REPORT TO THE
LOUISIANA BOARD OF REGENTS

RECRUITMENT OF SUPERIOR GRADUATE STUDENTS COMPONENT
OF THE
BOARD OF REGENTS SUPPORT FUND
FY 2006-07 COMPETITION FOR AWARDS TO BEGIN FY 2008-09

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INTRODUCTION

The panel urges each applicant to read the summary relating to the submitted proposal that is included in this report, which contains indications as to how the proposal was judged. Most summaries, more importantly, also offer suggestions to help applicants design proposals for future competitions in the Recruitment of Superior Graduate Students Program.

The Review Panel for the Recruitment of Superior Graduate Students Program met in Baton Rouge on March 5 and 6, 2007, to discuss and make funding recommendations relative to proposals submitted in the FY 2006-07 competition for awards to begin in FY 2008-09. Members of the panel were Dr. John Mayfield (Chair), Iowa State University; Dr. Roger Chalkley, Vanderbilt University Medical School; Dr. Charles Ambler, University of Texas, El Paso; and Dr. Suzanne Ortega, University of Washington.

Nine (9) institutions submitted a total of twenty-nine (29) proposals within the disciplines eligible for this year's competition in the Traditional Graduate Fellows Program. One (1) university submitted a total of one (1) proposal in the Graduate Fellowships for Teachers Program. In some cases two or more departments within an academic unit submitted a single proposal.

Prior to arriving in Baton Rouge, consultants individually read and evaluated each proposal according to the guidelines provided by the Louisiana Board of Regents in the FY 2006-07 Graduate Fellows Request for Proposals. Each consultant assigned a preliminary ranking to each proposal before the March meeting. Preliminary composite scores were then computed. These composite scores facilitated discussions at the March meeting.

After thorough discussion of the merits of each proposal, the consultants established a rank order for all of the proposals and recommended monetary levels for the awards according to established criteria for budgetary cogency. Recommendations were made consistent with the limits of available funding as determined by the Board of Regents. Final composite scores assigned to the proposals ranged from 62 to 90 out of a maximum of 100. The panel did not recommend funding for those proposals receiving scores of less than 77. A total of $900,000 available in first-year monies was recommended for expenditure.

The total amount of first-year funds requested in the Traditional Graduate Fellows Program was $2,273,000. The Graduate Fellowships for Teachers proposal requested total first-year funds of $144,000. Consultants were advised that $720,000 was allotted for the Traditional Graduate Fellows Program and $180,000 for the Graduate Fellowships for Teachers Program. The panel was also advised that any funds not committed to proposals submitted for the latter program should be recommended for expenditure under the Traditional Graduate Fellows Program, assuming that a sufficient number of meritorious proposals had been submitted to warrant the transfer.

The panel recommends that twenty (20) of the twenty-nine (29) proposals submitted under the Traditional Graduate Fellows Program and the one (1) proposal submitted under the Graduate Fellowships for Teachers Program be funded in the amounts specified in Appendix A. Appendix B consists of brief narrative summaries of the panel's assessment of each proposal submitted and Appendix C contains a listing of all proposals submitted under each program.

The cumulative requests substantially exceed the total amount of funding available. Panel members made every effort to keep recommendations within established funding limitations as well as in accordance with the collective assessment of each proposal's individual merits. Reviewers sought to ascertain the degree to which each award could bring about the successful recruitment of superior graduate students. Such efforts are

consistent with the goal of enhancing the overall quality of higher education in and the social, cultural and economic development of the State of Louisiana. Moreover, panel members considered in each case whether the dollar value of the requested fellowship stipend would ensure each program's competitiveness with comparable institutions and accord with past recruiting efforts. In a few cases, requested stipend levels were reduced for consistency across programs and to accommodate budget constraints. In each case, stipend levels remain nationally competitive.

Once again, the four panel members commend all involved in this ongoing endeavor to elevate the level of graduate study in Louisiana's institutions of higher education. The members of the panel, collectively and individually, also wish to express their sincere appreciation to the staff of the Louisiana Board of Regents for their aid and support in the completion of this task.

Panel Recommendations and Suggestions:

- There continues to be a problem with some proposals not clearly defining the term "under-represented minority", though form 10-GF specifically requires that applicants do so. It is impossible for the panel to understand the applicant's experiences with minority recruitment without this information. In one case international students were included in the definition. This is inappropriate. The panel urges PIs to submit all required data in a clear and easily interpretable manner.

- Again this year, in several proposals the statistics provided in the required tables did not match information provided in the narrative sections of the proposal. This led to confusion and frustration on the part of reviewers attempting to interpret and make recommendations based on this data. Applicants are strongly urged to ensure that data are correct and consistently presented in all parts of the proposal.

- Applicants continue to have problems filling out the required tables correctly and providing all required information. When the number "enrolled" or "matriculated" is larger than the number accepted, when averages do not fall between highs and lows, and when "under-represented minority" is not clearly defined, it is difficult for the panel to assess programs. The data requested in each table are essential to the panel's evaluation of proposals. Applicants are, therefore, urged to provide all required information fully and comprehensibly.

- The panel noted again this year that several proposals contained data, documentation, and examples of eminence that were either out-of-date or no longer relevant to the featured program's argument for graduate fellowship support. In light of this, the panel strongly recommends that all programs review their proposals and eliminate old data and out-of-date or irrelevant narrative segments. In fact, a newly written or extensively revised proposal often offers an up-to-date perspective to the panel that renders the information more useful and in turn provides the panel with a clear understanding of the program as it is operating at the time of the proposal's submission. Data and information from the 1980s and 1990s, by contrast, often provides no insight into the program's recent and future trajectories.

- Once again, several proposals submitted in this competition provided names and personal information for students in and graduates of programs seeking funding. **This practice is inappropriate and, in some cases, illegal.** Further, a proposal is not strengthened in any way by the inclusion of student names and personal information. Applicants are urged to maintain the anonymity of students.

- The panel is taking a strong stand against combined GRE scores. This position is taken directly from ETS guidelines which are very clear that this is a misuse of test results. This document may be found on the ETS website, at http://www.ets.org/Media/Tests/GRE/pdf/994994.pdf. Standardized test scores can be a

useful component of a comprehensive student assessment, but admissions committees must understand and acknowledge the relevance of the different testing categories to particular disciplines. This year the use of combined scores resulted in reduced scoring by the reviewers. Next year the penalty will be more severe.

APPENDIX A

TABLE I

Louisiana Board of Regents Support Fund
Traditional Graduate Fellows Program and Graduate Fellowships for Teachers Program
Proposals Recommended for Funding
FY 2006-2007 Cycle for Awards to Begin in FY 2008-2009

RANK	PROP. NO.	SCHOOL	DISCIPLINE	LENGTH/ TYPE OF PROGRAM	NUMBER OF FELLOWSHIPS RECOMMENDED	ANNUAL STIPEND AMOUNT	YEAR	TOTAL BoRSF MONEY RECOMMENDED	CUMULATIVE AMOUNT OF 1st YEAR AWARDS
1	001GF-08	LSU-BR	ENGINEERING	4 YR. DOC	2	$ 25,000	1	$ 90,000	$90,000
							2	$ 90,000	
				2 YR. MASTER'S	2	$ 20,000	3	$ 50,000	
							4	$ 50,000	
							TOTAL	$280,000	
2	006GF-08	LSU-BR	MATHEMATICS	4 YR. DOC	3	$ 22,000	1	$ 66,000	$156,000
							2	$ 66,000	
							3	$ 66,000	
							4	$ 66,000	
							TOTAL	$264,000	
3	018GF-08	TUHSC	HEALTH & MEDICAL SCIENCES	4 YR. DOC	3	$ 28,000	1	$ 84,000	$240,000
							2	$ 84,000	
							3	$ 84,000	
							4	$ 84,000	
							TOTAL	$336,000	
4	007GF-08	LSU-BR	CHEMISTRY	4 YR. DOC	2	$ 29,000	1	$ 58,000	$298,000
							2	$ 58,000	
							3	$ 58,000	
							4	$ 58,000	
							TOTAL	$232,000	
5	004GF-08	LSU-BR	PHYSICS & ASTRONOMY	4 YR. DOC	2	$ 23,000	1	$ 46,000	$344,000
							2	$ 46,000	
							3	$ 46,000	
							4	$ 46,000	
							TOTAL	$184,000	

