is organized and governed appropriately, across public and private sectors?
- Are there opportunities to make advance agreements to streamline the research response in real time?

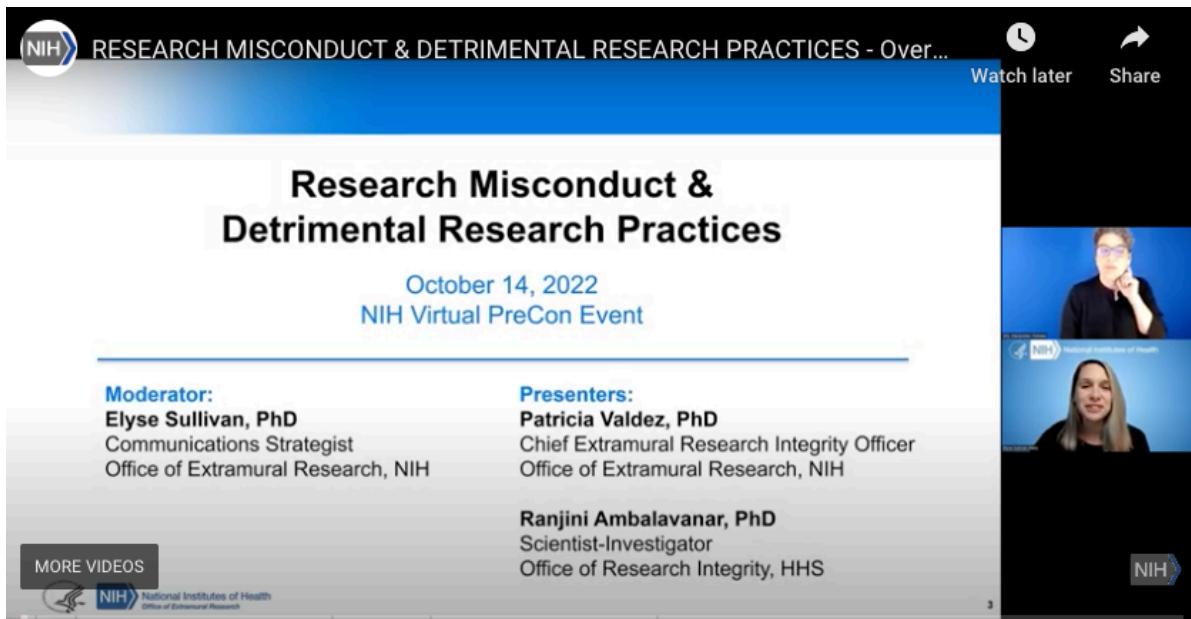
You are welcome to send ideas in response to the Request for Information via email to [emergencyclinicaltrials@ostp.eop.gov](mailto:emergencyclinicaltrials@ostp.eop.gov) (please include “Emergency Clinical Trials RFI” in the subject line).

## • **Test Your Knowledge – Interactive Video of Research**

# Misconduct Case Studies

What are some red flags that may help you avoid research misconduct? Research Integrity Officers from the HHS Office of Research Integrity (ORI) and NIH answer this question and more during our recent [Research Misconduct & Detrimental Research Practices](#) event.

In this interactive session, experts break down several case studies and hear from the audience to explain Public Health Service (PHS) regulations on handling allegations and responsibilities of an institution receiving PHS funds. Tune in to the [recording](#) to join the conversation and check your knowledge on the ethical conduct of research!



## • Webinar Resources: Diving Deeper into the New NIH Data Management and Sharing Policy

The January 25, 2023 implementation date for the new [Data Management and Sharing \(DMS\) Policy](#) is right around the corner. Now is a great time to explore the [many resources and materials](#) to help the community prepare for the new policy!

In August and September, NIH hosted a 2-part webinar series to help the community understand the DMS policy and answer your questions.

Webinar recordings and materials are now available on the [Learning page](#) of the NIH Scientific Data Sharing website. We encourage you to view the recordings if you missed the live events!

Part I of the series was dedicated to understanding the policy basics and covered topics including:

- Expectations of the DMS policy
- Policy applicability

- Preparing DMS Plans
- Considerations for sharing data responsibly

In Part II of the series, we took a deeper dive into the policy and covered topics including:

- Protecting privacy when sharing data from human research participants;
- Responsible management and sharing of American Indian and Alaska Native participant data;
- The interaction of the Genomic Data Sharing Policy with the Data Management and Sharing Policy; and
- Other topics including intellectual property, informed consent, secondary research, and timelines for sharing.

