JULY 2005

Louisiana Tech University

BREEZE BULLETIN

OFFICE OF UNIVERSITY RESEARCH

Life has been compared to a race . . . the most swift are usually the least manageable and the most likely to stray from the course. Great abilities have always been less serviceable to the possessors than moderate ones.

Oliver Goldsmith (1728-1774, Anglo-Irish author, poet, playwright)

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NSF MERIT REVIEW PROCESS:

To read the Report to the National Science Board on the National Science Foundation's Merit Review Process go to *http://www.rose-hulman.edu/SponsProg/MRreport_2004.pdf.*

NEW 05-06 FRINGE RATES!!!

Faculty/Unclassified: 32.6%

Civil Service: 35.8%

Contract/Post Doc.: 23.2%

WHISPERS IN THE WIND!!!

Please welcome Barbara Talbot as our new OUR secretary. She'll help keep us in line while fattening us up with chocolate! Also, the Office of University Research strives to be part of the solution (not the problem!) in the proposal writing and funding process. So, if you have an idea or suggestion about anything related to improving the grant writing/funding process at LaTech, please contact our office at 257-5075 or by e-mail at bfree@latech.edu.

NEW OFFICE OF UNIVERSITY RESEARCH WEBSITE!!!!

Check out Louisiana Tech's Office of University Research's new website at *http://research.latech.edu* and get the scoop on who's doing what with whom in current research!!! We are still in the process adding content and additional information on projects and faculty. We welcome any feedback on errors or corrections.

- Go to *http://research.latech.edu/directory* and search by faculty, research center, and/or collaborator;
- Sign up for list servs to get daily/weekly updates of funding opportunities by agency at *http://research.latech.edu/resources/funding_opportunities*. (This list will be updated regularly, so please keep checking back);
- Go to *http://research.latech.edu/resources/forms_downloads* to download updated forms for intellectual property, proposal processing, time and effort, and appointment requests;
- Learn how to write proposals that generate funds and find all related forms and other resources by accessing *http://research.latech.edu/resources.*

(Please contact Beth Free at 257-5075 or bfree@latech.edu with suggestions, comments or for assistance.)

NEW GRANTS AWARDED

March 2005:

Dr. Rastko Selmic, *Sensors Failure Detection and Mitigation Using Neural Networks,* NSF/BoR $10,400;

Dr. Yuri Voziyanov, *Engineered Site-Specific Recominase Able to Excise HIV Provirus*, NSF/BoR $12,000;

Dr. Sandra Selmic, *Semiconductive Polymers as Alternative Energy Resources*, NSF/BoR $12,000;

Angela Kennedy, *2005-06 Carl Perkins Vocational & Technical Education Incentive Grant*, $8,232;

Dr. Daniela Mainardi, *CAREER: Modified-Methanol Dehydrogenase Enzymatics Catalyst for Fueled Cell Devices*, NSF $400,000;

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NEW GRANTS AWARDED (CONT'D FROM PAGE 1)

Dr. Erez Allouche, *Visual Tool for Demonstrating Engineering concepts in a Quasi-Realistic Simulation Environment*, NSF $74,888;

Dr. Jun-Ing Ker, *Production Process Improvement for Plymouth Tube Company, Phase III*, Plymouth Tube, $3000;

Dr. Donald T. Haynie, *Bionanosystems Engineering: Peptide films and Cells*, NSF/BoR $12,000;

MARCH TOTAL: $532,520.00

April 2005:

Linda Cummings, *Hart Associates*, LDOL/IWTP $127,307;

Dr. Hisham Hegab, J. Palmer, *Technical Support for Microsystems and Nanosystems Engineering*, NSF/NLPI $10,000;

Dr. Ray Sterling, A. Saber, E. Allouche, *Continuing Education an dTraining in Utility Installation and Rehabilitation Techniques*, Contractors EdFund, $55,000;

Dr. Mary Murimi, B. Fife, *Dubach Health Outreach Project*, DHHS/HRSA $197,385;

Dr. Nathan Champagne, *Consultation with NASA on Automated Design of Spacecraft Systems*, NASA/Johnson SC $24,934;

Dr. Gary Kennedy, *Evaluation of Poultry Mortality and Litter Composting Catalysts*, Terra Environ.Tech $8,674.20;