RANK	PROP. NO.	SCHOOL	DISCIPLINE	LENGTH/ TYPE OF PROGRAM	NUMBER OF FELLOWSHIPS RECOMMENDED	ANNUAL STIPEND AMOUNT	YEAR	TOTAL BoRSF MONEY RECOMMENDED	CUMULATIVE AMOUNT OF 1st YEAR AWARDS
6	023GF-08	UL L	BIOLOGICAL SCIENCES	4 YR. DOC	2	$ 24,000	1 2 3 4 TOTAL	$ 48,000 $ 48,000 $ 48,000 $ 48,000 $192,000	$392,000
7	005GF-08	LSU-BR	BIOLOGICAL SCIENCES	4 YR. DOC	2	$ 25,000	1 2 3 4 TOTAL	$ 50,000 $ 50,000 $ 50,000 $ 50,000 $200,000	$442,000
8	019GF-08	TUHSC	BIOLOGICAL SCIENCES	4 YR. DOC	1	$ 28,000	1 2 3 4 TOTAL	$ 28,000 $ 28,000 $ 28,000 $ 28,000 $112,000	$470,000
9	014GF-08	TULANE	EARTH & ENVIRO. SCIENCES	4 YR. DOC	1	$ 26,000	1 2 3 4 TOTAL	$ 26,000 $ 26,000 $ 26,000 $ 26,000 $104,000	$496,000
10	016GF-08	TULANE	CHEMISTRY	4 YR. DOC	2	$ 25,000	1 2 3 4 TOTAL	$ 50,000 $ 50,000 $ 50,000 $ 50,000 $200,000	$546,000

RANK	PROP. NO.	SCHOOL	DISCIPLINE	LENGTH/ TYPE OF PROGRAM	NUMBER OF FELLOWSHIPS RECOMMENDED	ANNUAL STIPEND AMOUNT	YEAR	TOTAL BoRSF MONEY RECOMMENDED	CUMULATIVE AMOUNT OF 1st YEAR AWARDS
11	029GF-08	LSUHSC-S	HEALTH & MEDICAL SCIENCES	4 YR. DOC	1	$ 27,000	1 2 3 4 TOTAL	$ 27,000 $ 27,000 $ 27,000 $ 27,000 $108,000	$573,000
12	003GF-08	LSU-BR	HEALTH & MEDICAL SCIENCES	4 YR. DOC	2	$ 25,000	1 2 3 4 TOTAL	$ 50,000 $ 50,000 $ 50,000 $ 50,000 $200,000	$623,000
13	024GF-08	UL L	PHYSICS & ASTRONOMY	2 YR. MASTER'S	1	$ 16,000	1 2 TOTAL	$ 16,000 $ 16,000 $ 32,000	$639,000
14	008GF-08	LSU-BR	EARTH & ENVIRO. SCIENCES	4 YR. DOC	1	$ 24,000	1 2 3 4 TOTAL	$ 24,000 $ 24,000 $ 24,000 $ 24,000 $ 96,000	$663,000
15	028GF-08	UNO	CHEMISTRY	4 YR. DOC	1	$ 30,000	1 2 3 4 TOTAL	$ 30,000 $ 30,000 $ 30,000 $ 30,000 $120,000	$693,000
16	027GF-08	UNO	BIOLOGICAL SCIENCES	4 YR. DOC	1	$ 25,000	1 2 3 4 TOTAL	$ 25,000 $ 25,000 $ 25,000 $ 25,000 $100,000	$718,000

RANK	PROP. NO.	SCHOOL	DISCIPLINE	LENGTH/ TYPE OF PROGRAM	NUMBER OF FELLOWSHIPS RECOMMENDED	ANNUAL STIPEND AMOUNT	YEAR	TOTAL BoRSF MONEY RECOMMENDED	CUMULATIVE AMOUNT OF 1st YEAR AWARDS
17	026GF-08	UNO	COMPUTER & INFORMATION SCIENCES	2 YR. MASTER'S	1	$ 17,000	1 2 TOTAL	$ 17,000 $ 17,000 $ 34,000	$735,000
18	010GF-08	LA TECH	ENGINEERING	4 YR. DOC	1	$ 24,000	1 2 3 4 TOTAL	$ 24,000 $ 24,000 $ 24,000 $ 24,000 $ 96,000	$759,000
19	013GF-08	TULANE	ENGINEERING	4 YR. DOC	1	$ 23,000	1 2 3 4 TOTAL	$ 23,000 $ 23,000 $ 23,000 $ 23,000 $ 92,000	$782,000
20	012GF-08	NICHOLLS	BIOLOGICAL SCIENCES	2 YR. MASTER'S	1	$ 10,000	1 2 TOTAL	$ 10,000 $ 10,000 $ 20,000	$792,000
1	001GFT-08	LSU-BR	EDUCATION	1 YR. MASTER'S	6	$ 18,000	1 TOTAL	$108,000 $108,000	$900,000

TABLE II

SUPPORT FUND GRADUATE FELLOWS PROGRAM
PROPOSALS NOT RECOMMENDED FOR FUNDING

PROPOSAL #	SCHOOL	ELIGIBLE DISCIPLINE
002GF-08	LSU-BR	COMPUTER & INFORMATION SCIENCES
009GF-08	LA TECH	HEALTH & MEDICAL SCIENCES
011GF-08	LA TECH	MATHEMATICS
015GF-08	TULANE	MATHEMATICS
017GF-08	TUHSC	HEALTH & MEDICAL SCIENCES
020GF-08	UL LAFAYETTE	HEALTH & MEDICAL SCIENCES
021GF-08	UL LAFAYETTE	COMPUTER & INFORMATION SCIENCES
022GF-08	UL LAFAYETTE	MATHEMATICS
025GF-08	UL MONROE	HEALTH & MEDICAL SCIENCES

APPENDIX B

COMMENTS ON PROPOSALS SUBMITTED UNDER THE BOARD OF REGENTS SUPPORT FUND PROGRAMS FOR TRADITIONAL GRADUATE FELLOWS AND GRADUATE FELLOWSHIPS FOR TEACHERS

001GF-08 LOUISIANA STATE UNIVERSITY – BATON ROUGE
"Board of Regents Fellowships in Engineering"
Requested: 2 Doctoral-Level Fellowships at $25,000/annum for 4 years
2 Master's-Level Fellowships at $20,000/annum for 2 years

Recommended: 2 Doctoral-Level Fellowships at $25,000/annum for 4 years
2 Master's-Level Fellowships at $20,000/annum for 2 years
TOTAL AWARD = $280,000

This proposal builds on the historic strengths of LSU's Engineering research faculty and is enhanced by its emphasis on several of the engineering fields with potential for immediate impact on the Louisiana economy. A pattern of continuing declines in applications and the low number of domestic applicants is of concern to the panel. However, the program appears to have given considerable thought to recruitment. The strong recruitment plan coupled with an excellent plan for demonstrating the impact of BoR fellowships on program quality provides reason to expect continued progress in attaining national and international recognition/eminence. Efforts to recruit under-represented minorities have been somewhat successful, and BoR fellowships appear to have been useful in this regard. However, and particularly in this context, it is very disturbing to note that the program continues to use combined verbal and quantitative GRE scores in admission and fellow selection algorithms. Combining scores is an example of the misuse of standardized test information as delineated in the ETS Guide to Appropriate Use of Test Scores (see http://www.ets.org/Media/Tests/GRE/pdf/994994.pdf) and should be stopped immediately. The program is also strongly encouraged to continue the practice of adding supplemental fellowship stipends to BoR awards in order to ensure that by leveraging BoR commitments, stipend levels remain nationally competitive. Two doctoral-level fellowships at $25,000 per year and two master's-level fellowships at $20,000 per year are recommended.

