RESEARCH AT THE LSU SCHOOL OF PUBLIC HEALTH-NEW ORLEANS
Edward Trapido, Sc.D., Associate Dean for Research

Patricia Arteaga, MBA, Assistant to the Associate Dean for Research and Manager of the ORPH
To advance the public’s health and well being through education, research, and service with a focus on issues affecting LA.
A dynamic population
An environmental researcher’s dream
Disaster-a-year
A focus for emerging diseases
High cancer rates
Guns, Sex, Drugs
An overabundance of food and alcohol
A changing healthcare environment
An Interprofessional environment
A supportive health department
A state in need of public health

WHY IS LSUSPH A GREAT PLACE FOR RESEARCH?
Featured Presenters

- Tekeda Ferguson, PhD Epidemiology
- Adrienne Katner, PhD ENHS
- Donna Williams, DrPH, BCHS
RESEARCH AND SPONSORED PROGRAMS AT THE SPH

- Tobacco Control Initiative
- Studies of HIV and Support for Clinical Services
- Comparative Effectiveness of Prostate Cancer Treatments
- HPV Vaccine Impact
- Cognitive Intervention to Improve Memory in Heart Failure
- Juvenile Justice studies
- Comprehensive School Safety Initiative
- Cancer Survivorhip Studies
- Infectious Disease Studies
- Statistical Methods Development
- Regional AIDS Training Center
RESEARCH AND SPONSORED PROGRAMS AT THE SPH

- Lead in drinking water
- Oil Spill and its effects
- Community Susceptibility and Resilience
- Louisiana Tumor Registry
- Ovarian Cancer
- Prostate Cancer
- Multiple Myeloma
- Comprehensive Cancer Control
- Breast, Cervical and Colorectal Cancer Screening
- Exercise and Obesity among adolescent females
- Studies using GIS Modeling to study determinants of chronic disease
- Cost benefit analyses of medical treatments
BECOMING INVOLVED IN RESEARCH

- Compliance
- Research
  - Class Instruction and Assignments
  - Student Worker
  - SOAR
  - Through Practice and Community Engagement
  - Developing Posters, Presentations, Papers
- Dissertation Research
HIPAA & CITI
- Why Are They Important?
- Modules Chosen for SPH
- Maintaining Current Approval
- Research – data, design, analysis, interpretation, writing papers, grant preparation
- Developing marketable research skills and experiences
  - Jobs in Public Health or Other Areas
  - Those Seeking Further Education and Training

CLASS INSTRUCTION AND ASSIGNMENTS
SPH and other Faculty may have job opportunities which allow development of research skills, working with data, writing reports or papers

- e.g. Louisiana Tumor Registry
Student Organization for the Advancement of Research

What is SOAR:
A student-faculty matching program to provide research opportunities for students at Louisiana State University's Health Sciences Center (LSUHSC) School of Public Health.

Benefits to Students:
SOAR will enhance student's research capacity through increased awareness, collaboration and skill building. Student's will volunteer through SOAR to assist professors with study or project needs, and grant/monographic development in order to gain writing/research experience and authorship. This is outside of the student's course and student worker responsibilities.

Benefits to Faculty:
Faculty who choose to be matched will have access to a student researcher with a given skill set or interest within the faculty member's field or interest area. This match will allow faculty members to further their research by collaborating with students who can assist in data collection or management, literature reviews, manuscript writing and development, as well as statistical analysis. Overall the student-faculty match should benefit the faculty member as well as student, both academically and professionally.

The mission and goals of SOAR are as follows:

Mission:
To enhance student's research capacity through increased awareness, collaboration and skill building.

Three key Focus Areas:
1. Linking faculty need to student desire for research/monographic development.
2. Improving student awareness of faculty research and research opportunites across SFH programs, within other LSUHSC schools and outside LSUHSC.
3. Improving student capacity to procure and develop grants by partnering and collaborating with faculty who possess grantmanship experience.
- SOAR is open to all students
- Goal: Research experience resulting in manuscript within one year
- General Requirements
  - “A” in Epid 6210 and BIOS 6100 or equivalent
  - Comfortable with SAS or equivalent
Through Practice and Community Engagement (more from Dr. Williams)
Obtaining and analyzing data are essential to the usual practice of public health. For many public health activities, data are systematically collected and analyzed, blurring the distinction between research and practice.

Scientific methodology is used both in non-research and research activities that comprise the practice of public health. Because scientific principles and methodology are applied to both non-research and research activities, knowledge is generated in both cases.

Furthermore, at times the extent to which that knowledge is generalizable may not differ greatly in research and non-research. Thus, non-research and research activities cannot be easily defined by the methods they employ.

