Dr. Cynthia Crawford, a psychology professor in Cal State San Bernardino’s College of Social and Behavioral Sciences, is the first faculty representative from a CSUSB to serve on a National Institutes of Health review panel for research grants. After serving for two years as an acting member, Crawford was invited to take a permanent position on the Behavioral Regulation, Learning and Ethology Study Section, Center for Scientific Review.

Crawford is well acquainted with the rigors of research funding, as she was a 1999 NIH grant recipient for her work on dopamine receptors and behavioral sensitization and her research and research development programs have been consistently supported by NIH since then.

Crawford has also been a leader at CSUSB in inspiring, mentoring, and supporting the research careers of faculty from a broad array of disciplines to obtain funding of biomedical-related research projects.

We interviewed professor Crawford to find out how she achieves her funding success and to get some insider tips from an official review panel member.

Crawford joked that she has been “amazingly lucky” in her quest for funding, but luck alone cannot account for all of her success. She learned early on that grant writing has unique demands and needs to be approached differently than writing for publication.

"...research on our campus is important not only for contributing to the body of knowledge in our fields but for inspiring and training the scientists of tomorrow."

Cynthia Crawford, Psychology and Human Development
Promote yourself and your ideas: Crawford advises that grant writing needs to be approached in the manner of writing a business proposal. It is necessary to persuade, promote, and convince review panels that you and your proposal are worthy of funding. Reviewers need to be convinced early on that your proposal has merit. Also, take into consideration that a project director’s qualifications are every bit as important as the ideas expressed in the proposal. Sell yourself as well as the proposal, Crawford advises, “This is not the time to be modest about what you think. You really have to say – this is important and why …”

Be Realistic: Crawford advises faculty to “build into funding.” Sometimes asking for too much funds can be a fatal mistake. She states, “Prove your record and be a good investment.” The professor explained by using the analogy of trying to obtain a new car loan. Can you expect to be able to purchase a Mercedes without the necessary down payment? No. Can you expect to receive hundreds of thousands of dollars in funding without a proven track record? No. Will having a co-signer help you? Absolutely.

Think of publishing as the down payment necessary for grant funding; it can prove to reviewers that you are worthy of the risk. If you have published but have no experience in any one area of your proposal, do not hesitate to bring in consultants. Just as a co-signer can help you obtain a car loan you do not qualify for on your own, bringing in scientific advisers or consultants can ensure reviewers that you have the experienced personnel to assist in administering portions of the project.

Follow the Rules: Grant writing is “not a place for individual preferences or doing what you did last time,” Crawford stated. Agencies tend to be fairly rigid in what they want and Crawford advises to “do whatever they ask!” If an agency request seems redundant, maybe there is a good reason for the repetition.

Tailor the proposal to the specific funding agency and address each unique request. Crawford advises researching past grant submittals that have achieved success to determine agency preferences and learn from others’ mistakes; most researchers welcome requests to review past proposals. Crawford points out, this is also a great way to make connections in the field and meet potential collaborators.

Common Mistakes to Avoid:

Do not pad or cover-up things in your proposal. Reviewers can tell what you are doing. You have a better chance of obtaining funding by being honest and explaining any deficiencies your proposal suffers.

Watch the page allocation to the different sections of your proposal. Many proposals have too many pages in some sections and not enough in others. Significance is increasing in importance to reviewers and design methods are decreasing in importance. In the next year or so, agency page requirements will reflect this shift in importance.

Crawford advises grant writers to never forget, “You are trying to convince somebody and the strength of your argument matters … selling, promoting ideas – showcasing you and your talents are all key components.”

From the Associate Provost for Research, Dr. Jeff Thompson

The Importance of Research

Welcome to the first issue of Scholarship in Action. Research, scholarship and creative activities (“research”) by faculty and students are an important facet of our academic mission at CSUSB. Participation in research by both faculty and students generates enhanced and often accelerated student learning, increased student retention and graduation, stronger student preparation for the workforce, increased faculty retention and job satisfaction, and maintenance of currency by faculty in their discipline. Because our campus focuses on undergraduate and master’s level students, our students have increased opportunities to be involved in research compared to the major research universities.
Awards: July - December 2008

SPOTLIGHT: AWARDS

SPOTLIGHT: “Integrated Technology Transfer Network (ITTN)” by Mike Stull works to address Congressional directives issued to the Department of Defense about becoming more entrepreneurial. New processes that are more in line with organizational directives are needed to accelerate the transformation of Army research to tangible outcomes for the Soldier. ITTN will facilitate environments focused on the exchange of ideas, methodologies, and knowledge between entrepreneurial and science disciplines and ARL personnel. The ITTN program will help emerging scientists learn how to move “from mind to market” by merging existing science expertise with innovative entrepreneurial approaches.

