



July 16, 2003

## **FACULTY RESEARCH COMMITTEE ANNUAL REPORT: FY 2002-2003**

TO: Office of the President  
Office of the Provost  
Office of the Vice Provost for Research  
All Academic Deans  
Faculty Senate

FROM: Cynthia Price, Ph.D., Faculty Research Committee Executive Secretary  
Associate Vice Provost for Research Administration and Director, SPAR

### **1. 2002-03 Committee Members:**

Ronald Scherer, Chair - term completed  
Geoffrey Howes (FS appointment) – on academic year leave  
Katerina Ray (Geoffrey Howes replacement) - term completed  
Sheila Roberts (FS appointment) – term completed  
Felix Castellano (Sheila Roberts replacement for Spring Semester) – term completed  
Wendy Manning (FS appointment) – on academic year leave  
Laura Sanchez (Wendy Manning replacement) – term completed  
Deborah Tell (FS appointment) – continuing member  
Linda Brown (FS appointment) – continuing member  
Sudershan Jetley (FS appointment) – continuing member  
M. Neil Browne (FS appointment) – continuing member  
David Harnish (FS appointment) – continuing member  
Tatiana Panas (FS appointment) – term completed  
Linda Petrosino (appointed Dean, College of Health & Human Services) – term completed  
Jeff Searl (Linda Petrosino replacement) – term completed  
Jennifer Van Hook (Committee on Committees appointee) – term completed

#### **Ex-Officio Members:**

Heinz Bulmahn (Graduate College)  
Cynthia Price (Sponsored Programs and Research Office)

Kris Curlis, Administrative Assistant of the Sponsored Programs and Research Office assisted the FRC by providing administrative support for all activities including managing the FRC award processes.

Tom Kornacki provided support for FRC programs including guideline revisions and oversight of award mechanisms.

### **2. 2003-2004 New Committee Members elected by the Faculty Senate:**

Jim Evans (A&S Sciences)  
Ron Olsen (Firelands)  
Gary Silverman (Health & Human Services)  
Pavel Anzenbacher (VPAA appointee)

**3. Program Activities:**

**a. Research Incentive Grants (RIG)**

22 Submissions	Total Requested	\$162,878
16 Awards	Total Amt. Awarded	\$118,222

The FRC conducted one round of competition during this year implementing revised guidelines that extended funding opportunities to more senior faculty changing research direction. The new RIG guidelines were designed to reward and encourage continuing efforts of faculty members who have submitted or were planning to submit proposals to external agencies during AY2002-2003. The RIG proposal is meant to give the faculty member an opportunity to carve out a piece of the research that can be completed before the external grant is obtained. Awardees find themselves in good positions to re-submit any unsuccessful proposals for the next round. RIG applications that documented a meaningful role for undergraduate researchers were considered for an additional \$1,500. Distribution is as follows: Arts and Sciences 13; HHS 1; EDHD 1; Technology 1.

**b. Scholars Assistance Program**

29 Submissions	Total Requested	\$54,734
24 Awarded	Total Amount Awarded	\$33,729

The Scholars Assistance Program is designed to address limited needs of faculty involved in enhancing their research agendas. The program offers support for Bridge Funding, Research Travel, Research in Difficult-To-Fund Areas, and Unanticipated Expenses. Four proposals were received for Bridge Funding, six for Research Travel, two for Research in Difficult-To-Fund Areas, one for equipment repair, one to purchase equipment, and seven for unanticipated expenses. Distribution is as follows: Arts and Sciences 16; HHS 1; Music 4; EDHD 3.

**c. Faculty Mentoring Program**

3 Submissions	Total Requested	\$12,000
1 Awarded	Total Amount Awarded	\$ 4,000

The Faculty Mentoring and Enrichment Program was developed to provide an opportunity for probationary faculty members to work with successful, more senior faculty to revise and further develop their proposals for submission to an external funding source. The program was expanded in 2003 to include faculty at all levels who could benefit from the mentoring process. Distribution is as follows: Arts and Sciences 1.

