Office of Sponsored Programs News
Starting with this issue of our newsletter, we will highlight in each edition a school or department that has been proactive in seeking external funding, and is furthering the mission of the university through their scholarly activity. This month we highlight the Thomas J. Long School of Pharmacy & Health Sciences. Please see page 4 for their story.

Human Subjects News
Protocol Submission
Detailed information about protocol submission, as well as complete IRB guidelines are in the Human Subjects Manual. If your project fits into either the Exempt or Expedited category, you may submit three copies of your protocol at any time. Plan on an average of two to three weeks before you receive a response from reviewers.

Submit twelve copies of your proposal if it requires Full Review.
Deadlines for submission of Full Review Human Subjects protocol for the remainder of the 07-08 academic year are as follows:

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<th>Submission Deadline</th>
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<td>January 31</td>
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Research with Children
The government’s Office of Human Research Protections announces the availability of a new set of Frequently Asked Questions (FAQs) to help clarify issues related to research involving children. You may access these FAQs from the OHRP website's Policy and Guidance page http://www.hhs.gov/ohrp/policy/index.html under the header "children," then "Research with Children FAQs"

Faculty Research Committee Deadlines for the 07-08 Academic Year
Faculty Research Committee deadlines for the remainder of the academic year are as follows:
- Eberhardt Research Fellowships: January 18, 2008
- Dreyfus Foundation Award for Student Research: February 22, 2008
- Scholarly/Artistic Activities Grants: March 21, 2008
- Hoefer Prize for Student-Faculty Research/Creative Projects: April 4, 2008

For information on the awards, link to:
http://web.pacific.edu/x19981.xml

Federal Negotiated Rates for Proposals:
Indirect Cost Rate: 55% of salaries and wages
Fringe Benefit Rate: 25.5%
Funding Opportunities

If you find any of the funding opportunities of interest or if you would like the Office of Sponsored Programs to conduct a customized funding opportunities search for your specific research interests, please contact Carol Brodie, cbrodie@pacific.edu

The University of the Pacific purchases an annual subscription to InfoEd's SpinPlus, a Web-based funding opportunities database. If you would like to search through SpinPlus, please contact Carol Brodie for the password.

Humanities and the Arts

The National Endowment for the Humanities has many grant programs that Pacific faculty are eligible to apply for. Additional details and funding programs can be accessed at: http://www.neh.gov/grants/grants.html

The California Story Fund will award competitive grants to public humanities programs that bring to light compelling stories from California’s diverse communities and provide opportunities for collective reflection and public discussion. The Story Fund is intended to encourage Californians from many communities to share their stories, thus promoting greater understanding and appreciation of the richness and complexity of the state. The council is especially interested in projects that will engage California youth in interpreting and reflecting on their experience through humanities-based programming. Organizations serving youth are strongly encouraged to apply.
Deadline: February 4, 2008
RFP Link: http://fconline.foundationcenter.org/pnd/10009977/calhum

The Academy Foundation, the educational and preservation wing of the Academy of Motion Picture Arts and Sciences (http://oscars.org/) make grants through its Institutional Grants Program funding to film-related nonprofit organizations, schools, and colleges. Deadline: January 15, 2008
RFP Link: http://fconline.foundationcenter.org/pnd/10010108/oscars

Behavioral & Social Sciences

Looking for Behavioral or Social Sciences Funding?
FundSource, http://www.decadeofbehavior.org/fundsource/index.html, is a free service that helps behavioral and social scientists find funding. FundSource offers a searchable funding database, grant writing tips, links to funding opportunities, and links to information on fellowships, sabbatical support and conference funding.

The FINRA Investor Education Foundation is interested in applications that focus on the following areas:
- New marketing and distribution channels for financial and investor education
- Helping Americans manage their finances and investments in retirement
- Meeting the financial and investor education needs of underserved audiences
- Using behavioral finance to improve saving and investing

Concept proposals submitted for the February 8 deadline will be considered for June 2008 funding if awarded. There is no set minimum or maximum grant amount. In considering grant requests, the merits of the proposed project are the primary focus. Deadline: February 8, 2008
URL: http://www.finrafoundation.org/grants.asp

The National Science Foundation Human and Social Dynamics (HSD) priority area fosters breakthroughs in understanding the dynamics of human action and development, as well as knowledge about organizational, cultural, and societal adaptation and change. HSD aims to increase our collective ability to understand the complexities of change; understand the dynamics of human and social behavior at all levels, including that of the human mind; understand the cognitive and social structures that create, define, and result from change; and manage profound or rapid change, and make decisions in the face of changing risks and uncertainty. Deadline: February 19, 2008 (Type 1 Proposals) or February 22, 2008 (Type 2 Proposals)