Congressional Programs
Clifford Young
“IPA 08/09”
$1,070,000
ARO

Mike Stull
“ITTN 08/09”
$1,389,600
ARO

Inland Empire Center for Entrepreneurship
Mike Stull & Michelle Skiljan
“Corona CDBG 08/09”
$50,000
City of Corona

Mike Stull & Michelle Skiljan
“Coachella Valley Women’s Business Center”
$118,285
U.S. Small Business

Mike Stull & Michelle Skiljan
“IEWBC Program Income & Match 08/09”
$149,657
Various Workshop Fees & Projects

Services to Students with Disabilities
Beth Jaworski
“WorkAbility 08/09”
$265,616
U.S. Department of Rehabilitation
S.A.I.L.

Deborah Flores
“SAIL Program 08/09”
$374,337
U.S. Department of Education

Institute for Applied Research
Barbara Sirotnik
“Annenberg Center 2008 Survey”
$9,000
Annenberg Center Health Science

Barbara Sirotnik, Shel Bockman & Erik Melchiorre
“Industry Analysis - San Bernardino County Mining Industry”
$27,665
County of San Bernardino

Accounting & Finance
Janet Courts
“VITA”
$33,460
IRS

Arts & Letters
Armalyin De La O & Kathy Ervin
“RIMS California Arts Project”
$65,000
UCOP

“Los Angeles Basin California Arts Project”
$50,000
UCOP

Kristine Alexander
“RPI The California Arts Project NCLBS”
$40,000
UCOP

“TCAP Program Income”
$6,000
SMCCD/RCSD

Educational Psychology & Counseling
Young Suk Hwang
“Quality Teachers for Quality Students (QTQS) Project”
$297,280
Department of Education

Dwight Sweeney
“UCDD 08/09”
$1,533,293
Inland Regional Center

Dwight Sweeney
“Individual and Family Training”
$3,878
Inland Regional Center

Margaret Cooney
“Rehab. Long-Term Training”
$119,997
U.S. Department of Education

Undergraduate Studies
Milton Clark
“GEAR UP 08/09”
$2,600,646
U.S. Department of Education

Graduate Studies/McNair Scholars Program
Roy Ramon
“The McNair Scholars Program”
$251,137
U.S. Department of Education

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SPOTLIGHT: “Recruitment, retention, and training in Restoration Ecology” by Kimberlyn Williams and John Skillman. This project seeks to improve recruitment, training, and retention of students from under-represented groups for careers in restoration ecology and vegetation management in San Bernardino, Calif., and its environs. The project would increase the capacity of CSUSB to provide such training, boost student success in attaining a bachelor’s degree there, and provide opportunities to students at CSUSB and two nearby Hispanic-serving community colleges to work with the U.S. Forest Service and UCR, encouraging them to enter careers and/or pursue higher degrees in fields related to restoration.

**Natural Sciences**

Robert Carlson, Lynne Leach, & Cheryl di Pretero
“RCH BSN Clinical Agreement”
$740,880
Riverside Community Hospital

Robert Carlson & Lynne Leech
“Clinical Affiliation Agreement - Desert Regional, JFK, & Eisenhower Medical Centers”
$309,852
Desert Regional, JFK & Eisenhower Medical Centers

Center for Enhancement of Math Education

Davida Fischman
“The CSUSB, Inland Counties Math Project”
$124,010
CMP Region & UCLA

Davida Fischman
“Inland Counties Math Project”
$65,000
UCOP

Davida Fischman
“Western Noyce Project Conference (sub-award)”
$13,206
NSF

**Physics**

Laura Woodney
“c/Hale-Bopp @ 27 AU 6/10 F4”
$11,245
Jet Propulsion Lab

**Kinesiology**

Bryan Haddock
“The Extramural Associates Research Development Award”
$105,840
NIH

**Geological Sciences**

Sally McGill
“Slip Rate Within the San Andreas Fault System in the San Bernardino Valley”
$22,000
SCEC

Sally McGill
“Revolving Crustal Deformation from Cajon Pass in Biskra Palms”
$15,000
SCEC

Erik Melchiorre
“Isotopic Identification of Ion Sources”
$65,000
ACS Petroleum Research Fund

Erik Melchiorre
“Planetary Habitability and the Origins of Life”
$27,500
NASA Astrobiology Institute

**Biology**

Anthony Metcalf
“Genetic Info for Vertebrate Species”
$10,000
USDA Forest Service

**Chemistry**

James Noblet
“Lake Elsinore Water Quality Monitoring”
$96,246
MWH Americas, Inc.