Three public health activities - surveillance, emergency responses, and evaluation - are particularly susceptible to the quandary over whether the activity is research or non-research.
BECOMING INVOLVED IN RESEARCH

- Dissertation Research: EPID, CHS, BIOS have their own requirements
- IRB Issues? Please discuss with ORPH
OPPORTUNITIES FOR LOCAL PRESENTATIONS AND POSTERS

- Delta Omega Honors Day
  - 1st Week in April (National Public Health Week)
- Graduate Research Day
  - October/November

Each has recognition opportunities
- SGA
- Each Program
- Association of Women in Science

SUPPORT FOR CONFERENCE ATTENDANCE
Help With Posters (LSU SPH help not required)

- $45 for printing
- $45 / hour if you need design help
- Contact Will Monson (wmonso@lsuhsc.edu)
WHEN TO COME TO ORPH

- CITI Training, HIPAA
- Considering work on a research project
- When developing a research proposal
- Questions about research opportunities
- Research Questions
- SOAR
- IRB issues
- Research Forms
IRB?

DO NOT DECIDE BY YOURSELF!

Check with your advisor **BUT you must check with ORPH before deciding or presenting poster or publication.**
Exempt Categories

- Category 1: Classroom research
- Category 2: Surveys, Observational studies, interviews, focus groups
- Category 3: #2 with elected officials
- Category 4: Existing data/materials
- Category 5: Federal Agency initiated programs
- Category 6: Food quality and taste
EXPEDITED REVIEW CATEGORIES

Federal regulations specify:

*The overall protocol must be minimal risk to even be considered for expedited review*

1. Research on drugs or devices for which an investigational new drug or investigational device exemption is not required (e.g., approved drug, non-significant risk device)

2. Collection of blood samples from healthy individuals (limit on amount and frequency of blood drawn)

3. Prospective collection of biological specimens by non-invasive means (examples given)

4. Collection of data using non-invasive procedures routinely employed in clinical practice

5. Research involving materials (data, records, etc.) that have been collected or will be collected solely for non-research purposes.

6. Collection of data from voice, video, digital or image recordings made for research purposes
EXPEDITED REVIEW CATEGORIES-2

7. Research on individual or group characteristics or behavior (such as cultural beliefs, perception, language) or research employing survey, oral history, program evaluation

8. Continuing review of research previously approved by the convened IRB, limited to the following:
   - Research is permanently closed to enrollment, all subjects have completed all research interventions and the study is active only for long-term follow-up
   - Research where no participants have been enrolled and no added risks have been identified
   - Research where the remaining research activity is limited to data analysis

9. Continuing review of research not conducted under an investigational new drug application or investigational device exemption where the research does not otherwise qualify for expedited BUT the IRB has determined and documented at a convened meeting that the research involves no greater than minimal risk and no additional risks have been identified.
Does Your Project Require an Application?

Decision Tree #1

Will you, a member of your research team or a collaborator, observe, interact with, or intervene with individuals to gather information that will be used for research? Examples:
- Surveys, questionnaires, focus groups, interviews
- Games, experiments in physical or in electronic environments
- Physical or biomedical procedures — imaging, scanning, blood collection, anthropomorphic procedures
- Diet, nutrition studies, taste tests
- Studies examining effectiveness of educational tools or curricula
- Use of instruments or devices, including phones, to collect data or monitor or influence behavior
- Passive observation of public behavior (in physical or online environments, including social media)
- Studies examining individuals’ responses to manipulation of their physical or online environment
- Another activity that involves observation of, or interaction with, individuals to gather information for research

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NO, research will use only existing data

Refer to IRB Decision Tree #2 on Existing/Secondary data

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YES

Is the information being collected ‘about’ individuals?

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NO

The focus of the project is on products, methods, policies, procedures, organizations: e.g., interviewing transportation staff and officials about parking or transportation policies and procedures.

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YES

The focus of the project is on people or their opinions, perceptions, choices, decisions regarding themselves or how methods, policies, procedures, organizations etc. affect them or their environment.

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Is this a class project?

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YES

The sole intent of the project to meet course requirements, with no intention to use the results for something other than the course assignment?

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NO

Not human participant research. No application to the IRB office is needed.

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Email

Save

The project may lead to use of the results outside of the course (e.g., for a publication, presentation, thesis).
Project is research with human subjects. An application to the IRB office and written notice of approval required before the study can begin.
Does Your Research Involving Secondary or Existing Data, Documents or Biological Specimens Require Review

Decision Tree #2

Are the data/specimens about or from individuals who are or may be still living?

NO. Materials are from cadavers, or data is about deceased individuals

YES

Are the specimens (human cell lines, tissue, etc.) obtained from a producer or supplier of public use data; or

Is all the information about the specimens/data available in the public domain?

