News, Opportunities and Deadlines for October 2018

Save the Dates !

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LBRN Annual Meeting, Friday January 18 - 19, 2019 @ Center for Computation and Technology, LSU
7th Annual LA Conference on Computational Biology & Bioinformatics, Friday April 5-6, 2019 @ Center for Computation and Technology, LSU

LBRN/CCT - Pine Biotech Fall/Winter Bioinformatics Course Orientation

We are pleased to announce the CCT/LBRN - Pine Biotech Fall/Winter Bioinformatics course for LSU/LBRN Network institutions Students, Grad and Undergrad, PostDocs and Faculty members. In preparation for this Course we are planning to hold an Orientation session On Monday **October 22nd, 2018 from 10am - 12 pm** at LSU CCT. The session will also be streamed via Vibe (formerly ViewMe) Video conferencing software. The session will give an outline of the courses that will be offered during the Fall/ Summer session, and timeline for the various modules and interactive sessions. Faculty/Students/post docs will have 1 week to then decide to register for the course by October 29th, 2018. LSUCCT will support 50 site licenses in total. Students, post docs and faculty are encouraged to attend this orientation session on Monday October 22nd, and avail this excellent opportunity to get trained in Bioinformatics.

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1. On-site attendance

Conference room# 1034 at Center for Computation & Technology, LSU
340 E Parker Blvd, Baton Rouge, LA 70808

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2. Video conference attendance

You can join your meeting entitled ***LBRNCCT-Bioinformatics*** by entering the Meeting ID into the Viewme application.
Download Vibe client for free at https://vibe.ezuce.com/download/ no login account needed.

Or by using WebRTC in Chrome or Firefox: https://vibe.ezuce.com/webrtc/?meetingID=2147516440 ***(recommend downloading client for best experience, however if difficulty connecting with client due to your network restrictions, use WebRTC link)***

Test ahead of time in our test room: INBRE-TEST-2018. Please note only up to 5 connections can test at a time andthe video will be lower quality than the actual session. The actual session will require you to 'raise hand'

option to participate with audio and video during Q&A.

Finally, if you have difficulties connecting with the downloaded client or iOS or Android App, use the WebRTC option from the website as indicated above. If you still have issues, contact John Quebedeaux @ johnq@lsu.edu and do so by this Thursday afternoon so he can get back to you by friday afternoon at the latest. The sooner the better - note that networking difficulties with institutions may take several days to resolve.

If this is your first meeting follow this link for a brief tutorial: https://vibe.ezuce.com/support/guides-tutorials/

PC Requirements:
Windows, Mac or Linux operating systems.
iOS Client available for free in Apple iTunes Store
Android Client available for free on Google Play

Some of the modules offered in the Fall/Winter course are listed below.
1. RNA-seq course
2. Genomics course
3. Epigenetics course
4. Machine Learning for high-throughput biomedical data course
5. Improved/Expanded Intro to Bioinformatics

We plan to add one or two more courses to this list.

We look forward to your participation on October 22nd.

New NIH Peer Review Videos for Applicants

- **New NIH Peer Review Videos for Applicants**

(NOT-OD-19-017) Center for Scientific Review

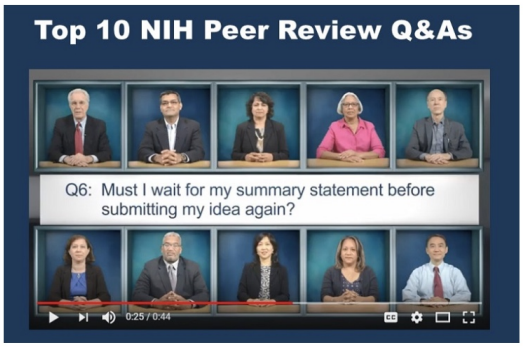
- **Purpose**

The purpose of this notice is to inform NIH grant applicants, their mentors, and grant management officials about two new videos released by the NIH Center for Scientific Review (CSR).