Natural and Physical Sciences, & Engineering

The National Science Foundation announces the guidelines for ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers. The goal of the ADVANCE program is to develop systemic approaches to increase the representation and advancement of women in academic science and engineering careers, thereby contributing to the development of a more diverse science and engineering workforce. Proposals that address the participation and advancement of women with disabilities and of women from underrepresented minority groups

NSF's Biological Physics program supports projects in which the analytical and experimental tools of physics are applied to the study of problems originating in the living world. Both experimental and theoretical projects are funded through the program. Of particular interest are projects in which new experimental and theoretical approaches are brought to bear on a well-identified problem. These approaches should at the same time have the potential for broad applicability to a set of similar problems, thereby adding to the set of tools the scientist has for addressing biological problems in general. Deadline: July 31, 2008. URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=6673

NSF's Collaborative Research in Chemistry program is designed to promote collaborative research in a coherent, defined project at the forefront of the chemical sciences. CRC proposals will involve three or more investigators with complementary expertise. Co-investigators may include researchers with backgrounds in diverse areas of chemistry and other science and engineering disciplines appropriate to the proposed research. The use of cyber-infrastructure to enable and enhance collaborations is encouraged. Preliminary Proposal Due Date(s) (required): November 12, 2007 Full Proposal Deadline: March 31, 2008. URL: http://www.nsf.gov/pubs/2007/nsf07581/nsf07581.htm

The Division of Chemistry of the National Science Foundation (NSF, under the umbrella of the Chemistry Research Instrumentation and Facilities Program (CRIF), invites applications for the Chemistry Research Instrumentation and Facilities program. This program provides support to research institutions and consortia for the establishment of regional or national instrumentation facilities, the purchase of departmental research instrumentation, and the development of state-of-the-art equipment. Full Proposal Deadline(s) (due by 5 p.m. proposer's local time): February 01, 2008. http://www.nsf.gov/pubs/2008/nsf08504/nsf08504.htm

The Major Research Instrumentation Program (MRI) is designed to increase access to scientific and engineering equipment for research and research training in our Nation's organizations of higher education, research museums, and nonprofit research organizations. This program seeks to improve the quality and expand the scope of research and research training in science and engineering, and to foster the integration of research and education by providing instrumentation for research-intensive learning environments. The MRI program encourages the development and acquisition of research instrumentation for shared inter- and/or intra-organizational use and in concert with private sector partners. Equipment for the social sciences is included in this program. Full Proposal Deadline(s) (due by 5 p.m. proposer's local time): January 24, 2008. http://www.nsf.gov/pubs/2008/nsf08503/nsf08503.htm

Through the Long Term Research in Environmental Biology program, the NSF Division of Environmental Biology encourages the submission of proposals aimed at generating extended time series of biological and environmental data that address ecological and evolutionary processes aimed at resolving important issues in environmental biology. Researchers must have collected at least six years of previous data to qualify for funding. The proposal also must present a cohesive conceptual rationale or framework for ten years of research. Questions or hypotheses outlined in this conceptual framework must guide an initial 5-year proposal as well as a subsequent, abbreviated renewal. Together, these will constitute a decadal research plan appropriate to begin to address critical and novel long-term questions in environmental biology. As part of the requirements for funding, projects must show how collected data will be shared broadly with the scientific community and the interested public. Two Annual Deadlines: January 09, 2008, and January 9, Annually Thereafter; July 09, 2008 and July 9, Annually Thereafter

Education

The Department of Education Institute of Education Sciences announces its interest in considering applications for research, evaluation, statistics, and dissemination projects that would make significant contributions to the mission of the Institute. The Institute’s mission is to conduct and support rigorous education statistics, research, and evaluation in order to provide reliable information about the condition of education, education practices that improve academic achievement, and the effectiveness of federal and other education programs. The Institute does not provide funds to support program delivery or the provision of services. In addition, activities supported by the Institute must be relevant to U.S. schools. Deadline: February 29, 2008, 8:00 pm ET http://ies.ed.gov/funding/pdf/unsolicited08.pdf

The National Science Foundation Developmental and Learning Sciences Program aims to support research that focuses on the mechanisms of development that explain when and how children and adolescents acquire new skills and knowledge and to elucidate the underlying developmental processes that support learning. Additional priorities are to support
developmental research that: incorporates multidisciplinary, multi-method, microgenetic, and longitudinal approaches; develops new methods and theories; examines transfer of knowledge from one domain to another and from one situation to another; assesses peer relations, family interactions, social identities, and motivation; examines the impact of family, school, and community resources; assesses adolescents' preparation for entry into the workforce; and investigates the role of demographic characteristics and cultural influences on children's development. Funding initiatives being offered under this program include:

- **Individual Investigators Research Projects:** Projects are anticipated to have annual budgets (total costs) in the $75,000 to $120,000 range (up to 5 years), depending upon the research requirements.
- **Workshops and Small Conferences:** Projects are anticipated to have budgets (total costs) in the $10,000 to $15,000 range, depending upon the size of the meeting. Budgets that exceed these amounts that are well-justified will be considered.