APRIL 05 TOTAL: $423,300.60

May 2005:

Linda Ramsey, *LINCS/Lasip Renewal: Making Mathematics Meaningful for Elementary School Teachers*. BESE/BoR $32,790, USDE/BoR $117,969;

Glenn Beer, M. Livingston, J. Tobacyk, *Explorer Clubs (Year 2): Positively Impacting the Academic, Personal/Social and Career Development of LA GEAR UP Students . . .* , USDE $323,555;

Glenn Beer, D. Basinger, *Louisiana Tech/LA GEAR UP Explorers Camp*, USDE $282,800;

Glenn Beer, *Establishing the Louisiana Coalition for Academic and Mentoring Programs for Success (LaCamps)*, USDE/BoR $156,900;

Kenneth Griswold, Jr., *Medical Applications of Science in Healthy (M.A.S.H.) Summer Scholars Program*, NoLa/ AHEC $17,669.50;

Linda Ramsey, *Building Connections in Physics: Teaching, Research, Informal Science, Inquiry, and Student Learning*, NCLB/LaSIP $182,699;

Dr. Henry Cardenas, *E-Seal Phase I Sbir Consultation and Development Support*, DOD/Shot, Inc. $15,000;

Dr. Pauline Leonard, G. Beer, *Piolot Project for the Institutionalization of EPAS and the Portal*, NCLB/LaSIP $152,600;

Dr. Milan Vavrek, *Medical Decision Support for Diabetic Retinopathy Using Data Mining*, US Fish & Wildlife $37,900;

Dr. Natalia Zotov, *Mathematics*, NSF $60,000;

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NEW GRANTS AWARDED (CONT'D FROM PAGE 2)

Dr. William Ross, *Pilot Study: Improved Detection and Analysis of Southern Pine Populations and Non-Native Insects of Pines*, USDA Forest Service $9401.40;

Dr. K. Varharamyan, T. Dobbins, P. DeRosa, *Summer 2005 JFAP Educational Outreach Program at IfM*, NSF/BoR $10,000;

Tom Noble, *Patent Funds for Nanoscale Films with Specific Cell Interaction Properties and Integrated Optical Sensors*, NSF/NLPI $5,000;

Tom Noble, *Patent Funds for Sustained Drug Release from Nanorganized Polyion Microcapsules Technology*, NSF/NLPI $5,000;

Dr. Jon Pratt, *Area Technology Opportunity Forum*, NSF/NLPI $1,800;

Dr. Ken Rea, E. Wiggins, *Rural Development Center*, USDA/CSREE $107,414;

Dr. Janie Humphries, *Teaching Numeracy Through Children's Literature*, Epsilon State $250;

Linda Cummings, *FWM Mechanical, Inc.*, LDOL/IWTP $40,824.30;

MAY 2005 TOTAL: $1,559,572.20

June 2005:

Dr. Jo Ann Dauzat, C. Wiggins, C. Stockton, *National Board Certified Teacher-in-Residence Subprogrant*, $15,000;

Dr. Elaine Thompson, *New Orleans Notarial Archives Graduate Internship*, Orleans/Notarial $2,000;

Dr. Chester Wilson, *Micro and Nanofabricated Neutron Sensors and Sources for Homeland Security and Oilfield Applications*, BoR/RCS $61,680;

Dr. Debasish Kuila, *Synthesis and Characterization of Nano-catalysts for Hydrogen Production*, BoR/RCS $41,738;

Dr. Debasish Kuila, *Enhancement of Educational Infrastructure for Nanotechnology*, BoR/ENH $124,665;

Linda Cummings, *Weyerhouser*, LDOL/LTC $12,000;

Dr. David K. Mills, L. Ramsey, *NERO: Nanoscience Education and Research Outreach Program*, NSF/BoR $19,755;

Dr. Henry Cardenas, *Reactive Electrophoretic Consolidation of Fine Construction Aggregates*, Osmo Tech $37,843;

Pamela Ford, T. McConathy, *Student Achievement Center Expansion*, BoR $93,700;

Glenn Beer, M. Livingston, *Louisiana Tech Enhancing Science Teaching (LaTEST)*, BoR/ENH $128,906;

Dr. Mike McShane, *NER: Fundamental Aspects of Incorporating, Surface Engineered Florescent Nanoparticles*, NSF $100,000;

Dr. Erez Allouche, R. Sterling, J. Wang, *Numerical and Experimental Evaluation of the Structural Behavior of a Demountable S.I.P Structure Subjected to Status and Impact Loads*, IMT/L.L.C. $15,860.