002GF-08 LOUISIANA STATE UNIVERSITY – BATON ROUGE
"Recruitment of Superior Students to the Doctoral Program in Areas of Distributed Applications over High Speed Networks at Louisiana State University"
Requested: 4 Doctoral-Level Fellowships at $25,000/annum for 4 years

Recommended: - 0 -

The Computer Science program at LSU is a strong program that struggles to recruit U.S. graduate students. The 2006 recruiting profile of 17 U.S. applicants, 16 accepted to the program and 5 matriculated suggests a program with very low selectivity among domestic applicants and difficulty matriculating these students. Clearly the quality of the program depends on international students. The panel applauds the creation of an industrial advisory committee and recommends that all prospective U.S. applicants be invited for a campus visit. The panel notes with some alarm that past BoR fellows from six and seven years ago have not yet graduated. This suggests either an excessive time to degree or a low student retention rate, either of which is troubling. Overall, the proposal does not make a compelling case for how these fellowships will improve the department and clearly fellowship support in the recent past has not been successful in improving U.S. student enrollment or moving students to the degree in a timely manner. No funding is recommended.

003GF-08 LOUISIANA STATE UNIVERSITY – BATON ROUGE
"Graduate Studies in Comparative Biomedical Sciences, Pathobiological Sciences, and Veterinary Clinical Sciences"
Requested: 3 Doctoral-Level Fellowships at $25,000/annum for 4 years

Recommended: 2 Doctoral-Level Fellowships at $25,000/annum for 4 years = $200,000 TOTAL

This is a solid application from an excellent, well-funded group. While still concerned about drop-out rates and the department's mentoring culture, the panel recognizes that it takes time to modify a program, to improve retention and academic success. In the next round of applications the panel will be looking for evidence that the attrition rate

is minimal, the time to degree is not excessive and that issues related to academic failure have been addressed. The school needs to be proactive in tracking students through their first two years of study. The approaches outlined in the proposal should work, but will need to be aggressively implemented. Some recent success in attracting under-represented minority students into the program can be discerned. However, so far, apparently none of these students have been awarded a BoR fellowship, which concerns the panel. The panel also noted that the proposal contained personal data concerning a student, which included the student's name and information that should be considered confidential. The inclusion of this kind of information in a document of public record might well be viewed as a violation of federal law and should not appear in future proposals. Two doctoral-level fellowships at $25,000 each per year are recommended.

004GF-08 LOUISIANA STATE UNIVERSITY – BATON ROUGE
"Graduate Fellows in Physics and Astronomy and Medical Physics Program"
Requested: 3 Doctoral-Level Fellowships at $23,000/annum for 4 years
2 Master's-Level Fellowships at $19,000/annum for 3 years

Recommended: 2 Doctoral-Level Fellowships at $23,000/annum for 4 years
0 Master's-Level Fellowships at $19,000/annum for 2 years
TOTAL AWARD = $184,000

The department has a strong faculty and a good record of research productivity. The increasing number of U.S. graduate applicants is encouraging. It would help the review panel if the applicants provided data on M.S. and Ph.D. students separately, as requested on Form 11-GF. In addition, it is very disturbing to note that the program continues to use combined verbal and quantitative GRE scores in admission and fellow selection algorithms. Combining scores is an example of the misuse of standardized test information as delineated in the ETS Guide to Appropriate Use of Test Scores (see the ETS website at http://www.ets.org/Media/Tests/GRE/pdf/994994.pdf) and should be stopped immediately. While the review panel felt in previous years that supporting the Medical Physics program in its early stages was a reasonable expenditure of BoR funds, we now see that the program is established and working well. Therefore, the panel suggests that students who enter the Medical Physics program, who will receive an exceptionally high-skill, high-salary professional degree, should receive need-based financial aid or be supported, when necessary, through other means. The commitment of supplemental funds to the doctoral fellowships is commendable and a strength of this proposal. Two doctoral-level fellowships at $23,000 per year are recommended.

005GF-08 LOUISIANA STATE UNIVERSITY – BATON ROUGE
"Graduate Fellowships in Biological Sciences at Louisiana State University"
Requested: 4 Doctoral-Level Fellowships at $25,000/annum for 4 years

Recommended: 2 Doctoral-Level Fellowships at $25,000/annum for 4 years = $200,000 TOTAL

The Biological Sciences program is among the most active research units at LSU and has been designated one of seven Foundations of Excellence programs at the University. The strong publication and external funding records of the faculty attract substantial numbers of Ph.D. students to three research areas: cellular, developmental and integrative biology; biochemistry; and molecular biology. The program has an excellent record of retaining and graduating previous Board of Regents fellows, and the program is addressing concerns about time to degree for those receiving BoR support. The data provided suggest greater selectivity in admissions, but the very low rate of admissions for minority students is cause for concern. The proposal does indicate the development of a much more systematic and aggressive approach to minority recruitment and to student retention and tracking, which is essential in a program that has almost 150 students. The panel requests that future proposals provide details on the structure of this approach and its level of success. Funding is recommended for two four-year doctoral-level fellowships at $25,000 each per year.

006GF-08 LOUISIANA STATE UNIVERSITY – BATON ROUGE
"Recruitment of Superior Doctoral Students in Mathematics"
Requested: 4 Doctoral-Level Fellowships at $22,000/annum for 4 years

Recommended: 3 Doctoral-Level Fellowships at $22,000/annum for 4 years = $264,000 TOTAL

As the panel has noted in past years, LSU's Mathematics Department has an excellent graduate program and has shown great success in training its students for scholarship and research. The application pool appears to be of high quality, though the declining numbers of U.S. and under-represented minority applicants is troubling. The high matriculation rate of students offered support indicates that prospective students are favorably impressed with the department, and the department's success in attracting minorities and women is to be applauded. The proposed stipend of $22,000 is competitive and the $8,000 supplement indicates very strong departmental support. The proposal could, however make a stronger case for its impact on Louisiana's economic base. Clearly the department is very active in this regard, and a summary of outcomes and/or impacts would strengthen the proposal. Nevertheless, this excellent program clearly benefits from BoR fellowship support. Funding is recommended for three four-year doctoral fellowships at $22,000 each per year.

007GF-08 LOUISIANA STATE UNIVERSITY – BATON ROUGE
"Graduate Fellowships in Chemistry for 2008"
Requested: 3 Doctoral-Level Fellowships at $30,000/annum for 4 years

Recommended: 2 Doctoral-Level Fellowships at $29,000/annum for 4 years = $232,000 TOTAL

This is a strong, well-funded department with a good record of recruiting graduate students, particularly under-represented minority students. The early supervision of students in the first two years seems inadequate and may contribute to high department-wide attrition rates. Nevertheless, BoR fellowship recipients seem to stay in the program and succeed. The success of this department is quite unique among Chemistry departments across the country, and the panel recommends continued support. The stipend level has been reduced slightly, which will allow the department to supplement up to NSF levels if it wishes. The review team looks very favorably upon a commitment such as this on behalf of the sponsoring department, and was disappointed that this kind of match had been removed from this year's proposal. Funding is recommended for two four-year doctoral-level fellowships at $29,000 each per year.