NO

Were/will the specimens/data (be) collected specifically for the research through an interaction or intervention with living individuals?

YES

NO. Project is Not Human Subjects Research

No application to the Cornell IRB office needed

YES. Data is publically available

Can the provider link the specimens/data, directly or indirectly, to identifiable living individuals?

NO. Provider is solely providing, with no role in

YES
With no role in the research, can the recipient link the specimens/data directly to identifiable living individuals either directly or through a code?

Yes: Project is Human Subjects Research. Application to the IRB office and written notice of approval or notice of exemption.

No: Is the provider a collaborator in the recipient's research? i.e. involved in the design, conduct or reporting of the research, listed as collaborator on research proposals or protocols, planned sharing of authorship credit.

Yes: recipient and provider are collaborators on the research.
RESOURCES FOR ASSISTANCE
Research

LSUHSC School of Public Health’s mission and vision is to conduct research across a range of disciplines focused on innovation and high impact. Our faculty member’s studies include focuses in public health and health science including local, state, national and international populations.
Research Resources and Funding Opportunities

Research Resources:

- National Institutes of Health (NIH)
- NIH Commons - The Electronic Research Administration (era) Commons is a virtual meeting place where NIH extramural grantee organizations, grantees, and the public can receive and transmit information about the administration of biomedical and behavioral research. The ERA Commons is divided into unrestricted and restricted portions that provide for public and confidential information, respectively.
- NIH Public Access Policy Information - Power Point describing the process for publication in PubMed
- NIH PubMed Central Manuscript Submission (Part 1) - Video describing process for publication in PubMed
- NIH PubMed Central Manuscript Submission (Part 2) - Video describing process for publication in PubMed
- NIH Policy on Inclusion in Responsible Conduct in Research - The NIH recently issued a notice updating their policy on instruction in the responsible conduct of research. The notice applies to all NIH Institutional Research Training Grants, Individual Fellowship Awards, Career Development Awards (Institutional and Individual), Research Education Grants, Dissertation Research Grants, or other grant programs with a training component that requires instruction in responsible conduct of research.
- PHS 398 Form
- PHS 2099 Form

Grant Writing for NIH

- Grant Writing Tips from NIH
- NIH Information for New Investigators - Currently, NIH encourages new investigators to self-identify by checking a box on the electronic grant application form, so that they can be given special consideration. Peer reviewers are instructed to focus more on the proposed approach than on the track record, and to expect less preliminary data than would be provided by an established investigator. In addition, many NIH institutes and centers give new investigators special consideration in their selection for funding, and in some cases provide five years of support instead of the four that is the NIH average duration for a grant.
- Center for Scientific Review (CSR) Applicant Resources
- Insider's Guide to Peer Review for Applicants - To help new and established applicants submit better applications, the Center for Scientific Review (CSR) asked six current and retired study section chairs to share their personal insights on what makes a good NIH grant application. Read what they said here.
- NIH Peer Review Reconsidered - CSR has produced a series of videos to give you an inside look at how scientists from across the country review NIH grant applications for scientific and technical merit. New and established applicants will find insights and understanding that can empower them to improve the applications and increase their chances for receiving a more positive review.
- All About Grants Podcast - The Office of Extramural Research (OER) presents conversations with NIH staff members. Designed for investigators, fellows, students, research administrators, and others, we provide insights on grant topics from those who live and breathe the information. In mp3 and updated every other week.

Other Resources

- Health Resources and Services Administration (HRSA) Electronic Handbooks (EHBs) tutorial videos
- LSUHSC-NO Office of Environmental Health and Safety
- LSUHSC-NO Office of Compliance Programs
- How to Report Non-Compliance
- LA Board of Regents, Office of Sponsored Programs
- LSUHSC-NO Division of Animal Care
- LSUHSC-NO Office of Technology Management - The primary responsibility of the Office of Technology Management is to facilitate the research enterprise. Specifically, the office assists faculty, staff, and students whose research leads to inventions with the process of transferring significant novel intellectual property from the laboratory to the marketplace. Inventors are strongly encouraged to disclose inventions to the Office of Technology Management before submitting manuscripts for publication.
- National Science Foundation (NSF)
- New Orleans Bioscience Center - The Center is a technology business incubator that aims to stimulate bioscience entrepreneurship in the New Orleans area. Its mission is to assist in the development of biotechnology-related companies looking to commercialize technologies from Greater New Orleans area universities, including LSU Health Sciences Center, Tulane Health Sciences Center, the University of New Orleans and Xavier University.
- LSUHSC Office of Sponsored Projects Manual - Post Award

Funding Opportunities (Electronic Search and Notification Services)

