Research Subcommittee

University Steering Committee

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UNIVERSITY OF LOUISIANA
Lafayette

Outline
Subcommittee for Research

Approach: Focus group discussions and invited responses from across the University.

- *Objective 1: Build on our existing strengths and the advantages of our historical/ cultural/geographic setting for research and scholarly purposes*

- *Objective 2: Enhance supporting infrastructure for the conduct of research and innovation*

- *Objective 3: Increase productivity/success of graduate students and undergraduate students through engagement in mentored research, innovative projects, and creative endeavors*

- *Objective 4: Increase and diversify external funding revenue through grants and contracts, entrepreneurial activities, and fund raising.*

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Objective 1

Strengths and Advantages

Build on our existing strengths and the advantages of our historical/ cultural/ geographic setting for research and scholarly purposes

1.A　　　Continue focus and support for:
　　　　　　　　　Life Sciences, Health Care and Wellness
　　　　　　　　　Computing, Digital Media & Software
　　　　　　　　　Energy & Sustainability
　　　　　　　　　Coastal Ecology & Water Management
　　　　　　　　　Advanced Materials & Manufacturing.

1.B <u>Continue to develop opportunities</u> for the creative investigation of the unique cultural and social resources available in our region and state.

1.C <u>Continue to seek</u> collaborations with businesses, industries, and governmental agencies that are oriented to our unique geographic opportunities and issues as well as our cultural and social characteristics.

1.D Develop <u>interdisciplinary research initiatives</u> across the university (academic departments and centers) and within the regional and state-wide entrepreneurial eco-system.

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Objective 2
Enhancing support infrastructure

Enhance supporting infrastructure for the conduct of research and innovation

2.A Ensure that research support services are sufficient to sustain the research efforts of university researchers including the establishment of <u>shared scientific service facilities</u> involving statistical support, prototyping, programming, and technical core facilities (e.g., microscopy center).

2.B Ensure that support services are adequate for the <u>generation of innovation</u> by providing a center for intellectual property and its <u>commercialization</u> as well as a business incubator for more developed ventures.

2.C Ensure that <u>library resources</u> are adequate to support the research and graduate education mission of the University.

2.D Provide programs and incentives for collaborations across disciplines, including an on-going <u>research network</u> that regularly provides opportunities for researchers to extend outside of their disciplines and colleges for the purpose of eliminating barriers in the pursuit of collaborative opportunities.

2.E Establish a system for <u>joint faculty appointments</u> to facilitate interdisciplinary research and academic programs that can focus on future research priorities.

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Objective 2
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2.F Create a system for providing appropriate <u>credit for funding and publication </u>within collaborations across the university.

2.G Provide <u>incentives and training </u>to increase faculty and staff engagement in research and innovation, including placing a priority on intellectual property and patents as legitimate metrics on tenure, promotion and workload documents.

2.H Encourage and recognize faculty participation on <u>university-wide committees </u>that support the research initiative (e.g., IRB, IACUC, IBC, RSC).

2.I Increase funds for <u>travel to visit granting agencies </u>and to present research findings at professional conferences.

2.J Ensure that all necessary departmental and university procedures for grant-related activities (both pre-award and post-award) are <u>stream-lined and standardized </u>in such a way that these procedures and their implementation are easily available to all interested researchers.

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Objective 2
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Enhance supporting infrastructure for the conduct of research and innovation

2.K Create expectations that as members of a university with high research activity it is incumbent on individual faculty members to engage in research and other scholarly activities.

2.L Ensure that the university creates a system to capture appropriate information on the scholarly and research activities of individual faculty members.

Objective 3
Productivity and Success of Students

Increase productivity/success of graduate students and undergraduate students through engagement in mentored research, innovative projects, and creative endeavors

3.A Expand support for graduate programs, develop new doctoral programs in areas of graduate excellence and new graduate programs in areas of undergraduate excellence, and allow for early start graduate studies for the best undergraduates (development of 4+1 programs).

3.B Expand and enhance graduate funding opportunities and/or similar incentives to enroll as graduate students (reduced graduate student housing, reduced health insurance, supply meal plans).

3.C Promote a comprehensive chain of research mentoring for graduate students via student-faculty, peer activities and apprenticeships.

3.D Promote and enhance research mentorships between best undergraduates and graduate students and between best undergraduates and faculty via research activities such as capstone opportunities.

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Objective 3
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Increase productivity/success of graduate students and undergraduate students through engagement in mentored research, innovative projects, and creative endeavors

3.E Enhance the showcases provided for both graduate and undergraduate student research both in the colleges and across the University.

3.F Establish pilot programs with select undergraduate-only American universities and foreign universities for channeling students to graduate program at the University.

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Objective 4

Increase and Diversity Funding

Increase and diversify external funding revenue through grants and contracts, entrepreneurial activities, and fund raising.

4.A Provide more resources and enhance administrative infrastructure to support procurement and funding of extramural funding including more individual mentoring and promotion of <u>interdisciplinary collaborations</u>.

4.B Invest in research/mentoring <u>professional development</u> efforts aimed at increasing research productivity, grant activity, and entrepreneurial start-ups and patents.

4.C Collaborate with University Advancement and the Office of the Vice President for Research to <u>promote and enhance external relationships</u> and joint business/research venues by informing/educating external stakeholders about the impact and opportunities of research and graduate education to their specific interests.

4.D Collaborate with University Advancement to increase <u>endowment and annual gift</u> funds for graduate fellowships, assistantships, and travel support funds.

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Thank You