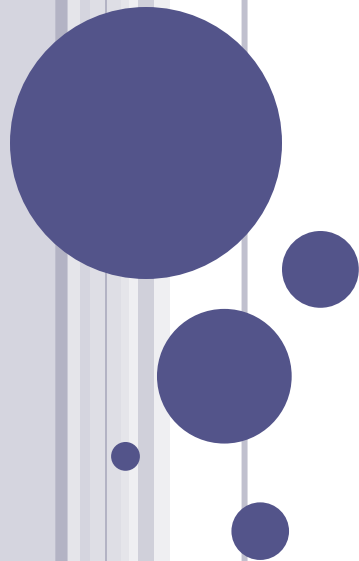


INTRAMURAL FUNDING OPPORTUNITIES AND STRATEGIES

Peter J. Winsauer, Ph.D.

Professor

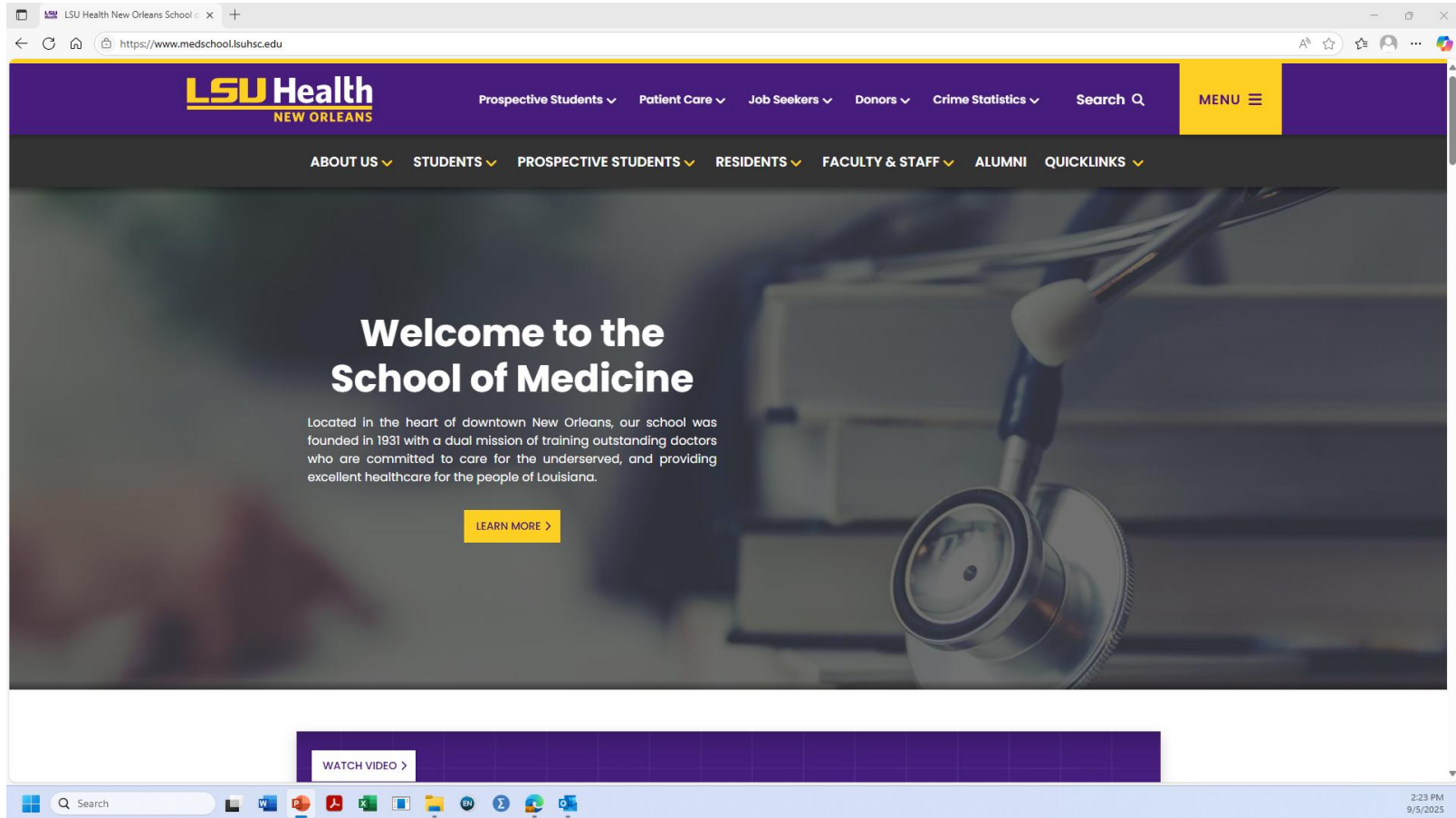
**Dept. of Pharmacology, Biochemistry and
Experimental Therapeutics**