What Happens to Your NIH Grant Application
Most new applicants for R01 or similar NIH research grants cannot attend one of NIH's popular outreach presentations. This video presents one of these presentations, which gives viewers insights into how their applications are reviewed so they can better navigate the NIH peer review process.

Top 10 Peer Review Q&As for NIH Applicants
Applicants ask NIH countless questions as they ready their grant application for NIH peer review. This video enlisted 10 experts from the NIH Center for Scientific Review to answer the top 10 questions about the submission and review of NIH grant applications. Applicants with more questions are encouraged to visit CSR's newWeb page that presents the top 100 NIH peer review Q&As.

These videos are part of a larger collection of NIH peer review videos. They can be viewed and downloaded for later playback by visiting CSR's video Web page.

What Happens to Your NIH Grant Application is one of our most popular outreach presentations	Top 10 NIH Peer Review Q&As for Applicants give you the answers you need
	
NIH Peer Review Revealed provides a front-row seat to a review peer review meeting	**Jumpstart Your Research Career with CSR's Early Career Reviewer Program tells how it works**
	
Webinars provide helpful guidance to R01, R15, Fellowship and SBIR/STRR Applicants	**NIH Tips for Applicants gives applicants practical advice and insights**

Grant Writing Online Course

AMERICAN SOCIETY FOR MICROBIOLOGY

Writing your first grant? Overwhelmed by the grant writing process? Don't know where to start? We can help! Attend ASM's Grant Writing Online Course. This seven-part course will cover a wide range of topics, including:

- The funding landscape
- Core aspects of successful grant applications
- Applying for foundation funding
- Writing impactful biosketches
- The review process

Format

The course is based upon successful ASM professional development models in which participants:

- Attend seven 75-minute interactive webinars presented by experts in the field,

- Complete pre- and post-webinar assignments, and
- Participate in an online community of participants, mentors, and facilitators

Course Participation
In order to get the most out of the course, you are strongly encouraged to:

- Participate in all seven webinars,
- Complete all pre- and post-webinar assignments in a timely manner,
- Interact with online community,
- Participate in surveys for a maximum of 24 months, and
- Have a personal computer

Cost
ASM Member Discount: $175
Full Price: $225

Schedule

- **Webinar #1:** Thursday, September 20 at 2:00 - 3:15 p.m. Eastern Time (ET)

The funding landscape and an overview of the grant-writing enterprise
Presenter: Michael Ibba

- **Webinar #2:** Thursday, October 4 at 2:00 - 3:15 p.m. ET

The core of any successful grant application
Presenter: Eric Skaar

- **Webinar #3:** Thursday, October 18 at 2:00- 3:15 p.m. ET

Addressing rigor and reproducibility in grant applications
Presenter: William Navarre