JUNE 2005 TOTAL: $653,147

YTD: $9,540,238.35

PROPOSALS SUBMITTED

FILE #	PI	Co-PI 's	TITLE	AGENCY	$
05-271	Haynie, Donald		Controlled Self-Assembly of Conductive Nanowires: Methods,	Navy	400,000
05-272	Dowd, Duane		Lincoln Parish Healthy Marriages Initiative	Entergy Corporation	4,024
05-273	Colvin, Jan		The Experience of Male Caregivers Caring for a Family Member with Cancer	American Cancer Society	287,000
05-274	Noble, Tom		Patent app. on UREA Sensor for Online Dialysate Monitoring . . .	NLPI	5,000
05-275	Noble, Tom		Patent application of Self-assembly of Metallic Nanowires . . .	NLPI	5,000
05-276	Noble, Tom		Patent app. on Counter Sunk Anterior Pedicle Screw Instrumentation Device	NLPI	5,000
05-277	Allouche, Erez		Review of CMOM Compliance in US Municipalities	Parsons Brickerhoff, et al	15,000
05-279	Hegab, Hisham	Palmer, James	Developing Capstone Research/ Design Projects for Nanosystems	NSF	199,879
05-280	Innman, Debbie		Top Dawg' Business Plan Competition Enhancement Funding	NLPI	10,000
05-281	Proctor, Larry		Better Health for the Delta/Phase 2 Reapplication Grant	Health and Human Resources	17,000
05-282	Phoha, Vir		Symbolic Dynamics and Discrete Event System Based Anomaly Detection . . .	DOD	40,000
05-283	Beer, Glenn	Ramsey, Linda Davidson, Carrie	Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR-UP)	DOEdu	6,641,781
05-284	Ross, William		Pilot Study: Improved Detection and Analysis of Southern Pine Populations . . .	USDA	9,325
05-289	Roach, Susan		Louisiana Regional Folklife Program	La. Div. Of the Arts	60,000
05-290	Shipp, Michael		Comprehensive Center for Rehabilitation Technology	Louisiana Rehabilitation Services	1,221,766
05-291	Cox, Mickey		Fault Location on Radial Distribution Systems	SWEPCO/AEP	24,870
05-293	Dua, Sumeet		Medical Decision Support for Diabetic Retinopathy Using Data Mining	DHHS	51,898
05-294	Kennedy, Gary	Hillard, Jeff Green, William	Evaluation of Poultry Mortality and Litter Composting Catalysts	Terra Environmental Tech-	8,674
05-295	Norris, Dave	Chopin, Marc	City of Ruston, Economic Development Strategic Plan	City of Ruston	40,000
05-296	Gerald, Bonnie	Hunt, Alice	Factors Influencing Participation in the National School Lunch Program	Child Nutrition Foundation for the School Nutrition Association	12,465

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PROPOSALS SUBMITTED(CONT'D FROM PAGE 4)