Deadlines: January 15 and July 15


### Health/Medical/Biomedical

The **California Breast Cancer Research Program** has announced its next cycle of funding. They offer Dissertation Awards, Postdoctoral Fellowships, and IDEA (Innovative, Developmental, and Exploratory) Awards. Information and deadlines are at: [http://www.cabreastcancer.org/apply/call](http://www.cabreastcancer.org/apply/call)

The Nancy R. Gelman Foundation has announced a call for its 2008 Seed Grant Program, which funds projects designed to improve outcomes for women with **breast cancer**. Grants will be awarded for basic science (research) proposals and for community-based proposals. Grant amounts will not exceed $3,000 to any one recipient. The total amount disbursed in this or any given year will be determined by the strength of the overall applicant pool.

Deadline: February 20, 2008

RFP Link: [http://fconline.foundationcenter.org/pnd/10010119/nrgf](http://fconline.foundationcenter.org/pnd/10010119/nrgf)

**NIDCR Small Research Grants for Data Analysis and Statistical Methodology (R03)**

The purpose of this mechanism is to provide up to $100,000 annual Direct Costs for up to two years for meritorious research projects that involve secondary data analyses using existing database resources. The development of statistical methodology appropriate for analyzing oral health data using existing oral health data may also be proposed.

Deadline is February 16.


Microsoft Research ([http://research.microsoft.com/default.aspx](http://research.microsoft.com/default.aspx)) has announced a Request for Proposals for projects to aid researchers, scientists, and clinicians in the use of genome-wide association studies. Genome-wide association studies aim to correlate patterns of genomic variation with phenotypes such as response to drugs, disease, aging, or the expression of genetic disorders. The ultimate objective of this RFP is to accelerate the rate of discovery of common genetic factors that influence health and disease. Successful proposals will address the limitations of existing systems and facilitate solving a specific genomic research question.

Deadline: January 21, 2008

RFP Link: [http://fconline.foundationcenter.org/pnd/10009988/microsoft](http://fconline.foundationcenter.org/pnd/10009988/microsoft)

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**Monthly Profile: Thomas J Long School of Pharmacy and Health Sciences**

*by Dr. Xiaoling Li*

Founded in 1955, the Thomas J Long School of Pharmacy and Health Sciences has been providing a scholarly environment to support research in the basic, applied, and clinical sciences, to advance knowledge, and to encourage fundamental discovery. The faculty in Thomas J Long School of Pharmacy and Health Sciences believe in a balanced model of teacher and researcher/scholar. While demonstrating excellence in teaching, faculty in the Thomas J. Long School of Pharmacy and Health Sciences conduct research in areas of pharmaceutical and clinical sciences. The range of research covers basic scientific discovery, such as mechanism-based research on molecular and cellular pharmacology and toxicology, drug design/discovery, and novel targeting drug delivery; applied science research, such as drug product development and
pharmacoeconomics; clinical research, such as pharmacotherapy in cardiovascular, psychiatric and infectious diseases, rehabilitation, and language and aural disorders.

A multidisciplinary graduate program, the Pharmaceutical and Chemical Sciences Graduate Program was established in June 2000 to strengthen the research and graduate education in the Department of Chemistry and three departments in the School of Pharmacy (Pharmacy Practice, Physiology and Pharmacology, Pharmaceutics and Medicinal Chemistry). The research in the program focuses on five areas: Bioanalytical and Physical Chemistry; Chemical Synthesis, Drug Discovery and Design; Clinical Pharmacy and Transitional Studies; Molecular, Cellular Pharmacology and Toxicology; and Drug Targeting and Delivery. With the faculty's enduring efforts under the leadership of Dean Oppenheimer, the Thomas J Long School of Pharmacy and Health Sciences has been successfully funded by NIH, NSF, American Association of Colleges of Pharmacy, International Brain Research Organization, Arthritis Foundation, and pharmaceutical/biotech companies.

The School has attracted more than $7 million of external funding to support research and graduate education since 2000. Recently, Dr. William Chan, an exemplified balanced teacher and researcher, received an NIH R01 grant total of $1.1 million to support his research on Ah receptor, and was voted the teacher of the year by the pharmacy students at the same year. Faculty have authored books, published in leading journals in their respective fields, and presented their research findings at various national and international conferences. The school has collaborative research projects with the departments and schools within the University and research groups in other universities.

The research conducted in each department in the Thomas J Long School of Pharmacy and Health Sciences has its unique and distinctive characteristics.