- **Webinar #4:** Thursday, November 1 at 2:00- 3:15 p.m. ET

Introducing yourself to reviewers: Impactful biosketches
Presenter: Michael Ibba

- **Webinar #5:** Thursday, November 15 at 2:00- 3:15 p.m. ET

The grant review process
Presenters: Cindi Cornelissen and Michael Ibba

- **Webinar #6:** Thursday, November 29 at 2:00- 3:15 p.m. ET

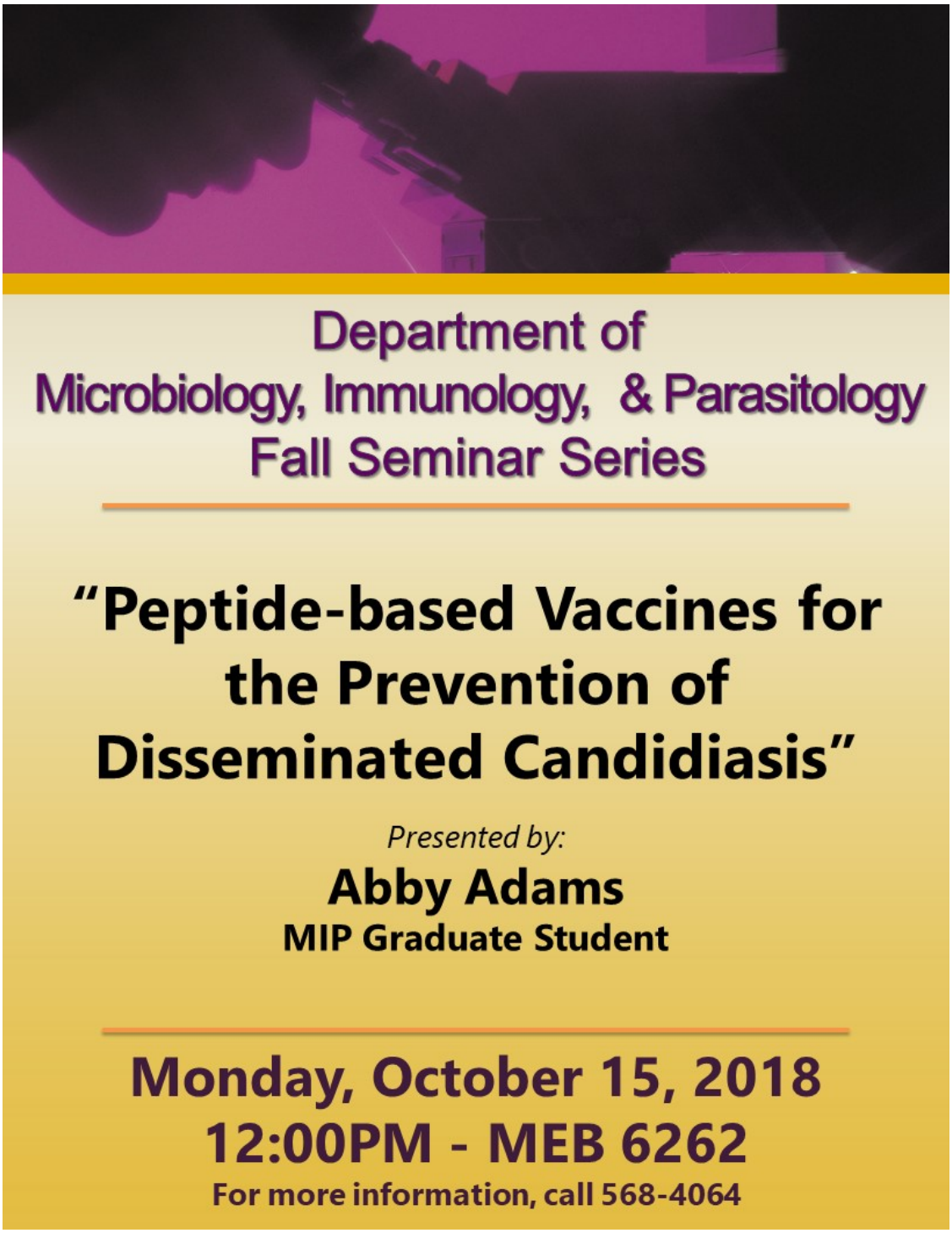
Applying for foundation funding
Presenter: Matthew Sullivan

- **Webinar #7:** Thursday, December 6 at 2:00- 3:15 p.m. ET

Q and A - what do you still need to know to write a winning proposal?
Presenters: Cindi Cornelissen and Michael Ibba

For further information & registration here!