008GF-08 LOUISIANA STATE UNIVERSITY – BATON ROUGE
"Recruitment of Superior Graduate Students in Earth, Ocean and Environmental Sciences"
Requested: 5 Doctoral-Level Fellowships at $24,000/annum for 4 years
4 Master's-Level Fellowships at $20,000/annum for 2 years

Recommended: 1 Doctoral-Level Fellowship at $24,000/annum for 4 years
0 Master's-Level Fellowships at $20,000/annum for 2 years
TOTAL AWARD = $96,000

This proposal brings together LSU's Ph.D. programs in Geological Sciences and Oceanography with the master's program in Environmental Science. The programs involve a large and productive faculty who collectively attract substantial external funding. The master's program is designed to produce science professionals who will provide expertise related to Louisiana's threatened coastal resources, but the proposal does not provide a strong case for the impact of BoR funding in this area. Plans to develop an interdisciplinary orientation do not seem to have materialized and there is little documented linkage among the three programs. The proposal might have benefited from an updated narrative that set out the opportunities and challenges that are presented by the 2005 natural disasters, to highlight the relationships between the program's research profile and the State's economic future. Although the three programs have a good track record in retaining and graduating previous BoR fellowship recipients, there is little evidence that the fellowships have leveraged greater numbers of high-quality applicants. Greater emphasis should be placed on meaningful tracking of student progress. Funding is recommended for one four-year doctoral-level fellowship at $24,000 per year.

009GF-08 LOUISIANA TECH UNIVERSITY
"Superior Graduate Fellows in Audiology"
Requested: 2 Doctoral-Level Fellowships at $18,000/annum for 4 years

Recommended: - 0 -

Although the proposal makes a strong case that with the aging of the Louisiana population there will be an increased need for audiologists, the program has a very modest faculty size and research base and minimal research expectations for students. More important, the program does not appear eligible for funding through the GF program, which does not provide support for professional doctorates like the D.Aud. If future proposals are submitted for this program, the panel requests that the PI provide some explanation of why the program is not a first professional degree, and thus eligible for GF support. Although it is ineligible for this fellowship program, reviewers were impressed with the quality of the program as evidenced by high licensure pass rates of degree recipients. On the other hand, reviewers were dismayed by the continued use of composite GRE scores as part of the admission and proposed fellowship selection criteria since ETS, itself, in published guidelines for the appropriate use of test scores designates use of summed V & Q scores as a misuse of test results (see http://www.ets.org/Media/Tests/GRE/pdf/994994.pdf). No funding is recommended.

010GF-08 LOUISIANA TECH UNIVERSITY
"Superior Graduate Fellows in Engineering"
Requested: 4 Doctoral-Level Fellowships at $24,000/annum for 4 years

Recommended: 1 Doctoral-Level Fellowship at $24,000/annum for 4 years = $96,000 TOTAL

The interdisciplinary nature of this program and its emphasis on entrepreneurship are real strengths. However, despite the growth in the master's program, the three-year downward trend in doctoral application numbers is a cause for serious concern, especially in light of the rebound and growth in international applications to U.S. institutions over the last two years. Although international students are not eligible for BoR support, it is clear that BoR fellows benefit from an environment that brings together very bright students from around the world. The fact that there are only four students from under-represented minority groups enrolled in master's and doctoral programs (out of 293 total) raises additional questions about the strength, diversity, and the ultimate viability of the pool of doctoral applicants. Clearly, a much more energetic and innovative approach to recruitment needs to be undertaken; it must be faculty-driven and broad-based, not simply relying on the efforts of a few. Attention should also be paid to development of a robust strategy for monitoring/tracking the progress and professional development of students. Funding is recommended for one four-year doctoral fellowship at $24,000 per year.

011GF-08 LOUISIANA TECH UNIVERSITY
"Superior Graduate Fellows in Computational Analysis and Modeling"
Requested: 2 Doctoral-Level Fellowships at $21,000/annum for 4 years

Recommended: - 0 -

The interdisciplinary Computational Analysis and Modeling program at Louisiana Tech remains an innovative approach to graduate education at a small university. The program has a track record of attracting small numbers of high-quality students. The gradual increase in the U.S. applicant pool is encouraging but the decline in international applications is a problem; overall, the numbers remain too small for BoR support to be a useful part of a recruitment strategy. Promotion of a small number of prestigious fellowships might help in a very limited fashion, but greater effort is needed to create visibility. The response to last year's comments is applauded, though the lack of success in attracting minority applicants remains a problem and suggests a lack of serious effort. Overall the panel remains unconvinced that this program shows clear promise of attaining regional or national eminence. No funding is recommended.

012GF-08 NICHOLLS STATE UNIVERSITY
"Interdisciplinary Master Level Training in Marine and Environmental Biology"
Requested: 3 Master's-Level Fellowships at $10,000/annum for 2 years

Recommended: 1 Master's-Level Fellowship at $10,000/annum for 2 years = $20,000 TOTAL

This strategically situated master's program has the commendable goal of bringing together a diverse group of students, from both rural and urban backgrounds, to explore issues in the environmental sciences on a campus located adjacent to the largest wetlands in the United States. The program is relatively recently established, but has attracted an active faculty, capitalizing on links to the Louisiana Universities Marine Consortium (LUMCON). The program has struggled, however, to attract applicants, in particular from minority communities. Plans to recruit nationally, given the low level of stipend proposed, seem misguided. The program might have greater success with an approach that is more regional in focus and which capitalizes aggressively on the hands-on opportunities that the program's location offers. The argument that the program can prepare students for Ph.D. programs is commendable, but evidence should be provided that this is in fact the case. In addition, the proposal contains contradictory references to the program as both new and established. The proposal should be carefully edited and updated for the next competition. Funding is recommended for one two-year master's fellowship at $10,000 per year.

013GF-08 TULANE UNIVERSITY
"Graduate Fellowships in Support of Bio-Engineering Education and Research"
Requested: 4 Doctoral-Level Fellowships at $23,000/annum for 4 years

Recommended: 1 Doctoral-Level Fellowship at $23,000/annum for 4 years = $92,000 TOTAL

The highly productive research faculty of Tulane's College of Engineering has historically provided a robust environment for preparation of doctoral students. Recognizing the challenges of the major restructuring that has followed Hurricanes Katrina and Rita, the panel is nonetheless concerned that, to date, there is no evidence to suggest a reversal in the pre-hurricane trend of declining applications and enrollments. Application and admission data strongly suggest (although data in tables and narrative in text often do not match) that energetic, innovative, faculty-driven recruitment strategies are essential to the program's survival and growth. Industrial ties might provide one good source of applicants and could be part of a larger recruiting network that focuses on statewide economic development. However, at this point it does not appear that connections between the faculty, program, and private-sector partners are particularly well developed. The lack of under-represented minority students remains a concern, although the 2+3 strategy with Xavier shows considerable promise. In this context, the use of combined verbal and quantitative GRE scores as part of the admissions and fellow selection criteria is particularly ill-advised. Indeed, the Educational Testing Service explicitly notes that use of composite GRE scores is an actual misuse of test results (see http://www.ets.org/Media/Tests/GRE/pdf/994994.pdf). Thus, this practice should be stopped immediately. Given the national attention now being given to improving doctoral completion rates, it is also important that attention be given to developing a set of explicit benchmarks for satisfactory progress and to providing the tracking and mentoring systems necessary to enhance the quality of educational and professional development experiences of all students, including those in minority groups under-represented in the field. Funding is recommended for one four-year doctoral fellowship at $23,000 per year.