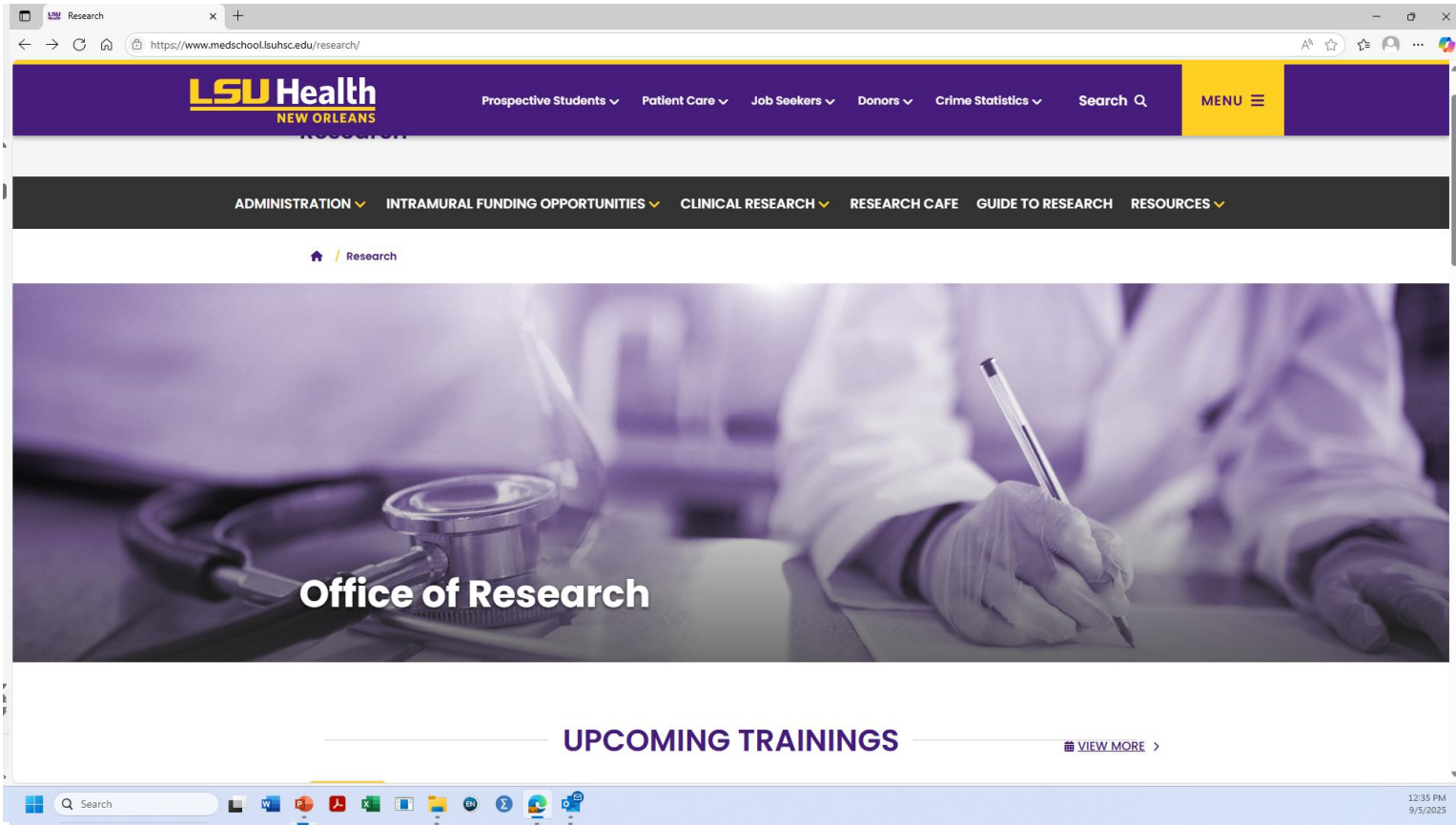
LEARNING OBJECTIVES:

- Identifying the different intramural grant mechanisms available to faculty
- Understanding key elements of a successful internal funding application
- Applying strategies learned from experienced panelists to improve one's own funding submissions

SCHOOL OF MEDICINE WEBSITE

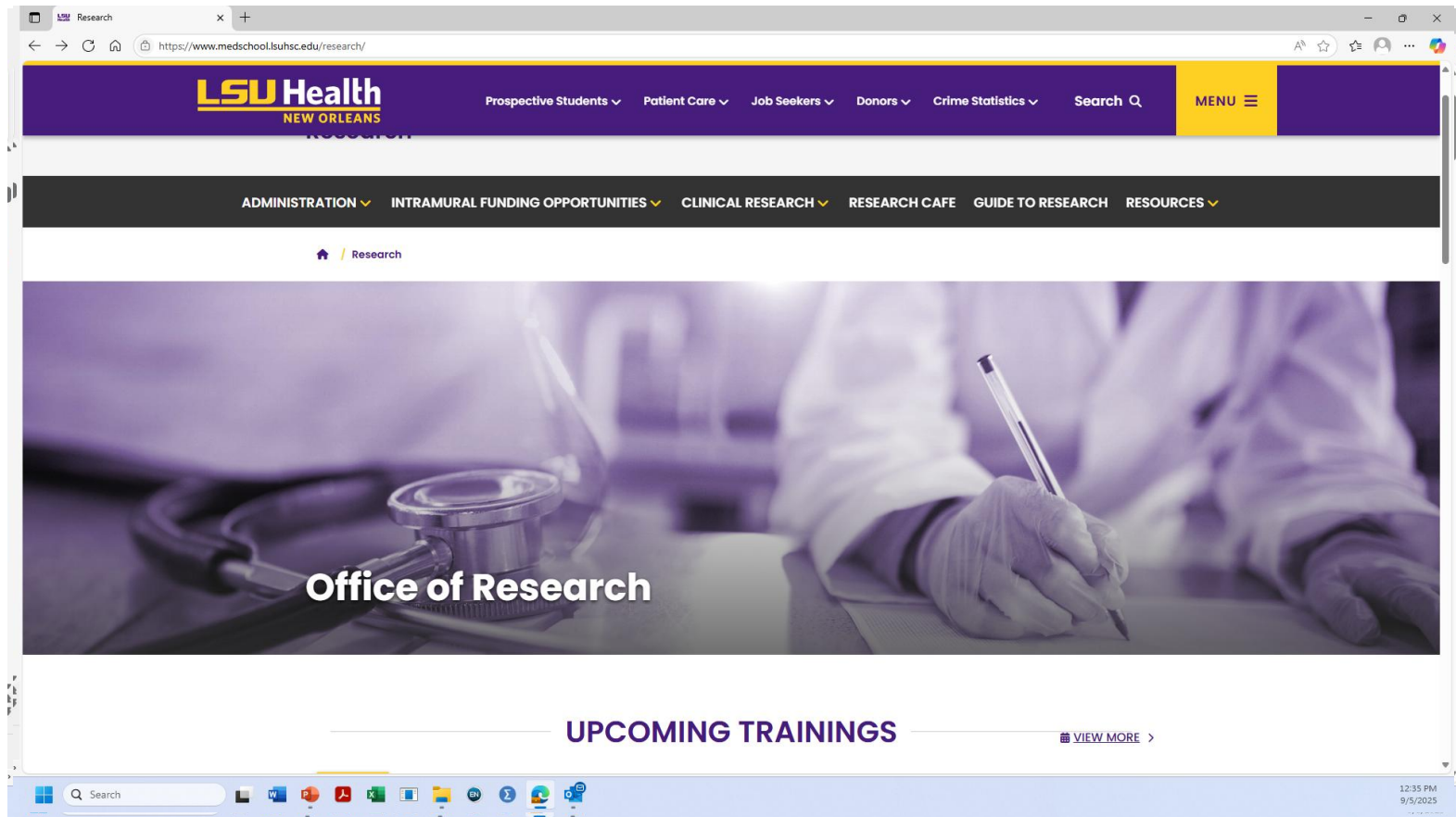


INTRAMURAL GRANT MECHANISMS

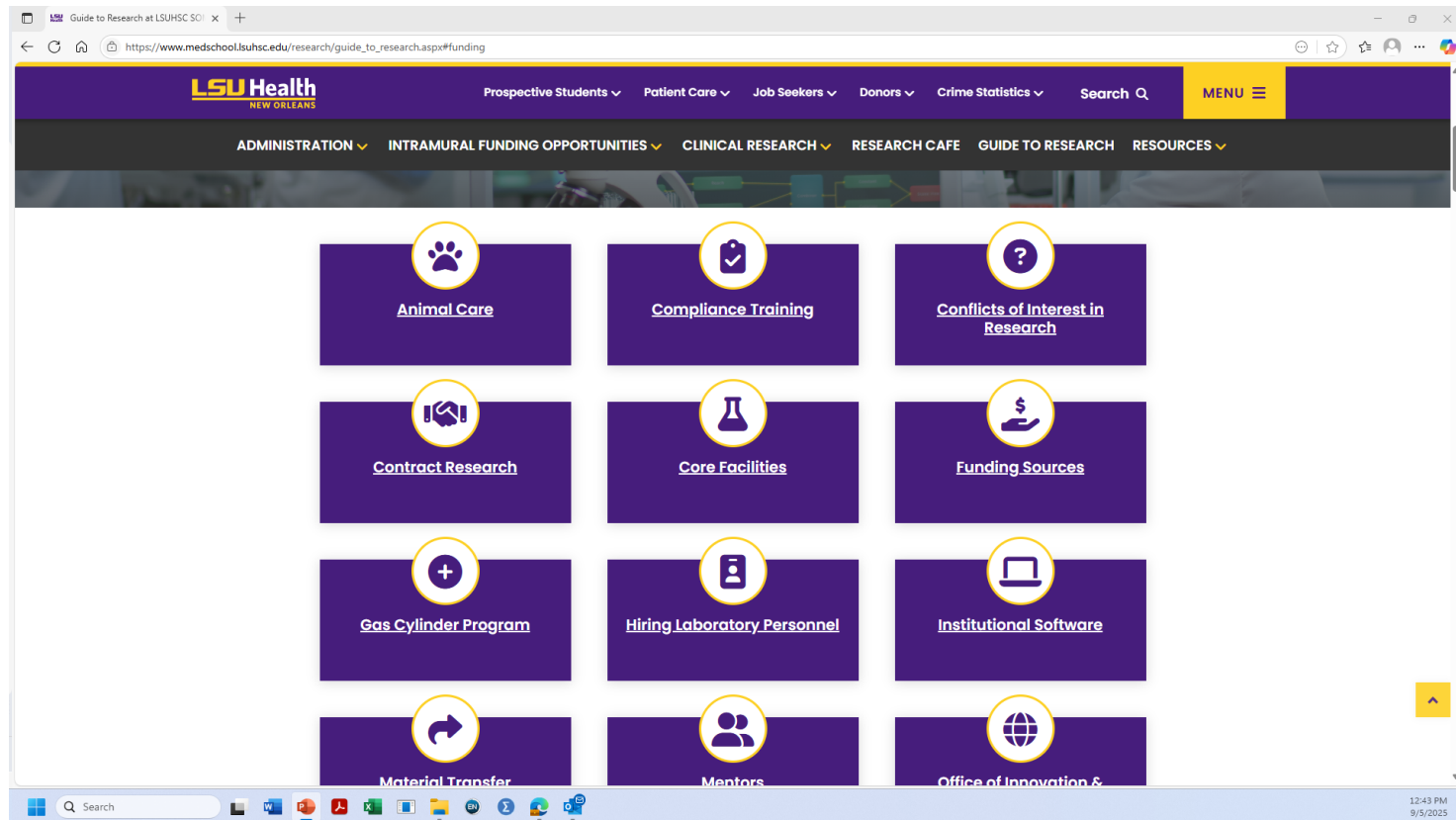


<https://www.medschool.lsuhs.edu/research/>

RESEARCH OFFICE WEBSITE



ALTERNATE PATH - RESEARCH OFFICE WEBSITE



https://www.medschool.lsuhsoc.edu/research/guide_to_research.aspx#funding

RESEARCH OFFICE WEBSITE (CONT.)

The screenshot shows a web browser displaying the LSU Health New Orleans Research Office website. The URL in the address bar is https://www.medschool.lsuhs.edu/research/guide_to_research.aspx#funding. The website has a purple header with the LSU Health New Orleans logo and navigation links: Prospective Students, Patient Care, Job Seekers, Donors, Crime Statistics, Search, and MENU. Below the header is a dark blue navigation bar with links: ADMINISTRATION, INTRAMURAL FUNDING OPPORTUNITIES, CLINICAL RESEARCH, RESEARCH CAFE, GUIDE TO RESEARCH, and RESOURCES. The main content area is white and contains the following sections:

Funding Sources

Research Enhancement Program (REP)