LSUHSC MIP Seminar

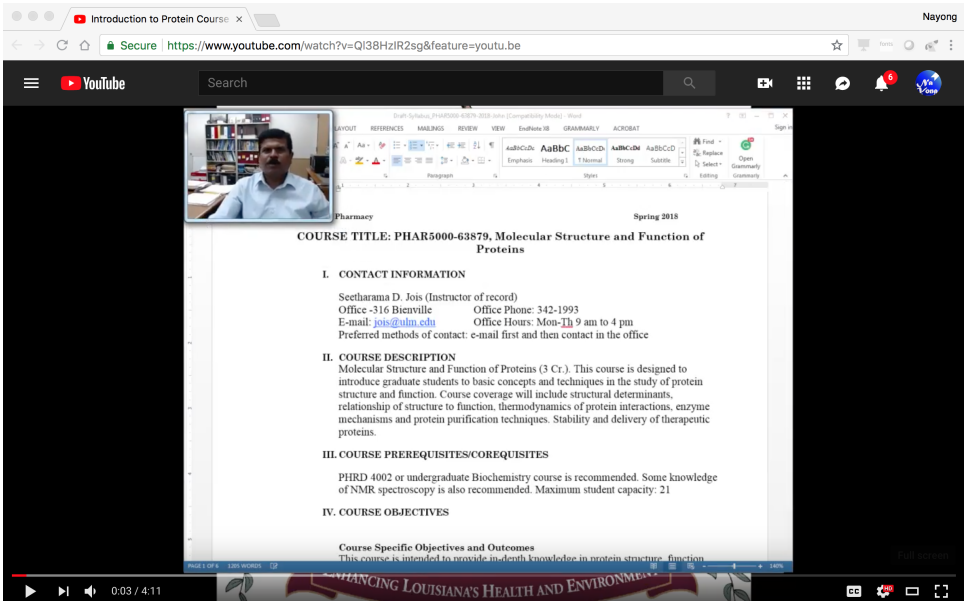


This seminar will be available through Viewme.
*For more information or to be included in **Viewme video conferencing**, please contact **Jonna Ellis.***

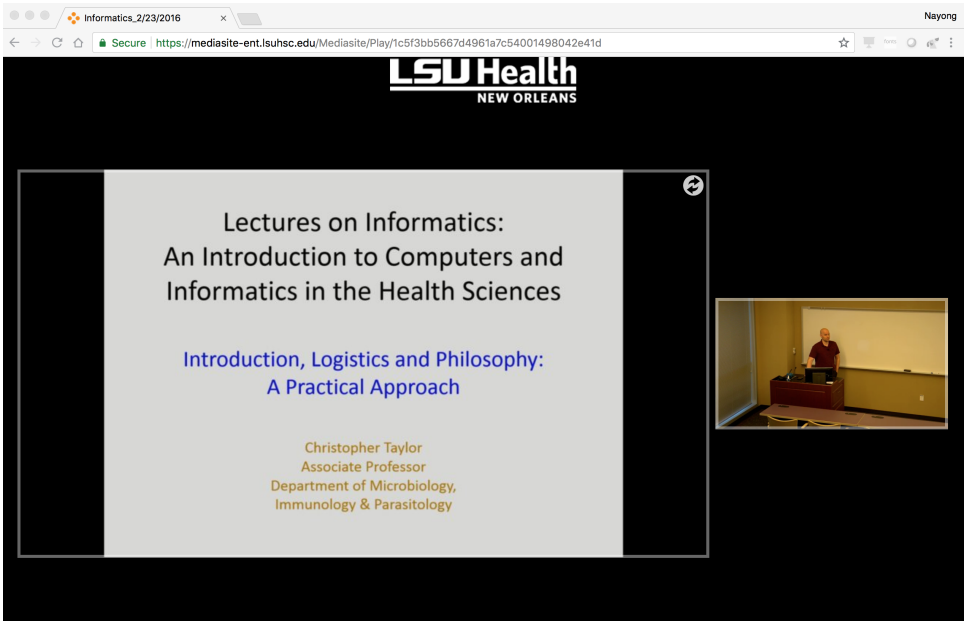
LBRN Lecture Series

This is a series on Molecular Structure and Function of Proteins. Opt-in to this lecture series can be made by this link: Protein Course Opt-In and the following are freely accessible without opt-in permissions the Introduction to

Protein Course and the first lecture of the series: Part 1: Basics of Amino Acids there are 16 parts to the lecture series and the course opt-in form will give Dr. Jois' contact information for anyone more interested in the lecture series.



Please note the already available lecture series by Dr. Chris Taylor on "An Introduction to Computers and Informatics in the Health Sciences" and "An Introduction to Microbial Community Sequencing and Analysis" already available Lecture Series Site from the LBRN BBC Core page: http://lbrn.lsu.edu/bbc-core.html



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.