Don't forget to consult our [DMS Policy Overview page](#) to review the expectations of the policy and dig into the details.

## • **Where Should My Data Management and Sharing Plan Be Included in My Application for Funding?**

For applications being developed for due dates on/after January 25, 2023, Data Management and Sharing (DMS) Plans will be collected in a NEW field called “Other Plans” on the PHS 398 Research Plan and Career Development Award forms. See [Writing a DMS Plan](#) for the details on what to include in a Plan.

Note that any costs to support data management and sharing should be accounted for in either the R&R Detailed Budget Form or the PHS 398 Modular Budget Form along with a brief justification of those costs. See [Budgeting for DMS](#) and the [Application Instructions](#) for details.

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## LONI HPC Allocation for LBRN



To support the LBRN / BBC Core community on LONI HPC systems, we have renewed our high-performance computing allocation for 2022 / 2023.

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](#).

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### LBRN "Core Bucks"



The BBC Core and MCBR Core offer researchers the opportunity to earn “Core Bucks” to support faculty and students upto \$1500. Requests for Core Bucks from Member Institutions must be initiated through the respective Core Contact on campus.



#### **- The Bioinformatics, Biostatistics, and Computational Biology Core (BBC Core)**

The BBC Core serves to train and support project investigators and their teams across Louisiana. It works to enable Louisiana Biomedical Research Network project PIs and their teams to employ Louisiana cyberinfrastructure (especially high performance computing), and to provide bioinformatics services, training, and educational support.

The core provides bioinformatics training, conducts workshops, and provides bioinformatics analysis services. The core also provides access to the IBM Delta Cluster and has a dedicated BBC allocation for the high performance computing resources at LSU. The BBC Core maintains software licenses and access to Ingenuity Pathway Analysis (IPA), Partek Flow, DNASTAR, and Ion Torrent analysis software. In addition, several open source tools for bioinformatics such as bowtie, tophat, cufflinks, samtools, GATK, QIIME, DADA2, Phyloseq, etc. are installed and maintained.

Some examples of standard bioinformatics workflows that can be supported through core bucks requests:

- Gene Pathway Analysis
- RNA-Sequencing Processing and Analysis
- 16S rRNA Microbial Community Analysis
- ITS2 Fungal Community Analysis

Other workflows can be developed or adapted from existing software on an as needed basis.

For more information, see: <https://lbrn.lsu.edu/cores.html#corebucks>



### **- The Molecular and Cell Biology Resources Core (MCBR Core)**

MCBR Core Services include both one-on-one training for faculty and students as well as workshops on topics like bioinformatics and protein purification.

Sample services:

#### **1. Molecular Biology Reagent Equipment and Services**

- GeneLab provides conventional and next generation nucleic acid sequencing (NGS), and recombinant DNA Service. NGS equipment includes Torrent PGM, Ion Proton etc
- NGS Services provides a reliable connection between NGS experiments and the analysis of NGS data

#### **2. Protein Production, Purification and Characterization Laboratory**

- Protein Purification and Characterization includes semi automated Bio-rad profinia affinity chromatography system, AKTA Explorer FPLC system, and HPLC and ultracentrifugation equipment
- Peptide Synthesis and purification
- Protein-protein interactions are investigated using primarily Surface Plasmon Resonance (SPR) implemented on Biacore and ForteBio SPR equipment. Additional physicochemical characterization of protein-protein interactions is available through collaborations with the LSU Department of Chemistry.
- Gene-to-Protein-to-Antibody Services – you provide the gene, we return an antibody

#### **3. Molecular Immunopathology Laboratory Services**

- Pathology Services including necropsy procedures, gross and histopathological examinations and interpretation of immunohistochemistry and special stains performed by veterinarians and histology specialists
- Flow Cytometry and immunophenotyping Services
- Multiplex/Luminex complements immunophenotyping services for rapid and standardized analysis of soluble factors e.g., lymphokines, using bead based array technology.
- Microscopy – contains transmission and scanning electron microscopes, a laser dissection microscope, a Leica TCS SP2 for 3D fluorescence microscope, and a high-throughput digital slide-scanner.

## 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 GM103424-20.

- 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 P20GM103424-20.*

- 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 (2P20GM103424-20) 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.***



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