Jim Santleben
“Interdisciplinary Studies of Fuel Cell Technology”
$80,000
Leonard Transportation Center

Belisario Ventura
“AMP 08/09”
$55,308
University Enterprises, Inc.

John Sarli
“Math Diagnostic Testing Project (MDTP)”
$57,606
University of California

Kimberlyn Williams & John Skillman
“Recruitment, Retention, and Training in Restoration Ecology”
$250,000
USDA
SPOTLIGHT: “Worker factors in the overrepresentation of African Americans in the child welfare system” by Laurie Smith and Teresa Morris. The proposed research was modeled after a pilot study in which child welfare intake workers assigned a higher risk of neglect and abuse to African American families in hypothetical vignettes where only family ethnicity varied. The study will use a randomized post-test only control group design with a multi-county sample of workers and test variables such as worker ethnicity, education, and training as predictors of race/ethnicity bias in assessment. Findings will be used to develop curriculum to address the effect of worker factors in the overrepresentation of African Americans in the child welfare system.

Did you know...?

Calculating Costs

**Direct Cost:** Direct costs are those costs that can be identified specifically with a particular sponsored project, relatively easily with a high degree of accuracy.

**Indirect Cost:** Indirect costs are those that are incurred for common or joint objectives, and therefore cannot be identified readily and specifically with a particular sponsored project. There are three methods of computing indirect cost:

1) **Total Direct Cost** (TDC) is computed on all costs associated with the project.

2) **Salary & Wages** (SW) is computed on only the salaries and wages expended through the grant. This method is used by the federal government to establish the rate for institutions with less than $10 million of sponsored research per year.

3) **Modified Total Direct Cost** (MTDC)* is calculated by subtracting a specific line item(s) from the total expenditures. Normally these items are equipment and/or student support (tuitions or stipends.)

*CSUSB calculates indirect costs as MTDC x the federally negotiated rate, which is posted online at http://orsp.csusb.edu

Center for Criminal Justice
Christine Famega
“Criminal Justice Survey - Broken Window Policing Experiment”
$24,653
University of Maryland

Criminal Justice
Larry Gaines
“CSUSB Leadership Training Program for Urban At-Risk Youth”
$478,490
U.S. Department of Education

Community University Partnerships
Diane Podolske, Pam Langford, & Carol Dixon
“TITLE V - BE SMART: Community Networking for Long-Term Success”
$469,822
U.S. Department of Education

Psychology
Amanda Wilcox-Herzog
“CCAMPIS Program”
$177,297
U.S. Department of Education

Institute for Child Development
Laura Kamptner
“CUIDAR First 5 Early Prevention Project 08/09”
$440,000
S.B. County First 5 Commission

Political Science
Mark Clark
“IC Center for Academic Excellence”
$750,000
Department of Defense

Ralph Salmi
“NCLB4 IECIS”
$29,573
UCOP

University Police
Jimmie Brown & Lee Fields
“Homeland Security Grant”
$35,000
CSU Chancellors Office

Language, Literacy & Culture
Sue Spitzer
“Pathway to Professionalism Intern 08/09”
$350,000
RCOE

Psychology
Amanda Wilcox-Herzog
“CCAMPIS Program”
$177,297
U.S. Department of Education

Institute for Child Development
Laura Kamptner
“CUIDAR First 5 Early Prevention Project 08/09”
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$35,000
CSU Chancellors Office

Language, Literacy & Culture
Sue Spitzer
“Pathway to Professionalism Intern 08/09”
$350,000
RCOE

Social Work
Laurie Smith & Teresa Morris
“Worker Factors in the Overrepresentation of African Americans in the Child Welfare System”
$55,861
San Bernardino & Orange Counties

Social Work
Teresa Morris
“08/09 Mental Health Stipends”
$395,938
UC Berkeley

Teresa Morris
“Title IV-E BASW (Bachelors in Social Work) Program”
$533,391
CalSWEC

Teresa Morris
“Title IV-E MSW (Masters in Social Work)”
$2,963,997
CalSWEC
Presentations, Publications, Exhibitions & Performances

Glen Hirshberg

**Publication**
2008
“The Two Sams”
story in:
Straub, Peter (ed.), Poe’s Children, Doubleday.

Publication
2008
“Like Lick ‘em Sticks, Like Tina Fey”
story in:
Atkins, Peter and Hirshberg, Glen (eds.), Welcome to the Ether: The 2008 Rolling Darkness Revue Chapbook, Earthling.