The Dean's office supports 6 major grant programs: [Bridge Grants](#), [New Project Grants](#), [Clinical Research Grants](#), [Health Disparities Grants](#), [Resident Research Grants](#), and [Health Science Center-Wide Intramural Research Program \(WIRP\)](#) programs.

Additional ways to locate funding opportunities:

[NIH RePORT](#) – searchable database of federally funded biomedical research projects conducted across the US. Other searchable fields are making this an essential tool in the search for funding opportunities.

[Grants.gov](#) – searchable database of grant opportunities from all federal grant-making agencies.

[Guidestar](#) – leading source of information on US Nonprofits, with a searchable database of IRS-recognized nonprofit organizations, many of whom have grant funding opportunities.

[Conafay Group](#) – consulting group from Washington DC that works with the NIH and the Department of Defense and attempts to link researchers with federal funding sources.

[Medical Technology Enterprise Consortium](#) – a DoD-focused nonprofit that funds medical technology development.

Gas Cylinder Program

LSU Health New Orleans has a [Gas Cylinder Program](#) for any researcher on campus who requires any type of cylinder gas for their research. Airgas is the sole provider of laboratory gas on campus and there is an onsite vendor representative who can assist with delivery, valves, and cylinder security. Faculty should work with their departmental Business Manager to order any laboratory gas.

Hiring Laboratory Personnel

INTRAMURAL GRANT MECHANISMS.

Funding Sources

Research Enhancement Program (REP)

The Dean's office supports 6 major grant programs: (1) [Bridge Grants](#), (2) [New Project Grants](#), (3) [Clinical Research Grants](#), (4) [Health Disparities Grants](#), (5) [Resident Research Grants](#), and (6) [Health Science Center-Wide Intramural Research Program \(WIRP\)](#) programs.

There are three competitions per year. The deadlines are March 9th, July 9th, and November 9th.

BRIDGE GRANTS



- Purpose of bridge grant support is to allow faculty members to maintain research activities during a temporary disruption in extramural support. Applications will be viewed in terms of their scientific merit and the probability of securing extramural funding.
- Bridge grant support receives the highest priority among eligible School of Medicine Research Grant applications.
- These projects can provide \$75,000 per year for two years. However, the second year of funding is contingent on both the scope of the project, and submission of a progress report demonstrating productivity on this proposal.
- All full-time SOM faculty supported by extramural research funding with the last 3 years are eligible to apply for this grant program.