014GF-08 TULANE UNIVERSITY
"Recruitment of Superior Graduate Students in Ecology and Evolutionary Biology at Tulane University"
Requested: 2 Doctoral-Level Fellowships at $26,000/annum for 4 years

Recommended: 1 Doctoral-Level Fellowship at $26,000/annum for 4 years = $104,000 TOTAL

This highly regarded program appears to be rebuilding well in the wake of Tulane's post-Katrina restructuring. Six faculty members remain, all research active, and the University has targeted the program for expansion. Recent data suggest that admissions have become more competitive, but the program continues to have little success in recruiting minorities. Plans to build research ties with Xavier University are promising but the plan to work with the Louisiana LS-LAMP program clearly has not worked. This is a program that is poised to capitalize on its location and its established record of research in sub-tropical ecologies, in particular in relationship to hurricane impacts,

wetlands loss and global climate change. Numbers of graduates have increased in recent years, and the track record in retaining previous BoR fellows is good. The proposal makes a strong case for the significance of research conducted in the program to the economy of New Orleans and Louisiana, in particular in the areas of hazardous wastes and tropical wetlands. Funding is recommended for one four-year doctoral fellowship at $26,000 per year.

015GF-08 TULANE UNIVERSITY
"Recruitment of Superior Students in Mathematics"
Requested: 3 Doctoral-Level Fellowships at $20,000/annum for 4 years

Recommended: - 0 -

A productive research faculty has secured significant extramural funding, including a VIGRE grant, which ensures the robust research environment necessary to support high-quality doctoral education. Although the applicant pool is relatively shallow, admission to the program is quite selective and it appears that a substantial proportion of those admitted choose to matriculate in the program. Unfortunately, it is often difficult to determine exactly how many students are admitted and enrolled in the program, how many of those who are admitted to doctoral study actually complete, and in what length of time they typically do so, because the tables are rather sloppily constructed and do not always match the text, which in turn is often quite outdated. Overall, the panel's major concern is that either attrition rates are high or average time to degree is protracted; for example, only 3 of 10 previous BoR fellows have completed the degree (5 have dropped) and despite an enrollment of approximately 40 doctoral students, no more than 2 doctoral degrees have been conferred in any of the last 5 years according to the data provided. For this reason alone, development of a comprehensive plan for tracking progress toward the degree and for providing mentoring and professional development opportunities conducive to degree completion is strongly encouraged. Development of more explicit and extensive ties to industry may simultaneously enhance recruitment of non-traditional students as well as the impact of "targeted students" on economic development in the State. Proposal authors should note that the Educational Testing Service lists use of composite verbal and quantitative GRE scores in admissions processes as a misuse of test information (see http://www.ets.org/Media/Tests/GRE/pdf/994994.pdf). For this reason, use of combined GRE scores in the admission of students and selection of fellowship recipients should stop immediately. No funding is recommended.

016GF-08 TULANE UNIVERSITY
"Recruitment of Superior Graduate Students in Chemistry"
Requested: 3 Doctoral-Level Fellowships at $25,000/annum for 4 years

Recommended: 2 Doctoral-Level Fellowships at $25,000/annum for 4 years = $200,000 TOTAL

This is a strong proposal from an excellent department that has received BoR support in past years. The faculty appears to be well funded. The graduate program has a decent, if not large, applicant pool from which about half are accepted. Increased recruiting of women and minorities is a positive step. Over the last five years, less than 10% of the graduate class has been comprised of under-represented minority students, so growth of this population is strongly encouraged. The proposed recruitment activities seem reasonable, though the department might find the addition of a summer research program to be a useful component of the recruitment strategy. Retention of BoR fellows is worrisome; the panel notes a 20% loss of these students in the recent past. The proposal notes that monitoring of students is "closely" followed. This statement is extremely vague, and should be strengthened and given more detail in future applications. On a positive note, the plan of the Chemistry department to underwrite the students' summer costs prior to starting in the fall is commendable. Funding is recommended for two four-year doctoral-level fellowships at $25,000 each per year.

017GF-08 TULANE UNIVERSITY HEALTH SCIENCES CENTER
"BORSF Graduate Fellowships in Integrated Systems Biology Programs"
Requested: 3 Doctoral-Level Fellowships at $29,000/annum for 4 years

Recommended: - 0 -

This proposal comes from the combined departments of Physiology and Pharmacology which evidently admit graduate students via the Integrated Biomedical Program. Funding and productivity of the faculty are very good.

The current size of the graduate programs, however, is small and the panel was concerned that the student population does not represent a critical mass. In terms of the recruitment plan, it was unclear whether these departments now recruit within the IBP, or separately, or both. If umbrella recruiting is the norm, the proposal does not address how these departments will interact with the umbrella, and how the Pharmacology department will continue its current level of success in this area. These issues are critical to assessing the likelihood that the program will be successful in its recruitment efforts. The plans for student tracking seem reasonable, and the panel notes that the attrition of BoR fellows from this program is very low. In future applications the review team advises that this group explain in detail exactly how it fits into the new structures being developed at TUHSC, how reorganization has and will continue to impact their graduate program, and especially how this will affect educational and training activities. The uncertainty surrounding this proposal is too great to recommend funding at this time.

018GF-08 TULANE UNIVERSITY HEALTH SCIENCES CENTER
"Predoctoral Training in Biomedical Sciences"
Requested: 4 Doctoral-Level Fellowships at $28,500/annum for 4 years

Recommended: 3 Doctoral-Level Fellowships at $28,000/annum for 4 years = $336,000 TOTAL

This is an excellent program run by a highly productive faculty in a number of departments and units that operate under the umbrella of Biomedical Sciences at TUHSC. Faculty research support is strong and the applications to the umbrella program are increasing, though the number of 57 accepted students in table 10 for MCB appears to be incorrect. The programs in place for student training, mentoring, and tracking are well-considered and have proven successful. The panel is concerned, however, that the average time to degree, even when making allowances for the effects of Hurricane Katrina, seems excessive and advises TUHSC to consider means to address this. Strategies to recruit minority students seem to be working well, as is particularly evident in the Summer Research Program with Xavier. Funding is recommended for three four-year doctoral fellowships at $28,000 each per year.

019GF-08 TULANE UNIVERSITY HEALTH SCIENCES CENTER
"Superior Graduate Students in Neuroscience / 08-13"
Requested: 3 Doctoral-Level Fellowships at $28,000/annum for 4 years

Recommended: 1 Doctoral-Level Fellowship at $28,000/annum for 4 years = $112,000 TOTAL

This is an interdisciplinary program bringing together a significant number of faculty, most of whom are well funded. The number of students enrolled seems very small, and these are selected from an equally limited applicant pool. A careful study of the tables suggests either that the time to degree is long or that the level of attrition is high. The training program is heavily weighted toward coursework, which probably contributes to the extended time to degree (most likely made even worse by Hurricane Katrina). Nevertheless, clearly there is an issue here which the program needs to evaluate and potentially address.
The recruiting plans are unassertive, which is particularly problematic since minority recruiting has been notably unsuccessful. The small applicant pool also suggests that more attention should be paid to innovative and aggressive recruitment efforts. Funding is recommended for one four-year doctoral fellowship at $28,000 per year.