HPC Training

The schedule for the Fall 2018 HPC Training is available at http://www.hpc.lsu.edu/training/tutorials.php.

Wednesday, October 17, 2018: Data Analysis in R
R is a powerful language for data analysis. In this tutorial, you will learn the data analysis fundamentals with applications in R. The data pre-processing using R will be introduced first, then some basic statistical analysis

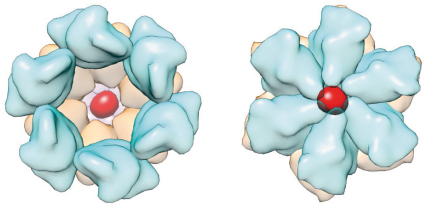
methods such as linear regression, classification as well as re-sampling methods for the basic machine learning will be covered. A few examples of using R to process real-life data will be presented.
Prerequisites: Laptop (Linux/Mac/Windows) with R installed. R can be downloaded from https://cran.r-project.org/, RStudio is acceptable but not recommended for this training; OR LONI or LSU HPC account/SSH client such as Putty for Windows to access the R on the HPC/LONI clusters; Basic understanding of a programming language is assumed but not required.

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.

XSEDE Impact

XSEDE helps the nation's most creative minds discover breakthroughs and solutions for some of the world's greatest scientific challenges. Through free, customized access to the National Science Foundation's advanced digital resources, consulting, training, and mentorship opportunities, XSEDE enables you to Discover More. Get started here.

Science Highlights



The naturally-occurring compound IP6 (red) facilitates the formation and assembly of HIV-1 structural proteins, results from XSEDE Stampede2 and Anton2 systems show. Image courtesy of Perilla et al.

Supercomputer simulations show new target in HIV-1 replication

- XSEDE-allocated resources at TACC and PSC, together with other national resources, model inositol phosphate interactions with HIV-1 structural proteins
- HIV-1 replicates in ninja-like ways. The human immunodeficiency virus slips through the membrane of vital white blood cells. Inside, HIV-1 copies its genes and scavenges parts to build a protective bubble for its copies. Scientists don't understand many of the details of how HIV-1 can fool our immune system cells so effectively. The virus infects 1.2 million people in the U.S. and 37 million people worldwide in 2018. The XSEDE awarded supercomputer time that helped model a key building block in the HIV-1 capsid, its protective shell, and its interaction with a family of small molecules critical for viral function. The discovery could lead to novel strategies for potential therapeutic intervention in HIV-1 replication.

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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.

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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National Institutes of Health
Office of Extramural Research

- ## NIH Policies to Address Sexual and Gender Harassment in NIH-supported Extramural Research

Several months ago, we learned in the press that an NIH-supported investigator was banned from his university campus pending an ongoing investigation into allegations of sexual misconduct. The institution, which was the recipient of the awards in which this investigator was designated as principal investigator (PI), had not informed us of this situation. Once aware, we contacted senior institutional officials to discuss the need to ensure the effective stewardship of the award under these circumstances. We requested that the institution provide us with alternative plans for conducting the research given that this individual would no longer serve as PI and would have no other involvement in the NIH-funded research, and we reminded them (as we recently reminded the community and as reiterated below) that they are responsible for notifying NIH of any change in status that might affect the ability of an individual identified as key personnel to conduct NIH-supported research

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- ## NIH Loan Repayment Programs: A Lifeline for Biomedical and Biobehavioral Researchers: Applications Accepted September 1 – November 15

By the time many researchers have completed their education and training, they have amassed on average $160,000 in student loan debt. The NIH Loan Repayment Programs (LRPs) are a set of programs established by Congress and designed to recruit and retain highly qualified health professionals into biomedical or biobehavioral research careers. The LRPs counteract early-career researchers' financial pressure by repaying up to $35,000 annually ($70,000 over a two-year contract) of a researcher's qualifying educational debt in return for a commitment to engage in research areas important to the mission of NIH.