NEW PROJECT GRANTS

- New Project Grants provide initial funding necessary for the development of new research ideas into competitive applications for support from extramural agencies.
- Goal of this program is primarily focused on support for new faculty whose start-up funding could not effectively support their current research programs. Funding of new research directions from existing faculty will also be considered.
- Applications will be viewed in terms of potential for generating data that will lead to support from National funding agencies.
- These projects provide \$75,000 for one year. An applicant can resubmit for an additional year of support; this re-application will be critically evaluated based not only on its scientific merit, but also on evidence of submission of extramural grant support during this time.

CLINICAL RESEARCH GRANTS



- The Clinical Research Grant Program provides funding necessary to turn clinical research projects into competitive extramural applications.
- Goal of this program is to provide institutional support for full-time clinical faculty on either the clinical- or tenure-track who have a research idea that needs to be better developed before it can be submitted for extramural support.
- Eligibility for this program requires the PI to be an M.D., although a Basic Science co-investigator may be included, and could significantly strengthen the proposal. Established investigators with extramural funding also are not eligible for these awards. Applications will be viewed in terms of potential for generating data that will lead to support from National funding agencies.

CLINICAL RESEARCH GRANTS (CONT.)

- These projects can provide \$75,000 per year for up to two years. An applicant can resubmit for an additional year of support; this re-application will be critically evaluated based not only on its scientific merit, but also on evidence or plans for submission of extramural grant support during this time. As part of this program, the PI must commit to submitting their research proposal for extramural funding to a nationally competitive agency (e.g. NIH, NSF, DOD, PCORI, etc.).





HEALTH DISPARITIES GRANTS

- These grants are intended to support the education, analysis, improvement and innovation in reducing healthcare disparities within our teaching hospitals/academic centers and our communities, and how we can improve the working and training spaces we occupy.
- Funds may be used to undertake new projects or to expand current projects. The goal of this program is to provide institutional support for project initiatives that can directly affect our patient care communities and hospital systems.

Investigator	Requested Funds and Necessary Match
Faculty	\$10,000 (\$5,000 from SOM/\$5,000 from Department)
Residents and Staff	\$7,500 (\$3,750 from SOM/\$3,750 from Department)
Students	\$5,000 (\$2,500 from SOM/\$2,500 from Department)

HEALTH DISPARITIES GRANTS (CONT.)

- Due to the limited funds available, some research-related costs are not supported by this funding mechanism, they include:
 - Publication cost: Publication costs are permitted only as part of the project.
 - Faculty Salaries: Not allowable.
 - Travel: Travel is not allowed unless it is part of the project (e.g., travel to a remote site to collect data). The departmental contribution to the award can include travel to a meeting to present research that is the result of the project.
 - Patient care costs: Costs associated with performing a diagnostic test that is necessary for the research project, but not covered by normal patient care is an allowable expense. It is also allowable to include any patient incentives that are integral to participation in the project.
 - Office equipment: Not allowable.
- Funding can be used for personnel support with data collection, equipment needs, educational materials, lecturers, etc.

RESIDENT RESEARCH GRANTS



- Goal of this program is to provide institutional support to foster the resident research and scholarly activities. It is intended to assist medical residents in pursuing a research project and bringing it to a conclusion.
- Although it is not intended solely for the publication costs, publication costs are permitted as part of the project.
- Application must also include a sponsoring faculty member who will take responsibility for the research training of the applicant.
- Up to \$2,500 for resident research will be provided, which is contingent on a statement from the Department Head committing at least an equal amount in matching funds.