**Publication**
2008
“Miss Ill-Kept Runt”
story in:

**Publication**
2008
“Esmeralda”
story in:
Roden, Barbara and Roden, Christopher (eds.), Shades of Darkness, Ash-Tree Press.

**Publication**
2008
“The Janus Tree”
novelette in:

Joe Sutliff Sanders

**Presentation**
November 2008
“Girls’ Novels and the End of Mothering.”
at Pacific Ancient and Modern Languages

**Publication**
November 2008
“Comics Studies 101”

Nadejda Dyakevich

**Publication**
October 2008
“Long term behavior of solutions for Riccati initial-value problems”

Jeffrey Boeckman

**Publication**
2008
“Wagging the Dog: Six Modest Proposals.”

**Publication**
2008
“A Counterpoint of Characters: the Music of Michael Colgrass.”
Saarbrücken: VDM Verlag.

Glen Hirshberg

**Awards**
2008 Shirley Jackson Award for Best Novelette for “The Janus Tree”
2008 International Horror Guild Award finalist for Best Medium-Length Fiction for “The Janus Tree”

**Performances/Readings**
2008
“The Rolling Darkness Revue”
at Skylight Books, Los Feliz, California, Union Bay Theater, Cal State San Bernardino, San Bernardino, Calif., and Velma Teague Library, Glendale, Ariz.

(D. Hirshberg, K. Moffett, & P. Atkins)

Rolland Trapp

**Presentation**
October 2008
“Bridge Probability Energy of Knots”
at the 1041st American Mathematical Society meeting at the University of British Columbia.
(R. Trapp & N. Navaroli)

Davida Fischman

**Presentation**
November 2008
“Supporting Teachers to Increase Retention”
at the California Mathematics Council – Southern Section Annual Meeting
(D. Fischman, C. Cronk, T. Evans, S. Hakansson, & J. Jesunathadas)
Presentations, Publications, Exhibitions & Performances

Brian Janiskee
Publication
2008
(B. Janiskee & K. Masugi)
Publication
2008
“Prosecutorial Discretion in Death Penalty Cases”
Publication(s)
2008
“County Government” (pp. 908-911) & “Special Districts” (pp. 959-961)

Donovan Chau
Publication
2008
Association for the Study of the Middle East and Africa; available from www.asmeascholars.org.

Presentation
July 2008

Presentation
September 2008
“U.S. Counterterrorism in Sub-Saharan Africa: Understanding Costs, Cultures, and Conflicts”
Carlisle Barracks, Pa.: Strategic Studies Institute, U.S. Army War College.

Donovan Chau
Presentation
November 2008
“U.S. Foreign Policy Establishment”
at Teaching American History: Trends in Foreign Policy Agenda at Norman Feldheim Central Library, San Bernardino, Calif.

James Fenelon
Publication
August 2008
“Revitalization and Indigenous Resistance to Globalization and Neoliberalism”
(J. Fenelon & T.D. Hall)
Publication
August 2008
“Indigenous Peoples: Globalization, Resistance & Revitalization”
(J. Fenelon, Guest Editor)
Presentation
October 2008
“Cultural Sovereignty: Indian Nations and Gaming, Dual Indigenous Sovereignty”
at the California Indian Conference (CIC), University of California Riverside, Palm Desert Campus.

Presentation
September 2008
“Indigenous Movements of Resistance and Revitalization in the Americas”
Departamento de Sociología y Antropología, Universidad de Concepción. Concepción, Chile.

Janet Chang
Publication
2008
“Patterns of alcohol use and attitudes toward drinking among among Chinese and Korean college students”
Journal of Ethnicity in Substance Abuse, 7(3), 341-356.
(J. Chang, E. Shrake, & S. Rhee)

Presentation
October 2008
“Perceptions of mental health problems and help seeking behaviors among Korean Immigrants”
(J. Chang & S. Rhee)
Presentations, Publications, Exhibitions & Performances

Peter Robertshaw
Presentation
September 2008
“Two tones of excavated potsherds”: reflections on state formation in western Uganda”
at Society of Africanist Archaeologists biennial conference, Frankfurt.