FILE #	PI	Co-PI 's	TITLE	AGENCY	$
05-297	Kuila, Debasish	Mills, David	InVitro Culture of Human Cells for Toxicity Screening Using SAM-Patterned Sustrates	Alternative R&D Foundation	39,600
05-298	Cummings, Linda		Weyerhauser	Dept. of Labor	12,000
05-300	Ryles, Ruby		Teaching Blind Students	DOEdu	789,924
05-301	Allouche, Erez	Wang, Jay Baumert, Mike	Development and Verification of a Standard Defelction Tst for Buried Flexible PVC Pipes	IPEX	25,000
05-302	Hall, David	Ker, Jun-Ing	Investigation of Sink Breakage During Shipping	FHP Kindred	13,092
05-303	Besio, Walter		Noninvasive Seizure Control	NCI	16,300
05-304	Sit, Sidney		Effect of Material Surface Properties on Cell Mechanics . . .	Goldman Partnerships	24,934
05-305	O'Conner, John		Project HOPE: Home Schoolers Opportunities for Physical Education	UPS	33,163
05-306	Crittenden, Kelly	Nelson, James	Entrepreneurship Through Multidisciplinary Projects and Collaborative Teams (Empact)	NSF	149,482
05-307	Trzyna, Wendy	Swanson, Mark	Characterization and Protein-Protein Interactions of the Acanthamoeba Metacaspase	NIH	198,480
05-308	Thompson, Elaine		New Orleans Notarial Archives Graduate Internship	NO Notarial Archives Resch Cntr	2,358
05-310	Overby, Aleta	Watson, Susan	Linking the Equine Industry to Economic Development Efforts	Southern Region Sare Prog.	14,377
05-311	Cardenas, Henry		Reactive Electrophoretic Consolidaton of Fine Construction Aggregates	Osmotech, Inc.	33,375
05-312	Ford, Pamela	Pumphrey, Norm	Student Achievement Center Expansion	BoR	93,700
05-313	Ji, Haifeng	Varahramyan, Kody	Development of a Handheld Microsensor Device for In-Situ Beryllium Particle Detection	DoE	300,000
05-314	Long, David		Urban Forestry Training Spring 2006	LDAF	10,000
05-315	Selmic, Rastko		Wireless Sensor Network Research and Development. . .	DOE	69,803
05-316	Sawyer, Lee		Proposed Consortium Arrangements with Univ. of Oregon under DOE and NSF Proposals	DOE	81,000
05-317	Dauzat, Jo Ann	Young, Tony	Value-Added Teacher Preparation Assessment Program Qualitative Research Study	BoR/ Teacher Edu.	50,000
05-318	Allouche, Erez	Sterling, Ray	Numerical and Experimental Evaluation of the Structural Behavior of a Demountable S.I.P. Structure . . .	Inventure Modular Tech., LLC	15,860
05-319	Kennedy, Angela		2005-06 Carl Perkins Vocational and Technical Education Act of 1998	Carl Perkins	82,201

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PROPOSALS SUBMITTED(CONT'D FROM PAGE 5)

FILE #	PI	Co-PI 's	TITLE	AGENCY	$
05-320	McShane, Mike	Jacob, Jean T.	Epithelialization of Tissue Engineered Corneas	LSU Health Sciences Center	99,323
05-321	DeRosa, Pedro	Wilson, Chester	GSU Collaboration	DoE	490,807
05-322	Szlavik, Robert		Combined Model of the Neuromuscular Junction . . .	NSF	280,780
05-320	McShane, Mike	Jacob, Jean	Epithelialization of Tissue Engineered Corneas	LSU Health Sciences Center	99,323
05-321	DeRosa, Pedro	Wilson, Chester	GSU Collaboration	DoE	490,807
05-322	Szlavik, Robert		Combined Model of the Neuromuscular Junction . . .	NSF	280,780
05-323	Cronk, Stan		Interactive Alternative Displays for Graphical Information	DoEdu	188,465
05-324	Newbold, Ray A.	Patterson, William	Nutrient Supply and Demand	USDA Forest Sevice	1,500
05-325	Newbold, Ray A.		Acquisition of Laser-Basedhypsometers	Plum Creek Foundation	9,943
05-326	Mainardi, Daniela		Hydrogen Storage By Beryllium-Doped Carbon Nanostructures for Transportation Applications	DOE	200,481
05-327	Wyatt, Kathy		LaTech Small Business Development Center	SBA	60,000
05-328	Dobbins, Tabbetha		X-Ray Absorption Spectroscopy Studies on Covalently Functionalized Carbon Nanomaterials . . .	BoR Epscor	3,000
05-329	Guice, Leslie K.		LaTech University LONI Grant	BoR	199,200
05-330	Moegle, Steele		Guest Artist for LaTech's Piano and Voice Camp	La Decentralized Arts Funding Program	2,500
05-331	Robbins, Kenneth		Extending Performing Arts Events into the Lincoln Parish Communities	La Decentralized Arts Funding Program	3,000
05-332	Robbins, Kenneth		Festival of New Works Playwright's Visitation Program	La Decentralized Arts Funding Program	6,000
05-333	Cunningham, Chris		Consultation with NASA on Graphical User Interface Design	NASA	20,000
05-334	Wiggins, Carynn		Spelling, Vocabulary & Reference Materials Oh, My!	La. Dept. of Education	3,411