HEALTH SCIENCES CENTER-WIDE RESEARCH PROGRAM (WIRP) GRANTS

Collaboration in Schools

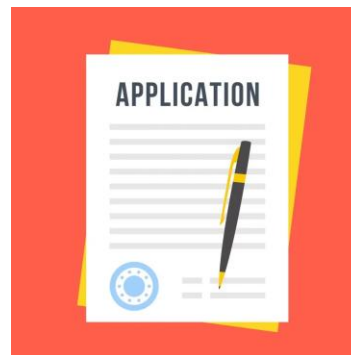


- HSC-Wide Intramural Grant program was established to provide funding for projects involving investigators from multiple schools of LSU Health – New Orleans.
- Goals of the project are two-fold. The first is to foster collaborative research that involves investigator teams with primary appointments in at least two different schools of the HSC, and the second is to assist these investigators in obtaining the data necessary to develop projects that will ultimately be fundable by extramural agencies.
- Applications will be viewed in terms of their potential for generating data that will lead to support from national funding agencies and foundations.

HEALTH SCIENCES CENTER-WIDE RESEARCH PROGRAM (WIRP) GRANTS (CONT.)

- The duration of these projects is for up to two years. However, the second year of funding is contingent on both the scope of the project, submission of a report demonstrating productivity on this proposal, and presentation of their research progress at an annual symposium.
- Salary support will only be considered for faculty to provide release time for clinical activities, or for research faculty whose entire salary is covered by extramural grant support.
- Travel will only be considered as an integral part of data gathering. The total period of support cannot exceed 2 years and will not exceed \$100,000 per year (for all investigators).
- Two-year grants will require submission of a budget for both years. No-cost extensions of up to six months will be considered on request to the chair of the review committee (currently Dr. Wayne Backes wbacke@lsuhsc.edu).

APPLICATION FORMAT



1. *Title Page* (please use the Title Page template link on website).
2. *Abstract* (limited to 250 words)
3. *Introduction* (only for resubmissions of a proposal that was previously reviewed).
4. *Specific Aims* - Provide a concise, one-page description of the research aims to be addressed during the period of REP funding.
5. *Research Strategy (limit of 6 pages)*. This section should provide a detailed description of the rationale, experimental design, anticipated results, and the problems and alternative approaches for the REP project (this section should not just be a repetition of the extramural grant application if the REP application is only proposing a subset of the aims planned for the extramural grant application).

APPLICATION FORMAT (CONT.)

5. *Research Strategy* (cont.)

- A. *Significance* (recommend 1-2 pages) The goal of this section is to present the rationale for the proposed research and to summarize the literature supporting this line of investigation.
- B. *Innovation* (recommend 1/4-1/2 page)
- C. *Approach* (recommended 3-4 pages)
 - I. Experimental design
 - II. Anticipated results
 - III. Problems and alternative approaches

6. *Proposed Budget* – Investigators will need to provide an overall itemized budget for the first year of the project, and a second year if they believe it will be needed (please use the Budget Page template link on website).

7. *Budget Justification* - A budget justification must accompany each budget. The budget must be appropriate for the scope of the study.

APPLICATION FORMAT (CONTI

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8. *Plans for Obtaining Extramural Support* - Describe your plans to obtain renewal support for this proposal. Please include the targeted funding agencies and the anticipated time frame for submission of these extramural proposals.
9. *Summary Statement* from the most recent review by NIH, NSF, or other national agency review panel if available.
10. *Current Research Support* - List all current research support by agency number, title, and total direct costs awarded. They should also identify any current departmental, institutional, or startup funding.
11. *NIH-type biographical sketch* (please use the Biosketch template link on website).
12. *Signed original application* from both applicant and department head, and an electronic version of the proposal should be submitted to the Chair of the Institutional Grant Review Committee (currently Dr. Peter Winsauer pwinsa@lsuhsc.edu).

EVALUATION OF GRANT PROPOSALS



- Grant proposals will be reviewed by the Internal Grant Review Committee comprised of scientists who are members of the LSUHSC faculty.
- This grant review committee will operate in a manner similar to NIH study sections.
- The criteria to be evaluated will include:
 - (1) scientific merit and significance of the proposed project;
 - (2) qualifications and productivity of the applicant;
 - (3) potential for securing support from National agencies;
 - (4) appropriateness of funding for this mechanism;
 - (5) appropriateness of the budget.
- The committee will score proposals and make a recommendation to the Dean of the School of Medicine.

THANK YOU!

QUESTIONS?