020GF-08 UNIVERSITY OF LOUISIANA AT LAFAYETTE
"Regents Fellowships for the Applied Language and Speech Sciences Ph.D. Program"
Requested: 3 Doctoral-Level Fellowships at $24,000/annum for 4 years

Recommended: - 0 -

Established in 2001, this program has a faculty that is widely published but which has not yet secured nationally competitive extramural funding to support its research or doctoral students. Although enrollment in a young program is expected to be small, the three-year downward trend in applications is extremely troubling and unless reversed is a serious threat to the program's continued viability. A much more innovative and aggressive recruitment plan – for both majority and under-represented students – is clearly needed. One possible strategy will be to make use of connections stemming from the placement of recent ALSS Ph.D.s in tenure-track positions at

comprehensive and research-extensive universities in the Southeast and Southwest regions of the U.S. Until the program's viability is more certain, the panel does not recommend funding.

021GF-08 UNIVERSITY OF LOUISIANA AT LAFAYETTE
"Recruitment of Superior Graduate Students in Computer Science and Computer Engineering"
Requested: 4 Doctoral-Level Fellowships at $25,000/annum for 4 years

Recommended: - 0 -

This proposal is to support students in two programs under the umbrella of the Center for Advanced Computer Studies (CACS). The panel is concerned, however, by the small applicant pool which would be eligible for BoR support: a total of eight U.S. applicants is too few and CACS must implement aggressive recruitment strategies to increase domestic interest in the program. The panel notes that the recruitment plan presented in the proposal is excellent, if it is implemented as described. The University has made several recent hires that are not featured in the proposal and whose inclusion would strengthen the project. In addition, there are problems with the data provided. Table 10-GF indicates that 10 of 8 U.S. students were admitted and the same table indicates that 21, 24, and 25 students have been admitted to the Ph.D. program in the each of the last three years. Table 12-GF indicates that between 5 and 7 Ph.D. students are graduating each year. The program is growing, but not at the rate suggested by the proposal, which indicates there may be a serious retention problem. The data given in Table 12-GF on GRE and GPA do not make sense. Finally, defining "under-represented minority" to include women in Table 10-GF obscures the small number of minority applicants. Given the weaknesses of the current application, no funding is recommended.

022GF-08 UNIVERSITY OF LOUISIANA AT LAFAYETTE
"Board of Regents Fellowship Proposal for Mathematical Sciences at UL Lafayette"
Requested: 3 Doctoral-Level Fellowships at $22,000/annum for 4 years

Recommended: - 0 -

This doctoral program in Mathematics is a small, high-quality program which has shown a modest increase in U.S. applicants. The department has some active faculty who would undoubtedly benefit from more high-quality graduate students. The proposal, however, is weakly presented. Table 10-GF indicates that every student admitted to the program in the past two years accepted the offer and also enrolled. This is unlikely, and suggests a problem with the data provided. Minority recruitment seems to be non-existent, with one application in the last three years. The plans for tracking of student progress through the program are weak and poorly defined. No outcomes information is presented. No funding is recommended.

023GF-08 UNIVERSITY OF LOUISIANA AT LAFAYETTE
"Recruitment of Superior Graduate Students in Environmental and Evolutionary Biology"
Requested: 3 Doctoral-Level Fellowships at $24,000/annum for 4 years

Recommended: 2 Doctoral-Level Fellowships at $24,000/annum for 4 years = $192,000 TOTAL

Building on close linkages and with the NSGS National Wetlands Research Center and NOAA's Estuarine Habitats and Coastal Fisheries Center, both of which are located on the UL-Lafayette campus, this program has attracted talented, productive, research-active faculty who have brought in substantial external funding. The program has earned a reputation for high quality both within the University and in the region which, in turn, has attracted a substantial number of students. The proposal would be strengthened, however, by more explicit analysis of the connections between the research undertaken in areas such as stress ecology, wetlands restoration, and conservation biology and the Louisiana economy. The information presented suggests that admissions have become more selective. The program has recently had some success with minority recruitment and seems to have developed effective systems for monitoring student progress and engaging them in professional activities. There are seven BoR fellows currently enrolled, and the data provided indicate that time to degree may be a problem for this program. Funding is recommended for two four-year doctoral fellowships at $24,000 each per year.

024GF-08 UNIVERSITY OF LOUISIANA AT LAFAYETTE
"Recruitment of Superior Physics Graduate Students"
Requested: 2 Master's-Level Fellowships at $16,000/annum for 2 years

Recommended: 1 Master's-Level Fellowship at $16,000/annum for 2 years = $32,000 TOTAL

This is a very small but very successful master's program which, as the panel has noted in previous years, provides an important service to Louisiana and to those students interested in physics who may not yet be ready for doctoral-level study. The program currently has four students, which raises questions for the panel about its continued viability. The number of applicants has increased over the past three years, but the number of students accepted has not. This suggests that either the applicant pool is weak or there is insufficient funding to sustain the program. The proposal does not seem to address the issue of low admissions rates, but the applicants should provide this information in future applications. Historically, this is a quality program which has benefited from BoR support. Funding is recommended for one two-year master's-level fellowship at $16,000 per year.

025GF-08 UNIVERSITY OF LOUISIANA AT MONROE
"Graduate Fellowships in Pharmacy"
Requested: 3 Doctoral-Level Fellowships at $20,000/annum for 4 years

Recommended: - 0 -

This multi-disciplinary program in Medicinal Chemistry, Pharmaceutics, Pharmacology and Toxicology is offered by the only State-supported College of Pharmacy in Louisiana. In recent years the program has substantially expanded its research base and attracted increased external funding. A good case is made for the potential importance of the program to Louisiana's pharmaceutical and biotech industries. Student numbers have also increased and the program has a good record of moving students to graduation. To date, the program has relied very substantially on international students; the plan to shift emphasis toward recruitment of U.S. students is commendable, but there is no coherent, thoughtful strategy to achieve this and in particular to attract minority students. The proposal will be strengthened by the inclusion of such a plan. The program should also develop a more systematic approach to tracking and retention, which are only sketchily treated in the proposal. No funding is recommended.

026GF-08 UNIVERSITY OF NEW ORLEANS
"Building a Competitive Research & Instructional Information Technology Infrastructure in the Greater New Orleans Area"
Requested: 2 Master's-Level Fellowships at $17,000/annum for 2 years

Recommended: 1 Master's-Level Fellowship at $17,000/annum for 2 years = $34,000 TOTAL

As the panel has noted in past reviews, UNO's Computer Science Department aspires to raise its regional and national stature over the next several years and sees itself as playing a crucial role in a variety of economic development initiatives. Connections with local businesses have been excellent and it is hoped that these relationships will be maintained as the Gulf Coast region recovers. In particular, the panel believes that this program can and will play a role in the revitalization of New Orleans. Already graduates seem to find jobs locally and regionally, contributing measurably to the local and regional economies. The demographics of this department, however, are troubling. Graduate applications are down from 176 in 2004-05 to 42 in 06-07, which is of course related to Hurricane Katrina's impact but still cause for concern. The fact that seven graduate faculty teach 60 master's students and 250 undergraduate students is difficult to reconcile with the idea that these faculty also manage active research programs. Table 4A appears to include international students in the under-represented minority category, which is inappropriate as it obscures efforts to recruit U.S. minorities into the program. Given the strength of the program and its likelihood to contribute to the economic recovery and development of the region, funding is recommended for one two-year master's-level fellowship at $17,000.