ADDITONAL GRANT FUNDING FOR EXISTING AWARDS

Dixie Griffin, CITY OF RUSTON, $20,000;

James Heimdal, NORTH CENTRAL ALLIANCE PARTNERS IN PREVENTION, SAMHSA Yr 2 funding through Louisiana Dept. of Health and Human Services, $31,696;

Dave Norris, ECONOMIC AND COMMUNITY DEVELOPMENT OUTREACH INITIATIVE, US Dept. of Commerce, $81,484;

Lee Sawyer, RESEARCH IN HIGH ENERGY PHYSICS AT LOUISIANA TECH UNIVERSITY, DOE Yr. 4 funding, $170,000;

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ADDITONAL GRANT FUNDING FOR EXISTING AWARDS (CONT'D FROM PAGE 6)

Erez Allouche, ENHANCEMENT AND TESTING OF THE TERRABRUTE RESTRAINT JOINT, IPEX, Inc. $11,626;

Sumeet Dua, DESIGN & DEVELOPMENT OF NOVEL DATA MINOR ALGORITHMS FOR GENE EXPRESSION DATA, NIH through LSU, $32,842;

Bill Patterson, SOIL PHYISCAL PROPERTY RESPONSE TO PRESCRIBED FIRE AND CHEMICAL VEGETATION MANAGEMENT TREATMENTS, USDA Yr. 2 funding, $5,200;

Sandra Selmic, CONJUGATED POLYMER OPTOELECTRONIC TECHNOLOGY, BOR Yr. 3 funding, $45,000;

Andrei Paun, A NEW METHOD FOR SIMULATING CELLS GLOBALLY, BOR Yr. 2 funding, $33,700;

Mike McShane, NOVEL MICRO/NANO APPROACHES FOR GLUCOSE MEASUREMENT USING PH-SENSITIVE HYDROGELS, DOD Yr. 2 funding $150,000;

Dick Greenwood, A LOUISIANA TECH/FERMILAB PARTNERSHIP TO DEVELOP A D0 SILICON DETECTOR TESTS FACILITY AND REMOTE LINUX ANALYSIS FACILITY, DOEnergy Yr. 2 funding, $96,792;

David Mills, LOUISIANA TECH'S GRADUATE K-12 TEACHING FELLOWS PROGRAM, NSF Yr. 3 funding, $509,368;

Dave Norris, INDEPENDENT ECONOMIST, Louisiana Division of Administration Yr. 3 funding, $100,00;

Yuri Lvov, PROTEIN DRUG MICROENCAPSULATION, Epics Therapeutics, Inc., $40,000;

Steven Jones, UNDERGRADUATE EXPERIENCES IN MICRO AND NANO ENGINEERING, NSF Yr. 3 funding, $91,850;

Sumeet Dua, DESIGN & DEVELOPMENT OF NOVEL DATA MINOR ALGORITHMS FOR GENE EXPRESSION DATA, NIH through LSU, $41,166;

Glenn Beer, ENHANCEMENT OF MIDDLE GRADES (4-8) MATH AND SCIENCE DEGREE PROGRAMS, NASA through LaSPACE Consortium,/LSU, $10,894;

Mike McShane, NANFABRICATED BIOCHEMICAL SENSORS: USE IN REAL TIME MONITORING OF CELLULAR RESPONSE TO PULSATILE MICRO-FLUIDICALLY-DELIVERED CHEMICAL STIMULI, NASA through LSU/LaSPACE, $2,100;

Lee Sawyer, INCORPORATING A BALLOON PHYSICS COURSE IN THE INTEGRATED SCIENCE CURRICULUM, NASA through LSU/LaSPACE, $6,350;

Dick Greenwood, LASPACE FELLOWSHIP PROGRAM, NASA through LSU/LaSPACE, $5,001;

Frank Ji, MULTILAYER MODIFICATIONS OF MICROCANTILEVERS FOR CA2+ MEASUREMENT, NASA through LSU/LaSPACE, $4,200;

Don Haynie, PHYSICAL BASIS OF POLYPEPTIDE MULTILAYER FILM ASSEMBLY , NASA through LSU/LaSPACE, $4,200;

Hisham Hegab, INVESTIGATIO NOF NUMERICAL METHODS FOR FLOWS IN PARTIAL CHEMICAL EQUILIBRIUM, NASA through LSU/LaSPACE, $2,100;