Publication
2008
“Different views of a site”

Publication
2008
“African Slavery: Archaeology and Decentralized Societies”

(P. Robertshaw & W.L. Duncan)

Frances Berdan
Presentation
Sept 2008
“Trade, Tribute and Market in the Aztec Imperial World.” Presented in the symposium, “Politics and Power in the Late Aztec Period”
at Pre-Columbian Society of Washington, D.C.

Kathleen Nadeau
Presentation
July 2008
“Globalization, Colonization, Prostitution: Strange Carnage in the Philippines”
at International Conference on Philippine Studies in Philippine Social Science Center, Quezon City: Philippines.

Publication
2008
“Impact of Colonization on Asia and the Pacific: Revisiting the Prostitution Question”

Zeng-yin Chen
Presentation
August 2008
“Comparing adolescents with and without siblings: A Chinese Study”
at the American Sociological Association’s Annual Meeting, Boston.

Publication
December 2008
“Mediating Mechanisms for the Intergenerational Transmission of Constructive Parenting: A Prospective Longitudinal Study”

(Z. Chen, R.X. Liu, & H.B. Kaplan)

Julian Montoro-Rodriguez
Presentation
September 2008
“Parenting grandparents in South Africa, Spain and the USA - diversities and commonalities”

(J. Montoro-Rodriguez & S. Pinazo)

Dale Lund
Presentation
November 2008
“Participants’ experiences in a dual process model (DPM) intervention for bereaved spouses/partners”
at the annual meeting of the Gerontological Society of America, Washington D.C.

(D. Lund, M. Caserta, R. Urz, & B. deVries)

Publication
2008
“Humor, laughter and happiness in the daily lives of recently bereaved spouses”
Omega: Journal of Death & Dying, 58 (2), 87-105.

(J. Montoro-Rodriguez & G. Smith)

Elsa Valdez
Presentation
August 2008
“Contemporary Nativism on the Internet: Latino Immigrants as a ‘Social Problem’”
at the meetings of the National Social Science Association, Juneau, Alaska.
Thinking Outside the Box

Dr. Michael Stull, a professor of management at CSUSB, is the director of the department’s BA/MA entrepreneurship program and the Inland Empire Center for Entrepreneurship. With collaboration from more than 30 public and private sector partners and a combination of students, faculty and program staff, IECE delivers consulting, training, mentoring and project-based services that have resulted in services being delivered to nearly 10,000 individuals and business owners.

Stull’s personal drive and efforts at the IECE have helped develop 12 major business programs, obtain more than $8 million in grants and sponsorships, and gain national recognition as one of the top 100 U.S. colleges and universities for entrepreneurs among graduate entrepreneurship programs.

Most recently, IECE and CSUSB have worked in collaboration with the U.S. Army Research Laboratory to develop the Integrated Technology Transfer Network program, an intensive education program in entrepreneurship for science graduates of historically black colleges and universities. The ITTN is designed to train minority scientists to become the entrepreneurial leaders and technology innovators of the future (see page 3 for abstract.)
More Training Workshops Coming...
Keep your eyes on the ORSP Web site and newsletters for information about upcoming training workshops to help you gain useful insights about writing proposals, locating funding sources, and submitting electronically. Below are some tips from the Russell & Morrison Grant Writers Seminar, August 2008.

FUNDING AGENCY
Helpful Hints

- **Research what gets funded**: find the angle that the agency leans toward funding and go that way! Check grant databases to review existing grants that have already been successful in obtaining funding.

- **E-mail the funding agency program director** and state that you want to “maximize programmatic relevance.” Some are willing to provide feedback prior to your submittal. Some funding agencies (e.g. NEH) even encourage this contact to aid in your success.

- **Read funding agencies, mission statements** carefully. Include those missions to make your proposal more persuasive. Show how your proposal aids the agency in achieving its overall goals.

- Tell reviewers why your proposal is important to the future of your field. Remember, reviewers cannot be experts in every field of study. Without talking down to them, **point to key benefits and how your work could have an amplified impact in your field.**

- **Paraphrase. Do not repeat.** Clever repetition works to convey your point, but double talk can be off-putting.