027GF-08 UNIVERSITY OF NEW ORLEANS
"Superior Graduate Fellows in Conservation Biology at the University of New Orleans"
Requested: 2 Doctoral-Level Fellowships at $25,000/annum for 4 years

Recommended: 1 Doctoral-Level Fellowship at $25,000/annum for 4 years = $100,000 TOTAL

This relatively new program has attracted a strong faculty and reasonable external funding into an area of research that is critical to the Louisiana economy. The program has sustained a substantial decline in enrollments and applications post-Katrina, but the data presented indicate that student quality has not suffered. Advanced students and recent graduates have impressive records of scholarship and publications. The program has had some success in recruiting under-represented minorities, but a more aggressive approach will be required if substantial numbers of minority students are to be attracted to the program. As the program matures, and in the aftermath of Katrina, the program has the opportunity to articulate a compelling research mission that should facilitate student recruitment. The panel has noted with concern apparent problems with attrition and/or time to degree, suggested by the small number of Ph.D.s produced even before Hurricane Katrina. Funding is recommended for one four-year doctoral fellowship at $25,000 per year.

028GF-08 UNIVERSITY OF NEW ORLEANS
"Graduate Fellowships for the Chemistry Doctoral Program at the University of New Orleans"
Requested: 4 Doctoral-Level Fellowships at $32,000/annum for 4 years

Recommended: 1 Doctoral-Level Fellowship at $30,000/annum for 4 years = $120,000 TOTAL

This is a strong and successful program, with a well-established and productive faculty. The program has a proven record of success and is worthy of continued BoR support. However, the review group noted some serious deficiencies in the proposal. The definition of "under-represented minority" provided in the proposal includes Asian American, a group not traditionally under-represented in science, which makes it difficult for the panel to assess the success of recruitment among under-represented minority students. The number of applications from U.S. citizens is averaging approximately nine per year, which raises questions about the ability of this department to identify a strong pool from which to select BoR fellowship recipients. As the panel noted last year, it does not appear than any BoR fellowship recipients have graduated since 2000; even allowing for the effects of Hurricane Katrina, this suggests either a very long time to degree (7+ years, which contradicts with a 4.3 year claim in the body of the text) or high attrition. Student tracking plans seem to consist principally of checking off Graduate School requirements, which is inadequate. The planned mentoring and plans for following the student need to be redesigned and carefully implemented. Finally, the funding level seems excessive, and is higher than NSF stipend levels. The department may supplement the award to the extent that it wishes, but should not request this stipend level from the BoR's limited resources. Funding is recommended for one four-year doctoral-level fellowship at $30,000 per year.

029GF-08 LSU HEALTH SCIENCES CENTER - SHREVEPORT
"Recruitment of Superior Doctoral Students in Interdisciplinary Toxicology Program"
Requested: 3 Doctoral-Level Fellowships at $27,000/annum for 4 years

Recommended: 1 Doctoral-Level Fellowship at $27,000/annum for 4 years = $108,000 TOTAL

This proposal requests fellowship support for an innovative interdisciplinary program in toxicology. The goal of the program is to train expert toxicologists to serve the biotechnology industry as well as to enhance industrial development efforts linked to the University. During the last five years the College has made a concerted effort to recruit faculty in this area, resulting in a core of seven faculty members drawn from three academic departments. The program now has 14 Ph.D. students (up from only five four years ago) and is attracting a substantial number of well-qualified applicants, though there may be cause for concern regarding low GRE scores for recently admitted students. The program has now developed an interdisciplinary approach to recruitment and retention, moving away from the previous department-based model. It includes serious plans to attract more minority applicants and to provide enrichment activities and continual monitoring and mentorship. The program has committed funds to support student research and travel. Faculty members have strong records of publication and external funding. Funding is recommended for one four-year doctoral fellowship at $27,000 per year.

001GFT-08 LOUISIANA STATE UNIVERSITY – BATON ROUGE
"Highly Qualified Teachers in the Mathematics and Science Classroom"
Requested: 8 Master's-Level Fellowships at $18,000/annum for 1 year

Recommended: 6 Master's-Level Fellowships at $18,000/annum for 1 year = $108,000 TOTAL

Because of its recent attention to developing a regional recruitment plan, the innovative and nationally recognized Holmes Program appears to have made some progress in increasing and stabilizing the number of graduate students enrolling in the mathematics and science education tracks. Continued implementation of this plan, coupled with an aggressive under-represented minority student recruitment plan and additional fellowship support, should lead to an increase in the number of highly qualified mathematics and science educators in the State. One of the strengths of the program is the involvement of mathematics and science faculty outside of the College of Education, which provides students in the program with additional resources for extending and enhancing content mastery across a range of scientific disciplines. Given the current national interest in improving K-12 science and math education, the Holmes Program may be uniquely poised to capitalize on new federal funding opportunities if improvements in the pedagogical effectiveness of its master's degree recipients can be documented as a result of participation in the program. The panel strongly recommends that, if it has not already done so, the program initiate an assessment of the value added by the master's program. Finally, it is important to note that the Educational Testing Service identifies the use of composite verbal and quantitative GRE scores in admissions and selection processes as a misuse of test results. Consequently, use of combined scores in selecting BoR fellows or in measuring the quality of program participants should be immediately stopped. Funding is recommended for six one-year master's fellowships at $18,000 each per year.

APPENDIX C

Traditional Graduate Fellows Program
2006-07 Competition
Proposals Submitted

Proposal#/ Discipline	PI Name(s)	Institution	Proposal Title	Duration	Funds Requested
001GF-08 ENG	W. David Constant	LSU-Baton Rouge	Board of Regents Fellowships in Engineering	4 years 2 Doc @ $25K 2 MS @ $20K	Y1: $90,000 Y2: $90,000 Y3: $50,000 Y4: $50,000 Total: $280,000
002GF-08 CIS	S. S. Iyengar; Arjan Durresi; Rajgopal Kannan; Bijaya B. Karki; Seung-Jong Park	LSU-Baton Rouge	Recruitment of Superior Students to the Doctoral Program in Areas of Distributed Applications over High Speed Networks at Louisiana State University	4 years 4 Doc @ $25K	Y1: $100,000 Y2: $100,000 Y3: $100,000 Y4: $100,000 Total: $400,000
003GF-08 HM	Thomas R. Klei	LSU-Baton Rouge	Graduate Studies in Comparative Biomedical Sciences, Pathobiological Sciences, and Veterinary Clinical Sciences	4 years 3 Doc @ $25K	Y1: $75,000 Y2: $75,000 Y3: $75,000 Y4: $75,000 Total: $300,000
004GF-08 PHYS	Roger McNeil; Dana Browne; Kenneth Hogstrom	LSU-Baton Rouge	Graduate Fellows in Physics & Astronomy and Medical Physics Program	4 years 3 Doc @ $23K 2 MS @ $19K	Y1: $107,000 Y2: $107,000 Y3: $107,000 Y4: $69,000 Total: $390,000
005GF-08 BIO	Thomas S. Moore; Terry M. Bricker	LSU-Baton Rouge	Graduate Fellowships in Biological Sciences at Louisiana State University	4 years 4 Doc @ $25K	Y1: $100,000 Y2: $100,000 Y3: $100,000 Y4: $100,000 Total: $400,000

006GF-08 MATH	Leonard F. Richardson; Jacek M. Cygan	LSU-Baton Rouge	Recruitment of Superior Doctoral Students in Mathematics	4 years 4 Doc @ $22K	Y1: $88,000 Y2: $88,000 Y3: $88,000 Y4: $88,000 Total: $352,000
007GF-08 CHEM	George G. Stanley	LSU-Baton Rouge	Graduate Fellowships in Chemistry for 2008	4 years 3 Doc @ $30	Y1: $90,000 Y2: $90,000 Y3: $90,000 Y4: $90,000 Total: $360,000
008GF-08 EAR/ENV	R. Eugene Turner; Vince Wilson; Jeffrey Nunn	LSU-Baton Rouge	Recruitment of Superior Graduate Students in Earth, Ocean and Environmental Sciences	4 years 5 Doc @ $24K 4 MS @ $20K	Y1: $160,000 Y2: $160,000 Y3: $160,000 Y4: $160,000 Total: $640,000
009GF-08 HM	J. Clarice Dans; Sheryl S. Shoemaker	LA Tech	Superior Graduate Fellows in Audiology	4 years 2 Doc @ $18K	Y1: $36,000 Y2: $36,000 Y3: $36,000 Y4: $36,000 Total: $144,000
010GF-08 ENG	Scott A. Gold; Bala Ramachandran	LA Tech	Superior Graduate Fellows in Engineering	4 years 4 Doc @ $24K	Y1: $96,000 Y2: $96,000 Y3: $96,000 Y4: $96,000 Total: $384,000