Bill Elmore, GRADUATE FELLOWSHIPS FOR THE ENGR., CAM, AND BME PHD PROGRAMS, BOR Yr. 3 funding, $17,500;

Les Guice, INNOVATIVE VENTURES FOR EMERGING TECHNOLOGIES IN RURAL NORTH LOUISIANA, NSF Yr. 2 funding, $199,979;

Les Guice, INNOVATIVE VENTURES FOR EMERGING TECHNOLOGIES IN RURAL NORTH LOUISIANA, BOR Yr. 2 funding, $9,999;

Jenna Carpenter, INTEGRATING THE SCIENCES AND SCIENCE EDUCATION IN THE EARLY COLLEGE CURRICULUM, NSF Yr. 2 funding, $50,093;

Glenn Beer, LOUISIANA TECH/LaGEAR UP EXPLORER CAMPS, US Dept. of Education through LaSIP, $28,097;

Kathleen Johnston, PARITY VIOLATING ELECTRON SCATTERING AT JEFFERSON LAB, NSF, $223,341;

Don Haynie, COST-EFFECTIVE MEANS OF DETECTING, COLLECTING AND DISPOSING OF DIMETHYLMERCURY, Burchfield Resources, Yr. 3 funding $12,500;

Stan Napper, GRADUATE FELLOWS FOR BIOMEDICAL ENGINEERING PHD PROGRAM, BOR Yr. 2 funding, $20,000;

Kody Varahramyan, NANOTECHNOLOGY FOR NUCLEAR PROLIFERATION APPLICATIONS, DOEnergy Yr. 2 funding $68,042;

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ADDITONAL GRANT FUNDING FOR EXISTING AWARDS (CONT'D FROM PAGE 7)

Clarice Dans, TWO MASTER OF ARTS GRADUATE FELLOWS FOR SPEECH-LANGUAGE PATHOLOGY, BOR Yr. 2 funding, $10,000;

Mesut Sahin, EXTRACTION OF MOTOR SIGNALS FROM THE SPINAL CORD, Whitaker Foundation, Yr. 3 funding, $66,488.

NEW FUNDING OPPORTUNITIES

- LOUISIANA BOARD OF REGENTS/LAEPSCOR PILOT FUNDING FOR NEW RESEARCH (PFUND). Deadline date/Proposals due to agency: September 30, 2005. Download RFP at *http://laregents.org/www2/main/pfundwithforms.pdf*.
- LOUISIANA BOARD OF REGENTS/LINKS WITH INDUSTRY, RESEARCH CENTERS AND LABS, open deadline through June 30, 2006. Download RFP at *http://laregents.org/www2/main/linkwithforms.pdf*.

(Louisiana Board of Regent's Enhancement, Research Competitiveness, and Graduate Fellows RFP's will be released in August. Go to *http://laregents.org/www2/index.htm* to check.)

- UNITED STATES DEPARTMENT OF COMMERCE (NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION). The National Oceanic and Atmospheric Administration (NOAA) announces the availability of grant funds for Fiscal Year 2006 with a single source of program and application information related to the Agency's competitive grant offerings, and it contains the information about those programs required to be published in the Federal Register. **Applications for funding under the MARFIN program will be accepted between June 30, 2005 and 5:00 PM eastern daylight time on August 15, 2005.** Go to *http://sero.nmfs.noaa.gov/grants/marfin.htm* for the full announcement. **Applications for funding under the CRP program will be accepted between June 30, 2005 and 5:00 PM eastern daylight time on August 29, 2005**. Go to *http://sero.nmfs.noaa.gov/grants/crp.htm* for the full announcement.
- CANARY FUND AND THE AMERICAN CANCER SOCIETY announce a Postdoctoral Program in the Early Detection of Cancer has created a postdoctoral fellowship program focused on studies in the tools and technologies for developing strategies for the early detection of cancer. No Letter of Intent is required and applicants to this Program should indicate their response to the RFA on Page 1 of the application. The deadline for receipt is October 15, 2005. For additional information regarding program policies or to obtain an application please refer to the ACS website: *www.cancer.org/research*.
- AMERICAN CANCER SOCIETY REQUEST FO R APPLICATIONS: Pathogenesis and Treatment of Lymphedema Secondary to the Management of Breast Cancer. Letter of Intent due August 15, 2005. Applications due October 15, 2005. Complete and detailed instructions on grant applications can be found at *www.cancer.org*.