- Grants.gov - This site provides opportunities and individuals to electronically find and apply for competitive grant opportunities from all Federal grant-making agencies.
- GrantForward - GrantForward is a searchable database of science funding opportunities offered by government agencies and private foundations. This service will also automatically provide by email the results of a daily, weekly, or monthly search of your selected key words against the GrantForward database. This subscription service is supported by the Chancellor's Office and is free to LSUHSC-NO users.
- SMARTS - SMARTS provides daily funding opportunity alerts by email based on your keyword selection of searches of the Infotrieve International database for science funding opportunities. These services are provided through support of the LA Board of Regents.
<table>
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<th><strong>LSUHSC-NO Office of Research Services Helpful Administrative Information</strong></th>
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<td><strong>Association for the Accreditation of Human Research Protection Programs (AAHRPP)</strong></td>
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<td><strong>Capital Equipment Policy</strong></td>
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10/30/2018
<table>
<thead>
<tr>
<th>Presentation Title</th>
<th>Presenter Name</th>
</tr>
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<tbody>
<tr>
<td>Grants.gov</td>
<td>Nicole Hammill</td>
</tr>
<tr>
<td>NIH Application Forms</td>
<td>Nicole Hammill</td>
</tr>
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<td>Annotated Forms-E Application</td>
<td>Nicole Hammill</td>
</tr>
<tr>
<td>Tips for Beginning Investigators</td>
<td>Nicole Hammill</td>
</tr>
<tr>
<td>Grant Application Writing</td>
<td>Peter Wimmen</td>
</tr>
<tr>
<td>Conducting a Medicare Coverage Analysis for Clinical Trials</td>
<td>David Whaley</td>
</tr>
<tr>
<td>Preparing Budgets for Grant Applications and Clinical Trial Agreements</td>
<td>Nicole Hammill/David Whaley</td>
</tr>
<tr>
<td>Clinical Trial Agreements, Contract Negotiations, and Processing</td>
<td>Nicole Hammill</td>
</tr>
<tr>
<td>IACUC and IRB Application Basics</td>
<td>Rose Castay</td>
</tr>
<tr>
<td>NIH Public Access Policy/Using My NCBI</td>
<td>Nicole Hammill</td>
</tr>
<tr>
<td>The NIH Peer Review Process</td>
<td>Nicole Hammill</td>
</tr>
<tr>
<td>When In Doubt, Route</td>
<td>Nicole Hammill</td>
</tr>
<tr>
<td>IRB Basics</td>
<td>Ken Kratz</td>
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<tr>
<td>Office of Technology Management Refresher and Policies &amp; Procedures Update</td>
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<tr>
<td>Preparing the NIH Research Performance Progress Report (RPR)</td>
<td>Nicole Hammill</td>
</tr>
<tr>
<td>Using the HRSA Electronic Handbook (EHB) System</td>
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Introducing Researcher Academy

Unlocking research potential

Have you heard the news? On January 14th 2018, Elsevier relaunched its free e-learning platform, formerly Publishing Campus, as Researcher Academy. The relaunch entails much more than a new name and website – it is a new concept designed with you, the researcher, at its very heart.

The e-learning modules and countless resources at Researcher Academy take you through the different phases of the research cycle – from the beginnings of research preparation, through the publishing process, all the way to demonstrating impact. These resources were created to help bridge the gap between academic achievement and professional success – and there is good reason for early and mid-career researchers to seek online training in research-related skills!

A sobering picture

It is estimated that 150,000 researchers join the research community each year, while 40% of PhD’s graduate without having secured employment. In times of "publish or perish", it is also worth noting that between 30 and 50% of all research papers submitted to journals end up in the "desk reject" pile – where for a number of different reasons, ranging from being outside of the scope of a journal to language inadequacies, papers
Make a career in research

About this video

Strategic career planning is becoming increasingly important for all researchers. Whether you have already started out in a career, or are still exploring your research interests, these is special advice to help you.

About the presenter

Natalie Lundsteen
Assistant Dean for Career and Professional Development and Assistant Professor of Psychiatry, Graduate School of Biomedical Sciences at the University of Texas Southwestern Medical Center
Social Media for Researchers

About this video

Social media is omnipresent. Researchers can use it to profile their work, exchange ideas and results, and to network within their field. The breadth of use is such that a significant proportion of the research community is engaging with social media.

About the presenter

Christian DeFeo  Product Marketing Manager – Social, Mendeley

Dr. Christian DeFeo earned a PhD in Creative Writing at the University of Southampton in 2010. He then worked in the tech industry as a product marketing manager in Product Marketing, and Product Marketing Manager for Mendeley. He has also published three poetry collections, and two novels.
 QUESTIONS?

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- Lions, 359

10/30/2018