**Total FRC Funds expended:                    \$155,951.**

**RESEARCH INCENTIVE GRANT (RIG) FUNDING AY2002-2003**

Faculty	Short Title	Amount
Pavel Anzenbacher - CHEM	High Quantum Efficiency Coordination Polymers and Networks for OLED Application	\$ 8,000
Alan Atalah - TSYS	The Ground Movement Associated with Pipe Bursting in Rock Conditions and its Impact on Nearby Utilities and Structures	\$ 8,000
Vern Bingman - PSYC	The Avian Circadian System: Electrophysiological Recording and Interaction with Learning and Memory	\$ 8,000
John Chen - MATH	Probability Inequalities for Statistical Inference	\$ 6,500
Priscilla Coleman - FCS	The Choice to Abort vs. Deliver During Adolescence: Personal and Social Predictors and Consequences	\$ 5,976
Casey Cromwell - PSYC	Effects of Early Amygdala Damage on Social Reward and Neural Inhibition	\$ 8,000
Robert Huber - BIOL	Ethopharmacological Characterization of Reward Systems in Crayfish	\$ 8,000
Catherine Kaukinen - SOC	Visualizing Access and Quality of HIV Service Providers	\$ 6,500
Raymond Larsen - BIOL	Development of Tools and Techniques for Dissection of an Energy Transduction System	\$ 8,000
Annette Mahoney - PSYC	Longitudinal Effects of the Sanctification of Pregnancy, Birth and New Parenthood on Infant Well-Being, Parental Adjustment and Family Formation	\$ 6,500
Paul Morris - BIOL	Functional Analysis of a Pleiotropic Drug Resistance Transporter of <i>Phytophthora sojae</i>	\$ 6,500
Mike Ogawa - CHEM	Metalloprotein Design: A New Approach Towards Nanostructured Materials	\$ 8,000
Saleh Rahman - PAH	Breast Cancer and Mammography Utilization: Assessment of Perceived Susceptibility, Severity, Benefits, Barriers and Knowledge Among Women Age 40 and Older in Wood County Area	\$ 8,000
Tong Sun - MATH	Long-Time Error Estimation for Nonlinear Parabolic Equations	\$ 6,500
Maira van Staaden - BIOL	Signatures of Sexual Selection in Speciation	\$ 8,000
Daniel Wiegmann - BIOL	Influence of Insecticides on Pollinator Behavior	\$ 7,746
<b>TOTAL EXPENDITURES</b>		<b>\$ 118,222</b>

**SCHOLARS ASSISTANCE PROGRAM (SAP) FUNDING AY2002-2003**

	<b>Project Description</b>	<b>Funded Projects</b>
<b>Bridge Funding</b>		
Kevin Pang - PSYC	post-doc support for 3 months	\$ 6,000
M. Sue Houston - FCS	link between diet and cancer risk	\$ 6,000
<b>Travel for Research</b>		
Tim Brackenbury - CDIS	Boston - to discuss NIH R03	\$ 500
Velvet Brown - MUSP	Russian Tuba Conference	\$ 1,000
Catherine Kaukinen - SOC	invited talk St. Michael's Hospital, Canada	\$ 800
Kurt Panter - GEOL	Denver - NSF grant collaboration	\$ 367
David Stodden - KNS	American Sports Medicine Institute	\$ 1,000
I-Fen Lin - SOC	two summer workshops for faculty training	\$ 250
Bonnie Mitchell - ART	International Computer Music Conference in Singapore	\$ 1,000
Sue Carter - ENG	travel to University of Pittsburgh library - research	\$ 1,000
Dena Eber - ART	collaborate w/colleagues at international summit	\$ 500
Michael Coomes - CSP	travel to archives in Boston and Chicago	\$ 500
Carol Hess - MUCH	travel to Saarbrucken and Madrid	\$ 500
Bradford Clark - THEA	travel to Delhi, India - puppet theater	\$ 500
Gabor Szekely - MATH	travel to Univ of South Carolina - international conference	\$ 250
<b>Research in Difficult to Fund Areas</b>		
Myra Merritt - MUSP	Amalfi Coast Music Festival/Institute	\$ 2,862
Elainie Lillios - MUCH	International Computer Music Conference in Singapore	\$ 3,000
<b>Small Grants for Unanticipated Expenses</b>		
William Scovell - CHEM	high pressure liquid chromatopgrah (HPLC)	\$ 1,500
Vladimir Popik - CHEM	Varian Cary 300 Bio UV-Vis spectrometer	\$ 2,000
Michael Martin - ETHN	workshops in Burkina Faso	\$ 500
Wendall Mayo - ENG	travel to Vilnius, Lithuania	\$ 500
Mike Ogawa - CHEM	purchase replacement HPLC pump	\$ 2,650
Jude Edminister - ENG	research at Humbolt University in Berlin	\$ 250
Ewart Skinner - TCOM	GA assist w/bibliographic work NAIDA conference	\$ 300
<b>TOTAL EXPENDITURES (ALL CATEGORIES)</b>		<b>\$ 33,729</b>

**FACULTY MENTORING AND ENRICHMENT PROGRAM FUNDING AY2002-2003**

<b>Faculty</b>	<b>Short Title</b>	<b>Amount</b>
Stephen Demuth - Sociology	Understanding the Causes of Hispanic Delinquency: An Examination of Adolescent Social Life	\$ 3,000
Peggy Giordano - Sociology	Stephen Demuth's Faculty Mentor	\$ 1,000
<b>TOTAL EXPENDITURES</b>		<b>\$ 4,000</b>