Department of Pharmaceutics and Medicinal Chemistry:
The faculty’s areas of research interest and expertise include drug design, drug metabolism, controlled-release and targeted drug delivery/novel dosage forms, and pharmacokinetic and pharmacodynamic modeling. The faculty in the department receive grants from NIH, NSF, AACP, and pharmaceutical companies. Six of the faculty have active extramural grants in their areas of expertise.

Department of Physiology and Pharmacology:
The Department of Physiology and Pharmacology has a primary research focus on molecular and cellular pharmacology and toxicology. The Department has received significant extramural support through NIH, NSF and other agencies toward these research efforts. The activities of department faculty are diverse, including the effect of agents upon GABAergic systems and the application of stem cells for pharmacological characterization of drugs; cardiovascular research; studies of the role of calcium in intracellular signaling mechanisms; a novel system for studying cell motility under a wide variety of experimental conditions; developing both in vivo and in vitro systems for the study of breast cancer; adiological imaging analysis; and evaluating annelid embryos as toxicological tools for environmental impact as well as xenobiotic toxicity markers. Five of the faculty in the department have externally funded grants.

Department of Pharmacy Practice:
Faculty in the Department of Pharmacy Practice are actively involved in research in the areas of cardiovascular diseases, pharmacoeconomics and outcomes, drug metabolism and interactions, infectious diseases, child and adolescent psychopharmacology, HIV/AIDS, health care delivery to the elderly and developmentally disabled, oncology, transplant medicine, pharmacometrics, pharmacokinetics, and pharmacodynamics. Seven of the faculty have externally funded grants.

Department of Physical Therapy:
The faculty’s areas of research interest and expertise include pediatric rehabilitation, muscle performance, academic administration, pulmonary physiology and intervention efficacy, overuse syndromes, geriatric balance disorders, women’s health, tendinopathy, spine pain, educational outcomes, and cultural competence. One faculty member in the department has externally funding.

Department of Speech and Language Pathology:
Faculty’s research interests are focused on the areas of speech and language disorders, including language, learning/development, literacy development, cognitive rehabilitation, language disorders (including voice disorders, fluency disorders, and language learning disabilities) in children, adolescents, adults, and neurological disorders, aural rehabilitation, laryngectomy, and phonology. One faculty member in the department has externally funding.
External Funding Recognition
The following is a list all faculty and staff who submitted proposals, received awards, and/or had active sponsored awards (including co-PIs) for research and other projects during the period of July 1, 2006 through June 30, 2007.

Stephen Anderson
Cecilia Arnold
Anita Bautista
Becky Beal
Kenneth Beauchamp
Lynn Beck
Bob Benedetti
Jeanne Benvenuti
Gene Bigler
Daniel Birmingham
Jim Blankenship
John Borroro
Rob Brodnick
Ash Brown
Dianne Bruckner
Mark Brunell
John Carvana
William Chan
Elisa Chavez
Cris Clay
Daniel Cliburn
Lisa Cooper
Eve Cuny
Michael Doherty
Nejat Duzgunes
Michael Elium
Margee Ensign
Glenn Fait
Jesica Faridi
Andreas Franz
Richard Fredekind
Maria Garcia-Sheets
Paul Glassman
Elizabeth Griego
Berit Gunderson
Xin Guo
Rachel Hackett
Robert Halliwell
Robert Hanyak
Keith Hatschek
Uta Hellmann Blumberg
Marcia Hernandez
James Hetrick
Ryoko Hirakawa
Kiernan Holland
Cynthia Hsieh
Elena Irueta
Ravi Jain
Bhaskara Jasti
Patrick Jones
Gregg Jongeward
Keisuke Juge
Sand Kakuda
Lucinda Kasser
J. Clark Kelso
Rahim Khoie
Darrin Kitchen
Carolynn Kohn
Elfi Kraka
Eugene LaBarre
Kirkwood Land
Brian Landsberg
Chi Wook Lee
Xiaoling Li
Geoff Lin Cereghino
Joan Lin Cereghino
Gary Litton
Jie Lu
Lou Matz
Christine Miller
Pamela Moise-Broder
Matt Normand
Norena Norton Badway
Phil Oppenheimer
Robert Oprandy
Miki Park
Dennis Parker
Rajul Patel
Mark Plovnivk
Jerry Post
Jean Purnell
Laura Rademacher
Erin Rausch
Sarah Redfield
Jianhua Ren
Stacy Rilea
Elizabeth Rindskopf Parker
Lorena Rios
Wade Russu
Deborah Schenberger
Thomas Schiff
Nora Seronello
Barbara Shaw
Ann Marie Silvestri
Sean Snaith
Christopher Snell
David O. Sparkman
William Stringfellow
Shan Sutton
Dari Sylvester
David Thomas
Mark Van Ness
Craig Vierra
Kyle Watson
Linda Webster
Brian Weick
Holly White
Harvey Williams
Joseph Woelfel
Jane Wright-Hayes
Lisa Wrischnik