UPCOMING WORKSHOPS/CONFERENCES

- **Louisiana Board of Regents: Workshop for Prospective Applicants to the K-16 Partnerships**. A full day workshop is scheduled for October 10, 2005 and will be held from 9am to 4pm in the Claiborne Building, 1201 North 3rd St., Baton Rouge, LA. To access the full memo go to Workshops and Conferences at *http://research.latech.edu/resources/resource_links*.

WHY PROPOSALS ARE REJECTED . . .

***University of Michigan* Proposal Writer's Guide** by Don Thackrey

V. Why Proposals Are Rejected

Assuming that funds are available, that geographical distribution is not a criterion, and that political considerations are not present, the success of a proposal will depend both on the quality of the project itself and the quality of its presentation in the proposal. Different reviewers, of course, will weigh merits and defects differently, but the following list of shortcomings of 605 proposals rejected by the National Institutes of Health is worth pondering. The list is derived from an article by Dr. Ernest M. Allen (Chief of the Division of Research Grants, National Institutes of Health) that appeared in Science, Vol. 132 (November 25, 1960), pp. 1532-34. (The percentages given total more than 100 because more than one item may have been cited for a particular proposal.)

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WHY PROPOSALS ARE REJECTED (CONT'D FROM PAGE 8)

A. Problem (58 percent)

1. The problem is not of sufficient importance or is unlikely to produce any new or useful information. (33.1)
2. The proposed research is based on a hypothesis that rests on insufficient evidence, is doubtful, or is unsound. (8.9)
3. The problem is more complex than the investigator appears to realize. (8.1)
4. The problem has only local significance, or is one of production or control, or otherwise fails to fall sufficiently clearly within the general field of health-related research. (4.8)
5. The problem is scientifically premature and warrants, at most, only a pilot study. (3.1)
6. The research as proposed is overly involved, with too many elements under simultaneous investigation. (3.0)
7. The description of the nature of the research and of its significance leaves the proposal nebulous and diffuse and without a clear research aim. (2.6)

B. Approach (73 percent)

1. The proposed tests, or methods, or scientific procedures are unsuited to the stated objective. (34.7)
2. The description of the approach is too nebulous, diffuse, and lacking in clarity to permit adequate evaluation. (28.8)
3. The overall design of the study has not been carefully thought out. (14.7)
4. The statistical aspects of the approach have not been given sufficient consideration. (8.1)
5. The approach lacks scientific imagination. (7.4)
6. Controls are either inadequately conceived or inadequately described. (6.8)
7. The material the investigator proposes to use is unsuited to the objective of the study or is difficult to obtain. (3.8)
8. The number of observations is unsuitable. (2.5)
9. The equipment contemplated is outmoded or otherwise unsuitable. (1.0)

C. Investigator (55 percent)

1. The investigator does not have adequate experience or training for this research. (32.6)
2. The investigator appears to be unfamiliar with recent pertinent literature or methods. (13.7)
3. The investigator's previously published work in this field does not inspire confidence. (12.6)
4. The investigator proposes to rely too heavily on insufficiently experienced associates. (5.0)
5. The investigator is spreading himself too thin; he will be more productive if he concentrates on fewer projects. (3.8)
6. The investigator needs more liaison with colleagues in this field or in collateral fields. (1.7)

D. Other (16 percent)

1. The requirements for equipment or personnel are unrealistic. (10.1)
2. It appears that other responsibilities would prevent devotion of sufficient time and attention to this research. (3.0)

WHAT'S ALL THIS TALK ABOUT LONI????

LONI is the acronym for Louisiana Optical Network Initiative designed to catapult Louisiana to the forefront of research technology by integrating Louisiana's top resources (colleges, research centers and businesses) with the National Lambda Rail, a high-speed network that utilizes light waves for data transmission, computation and communication. For a complete (although a bit outdated) overview of what LONI is all about, go to *http://www.gridtoday.com/04/1108/104216.html*. Exciting details about Tech's involvement in LONI will be coming in the next issue of the BREEZE!!! It'll blow you away!!