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Top Stories

The Roles of Fellows and Trainees in NIH Supported Clinical Trials

NIH encourages fellows supported on NIH NRSA Fellowship awards and trainees supported on NIH NRSA Training awards to receive training in clinical research, including in the conduct of clinical trials. Under a mentor's guidance, fellows and trainees can gain experience in the wide variety of research skills specific to clinical trials including, but not limited to: developing a clinical trial protocol; applying the principles of informed consent and requirements for human subjects research; learning about random assignment of participants to different intervention arms; analyzing trial endpoints; and/or implementing quality control standards.

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Join Us for the 20th Anniversary of the HHS SBIR/STTR Conference in Dallas, TX!

This dynamic, national, three-day event is designed to educate attendees about America's Largest Seed Fund and how to access federal resources, develop competitive proposals, and secure awards. At $1 billion dollars of annual HHS funding, this is one of the largest sources of early-stage capital for life science technology commercialization in the United States. Hosted by the Dallas Regional Chamber, A Better Tomorrow: Big Ideas in BioTech will be relevant to a diverse audience, including biomedical entrepreneurs; principal investigators; grants and contracts administrators; and industry partners and investors.

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New Resources

Your Grant Application Questions Answered in New NIH Center for Scientific Review Videos

Curious about how NIH grant applications are reviewed? Get a front row seat to the peer review process in this video created by the NIH Center for Scientific Review (CSR). Investigators will get insights into how applications are reviewed so they can better enhance and advance their applications in the NIH peer review process.

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New Grant Application Submission Tips for Success Videos

Getting ready to apply for a grant and don't know where to start? Set yourself up for success with tips from the experts at NIH. Quickly learn how to access application forms, ensure your application is a good fit for an announcement, and make an important final check of your application after submitting with new videos from the Office of Extramural Research (OER).

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• NIH Online Clinical Research Courses are Now Open

Want to gain knowledge in clinical research and pharmacology? Start learning now through the FREE self-paced courses offered by the NIH Office of Clinical Research.

Introduction to the Principles and Practice of Clinical Research

This course trains participants on how to effectively and safely conduct clinical research.Topics covered in the course include: study design, measurement, statistics, ethical, legal, monitoring, and regulatory considerations, preparing and implementing clinical studies, additional study designs and more. Both the course and registration for the 2018-2019 course year are now open through June 30, 2019. Please visit the IPPCR website. (Note that this course is not intended to be a replacement for required training in the protection of human subjects.)

Principles of Clinical Pharmacology

This course covers the fundamentals of clinical pharmacology as a translational scientific discipline. The course consists of approximately 50 lectures by thought-leaders from around the world. Topics covered in the course include: pharmacokinetics, drug metabolism and transport, drug therapy in special populations, assessment of drug effects, drug discovery and development, pharmacogenomics and pharmacotherapy. Registration for the 2018-2019 course year is now open through June 30, 2019. Please visit the PCP website.

National Research Mentoring Network

NRMN
Mentoring to Diversify the Biomedical Workforce
National Research Mentoring Network

NRMN @ ABRCMS 2018- Travel Award Programs; Apply Today!

ABRCMS is one of the nation's largest STEM conferences for underrepresented minority students. Over the four days, more than 2,000 students present their research, explore over 380 exhibit booths, participate in cutting edge scientific sessions and network with faculty and peers from across the nation.

Research faculty provide the students with valuable feedback by serving as presentation judges and play an essential role in mentoring students and learning strategies for facilitating student success.

The Annual Biomedical Research Conference for Minority Students(ABRCMS) is inviting applications for two travel award programs.

- Research faculty and mentors willing to serve as judges at ABRCMS 2018 are eligible to apply for the ABRCMS Judge Travel Award**.** Apply by **July 20th**
- Undergraduates, postbaccalaureates, and terminal level master's students are invited to showcase their research by submitting abstracts for presentation. The abstract submission deadline is **September 7th**
- Travel funds are available to eligible undergraduates and postbaccalaureates students who submit an abstract for poster or oral presentation. The deadline to apply for a travel award is **August 22nd**

Questions? Contact abrcms@asmusa.org.

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.