011GF-08 MATH	Bala Ramachandran	LA Tech	Superior Graduate Fellows in Computational Analysis and Modeling	4 years 2 Doc @ $21K	Y1: $42,000 Y2: $42,000 Y3: $42,000 Y4: $42,000 Total: $168,000
012GF-08 EAR/ENV	Raj Boopathy; Earl Melancon	Nicholls State University	Interdisciplinary Master Level Training in Marine and Environmental Biology	2 years 3 MS @ $10K	Y1: $30,000 Y2: $30,000 Total: $60,000
013GF-08 ENG	Daniel De Kee	Tulane University	Graduate Fellowships in Support of Bio-engineering Education and Research	4 years 4 Doc @ $23K	Y1: $92,000 Y2: $92,000 Y3: $92,000 Y4: $92,000 Total: $368,000
014GF-08 BIO	David C. Heins; Thomas W. Sherry	Tulane University	Recruitment of Superior Graduate Students in Ecology and Evolutionary Biology at Tulane University	4 years 2 Doc @ $26K	Y1: $52,000 Y2: $52,000 Y3: $52,000 Y4: $52,000 Total: $208,000
015GF-08 MATH	Steven I. Rosencrans	Tulane University	Recruitment of Superior Graduate Students in Mathematics	4 years 3 Doc @ $20K	Y1: $60,000 Y2: $60,000 Y3: $60,000 Y4: $60,000 Total: $240,000

016GF-08 CHEM	Russell Schmehl	Tulane University	Recruitment of Superior Graduate Students in Chemistry	4 years 3 Doc @ $25K	Y1: $75,000 Y2: $75,000 Y3: $75,000 Y4: $75,000 Total: $300,000
017GF-08 HM	Krishna C. Agrawal; L. Gabriel Navar	TUHSC	BORSF Graduate Fellowships in Integrated Systems Biology Programs	4 years 3 Doc @ $29K	Y1: $87,000 Y2: $87,000 Y3: $87,000 Y4: $87,000 Total: $348,000
018GF-08 HM	Robert F. Garry; John D. Clements; Jim Karam	TUHSC	Predoctoral Training in Biomedical Sciences	4 years 4 Doc @ $28.5K	Y1: $114,000 Y2: $114,000 Y3: $114,000 Y4: $114,000 Total: $456,000
019GF-08 BIO	Bradley K. Taylor	TUHSC	Superior Graduate Students in Neuroscience / 08-13	4 years 3 Doc @ $28K	Y1: $84,000 Y2: $84,000 Y3: $84,000 Y4: $84,000 Total: $336,000
020GF-08 HM	Martin J. Ball; John A. Tetnowski; Jack S. Damico	University of Louisiana at Lafayette	Regents Fellowships for the Applied Language and Speech Sciences Ph.D. Program	4 years 3 Doc @ $24K	Y1: $72,000 Y2: $72,000 Y3: $72,000 Y4: $72,000 Total: $288,000

021GF-08 CIS	Magdy A. Bayoumi; William R. Edwards, Jr.	University of Louisiana at Lafayette	Recruitment of Superior Graduate Students in Computer Science and Computer Engineering	4 years 4 Doc @ $25K	Y1: $100,000 Y2: $100,000 Y3: $100,000 Y4: $100,000 Total: $400,000
022GF-08 MATH	Keng Deng	University of Louisiana at Lafayette	Board of Regents Fellowship Proposal for Mathematical Sciences at UL Lafayette	4 years 3 Doc @ $22K	Y1: $66,000 Y2: $66,000 Y3: $66,000 Y4: $66,000 Total: $264,000
023GF-08 BIO	Paul L. Klerks	University of Louisiana at Lafayette	Recruitment of Superior Graduate Students in Environmental and Evolutionary Biology	4 years 3 Doc @ $24K	Y1: $72,000 Y2: $72,000 Y3: $72,000 Y4: $72,000 Total: $288,000
024GF-08 PHYS	John R. Meriwether	University of Louisiana at Lafayette	Recruitment of Superior Physics Graduate Students	2 years 2 MS @ $16K	Y1: $32,000 Y2: $32,000 Total: $64,000
025GF-08 HM	Paul W. Sylvester	University of Louisiana at Monroe	Graduate Fellowships in Pharmacy	4 years 3 Doc @ $20K	Y1: $60,000 Y2: $60,000 Y3: $60,000 Y4: $60,000 Total: $240,000

026GF-08 CIS	Mahdi Abdelguerfi	University of New Orleans	Building a Competitive Research & Instructional Information Technology Infrastructure in the Greater New Orleans Area	2 years 2 MS @ $17K	Y1: $34,000 Y2: $34,000 Total: $68,000
027GF-08 BIO	Bernard B. Rees; Candace Timpte	University of New Orleans	Superior Graduate Fellows in Conservation Biology at the University of New Orleans	4 years 2 Doc @ $25K	Y1: $50,000 Y2: $50,000 Y3: $50,000 Y4: $50,000 Total: $200,000
028GF-08 CHEM	John B. Wiley	University of New Orleans	Graduate Fellowships for the Chemistry Doctoral Program at the University of New Orleans	4 years 4 Doc @ $32K	Y1: $128,000 Y2: $128,000 Y3: $128,000 Y4: $128,000 Total: $512,000
029GF-08 HM	Kenneth McMartin; Stephen Pruett; Chantal Rivera	LSUHSC-Shreveport	Recruitment of Superior Doctoral Students in Interdisciplinary Toxicology Program	4 years 3 Doc @ $27K	Y1: $81,000 Y2: $81,000 Y3: $81,000 Y4: $81,000 Total: $324,000

PROGRAM SUMMARY

NUMBER OF PROPOSALS SUBMITTED: 29

- **Agriculture: 0**
- **Biological Sciences: 5**
- **Business: 0**
- **Chemistry: 3**
- **Computer & Information Sciences: 3**
- **Earth/Environmental Sciences: 2**
- **Education: 0**
- **Engineering A&B: 3**
- **Health & Medical Sciences: 7**
- **Mathematics: 4**
- **Physics/Astronomy: 2**

FIRST-YEAR FUNDS REQUESTED: $2,273,000

TOTAL FUNDS REQESTED: $8,782,000

TOTAL FIRST-YEAR FUNDS AVAILABLE: $720,000

Graduate Fellowships for Teachers Program
2006-07 Competition
Proposals Submitted

Proposal#/ Discipline	PI Name(s)	Institution	Proposal Title	Duration	Funds Requested
001GFT-08	Byron Launey; James Wandersee; David Kirshner	LSU-BR	Highly Qualified Teachers in the Mathematics and Science Classroom	1 year 8 @ $18K	Y1: $144,000 Total: $144,000

PROGRAM SUMMARY

NUMBER OF PROPOSALS SUBMITTED: 1

FIRST-YEAR FUNDS REQUESTED: $144,000

TOTAL FUNDS REQUESTED: $144,000

TOTAL FIRST-YEAR FUNDS AVAILABLE: $180,000