

University Research Committee Annual Report 2006-2007

- Membership 2006-2007

CHAIR	David Pacini	Theology	2007
-------	--------------	----------	------

Biological & Health Sciences

Lou Ann Brown	Pediatrics	2007
Arlene Chapman	Renal	2009
Mike Crutcher	Yerkes	2007
Christopher Doering	Medicine	2008
Tim Duong	Yerkes	2008
Theresa Gauthier	Pediatrics	2007
David Guidot*	Pulmonary	2007
Jill Hamilton	School of Nursing	2009
Ed MocarSKI	Microbiology/Immunology	2009
Mark Mulligan	Hope Clinic	2009
Shoichiro Ono	Pathology	2007
Alex Lu	School of Public Health	2009
Machelle Pardue	Ophthalmology	2008
Donald Rainnie	Psychiatry	2008
Melanie Sherman	Pathology	2006
Stuart Zola	Yerkes	2008

Humanities

Dalia Judovitz	French and Italian	2009
Walter Reed*	ILA/English	2009
Mark Risjord	Philosophy	2009
Jill Robbins	Comparative Literature	2009
Brent Strawn	Theology	2009

Social Sciences

Doug Bowman*	Goizueta Business School	2007
Dennis Condron	Sociology	2009
Stephan Hamann	Psychology	2007
John Kingston	Anthropology	2009
Zheng Liu	Economics	2009

Math & Natural Sciences

Laura Finzi*	Physics	2009
Tim Lian	Chemistry	2009
James Nagy	Math/Computer Science	2009
Cora MacBeth	Chemistry	2009
Ivan Rasnik	Physics	2009
Shanshuang Yang	Math/Computer Science	2009

Visual and Performing Arts

Matthew Bernstein	Film Studies	2007
Gayle Doherty	Oxford/Dance&PE	2007
Yayoi Everett	Music	2009

Diane Kempler
Lori Teague*
Lynna Williams

Visual Arts
Dance
English/Creative Writing

2009
2009

- Fall 2006 Awards

**University Research Committee
Fall 2006 Awards**

- Agichtein, Eugene** **EC - Math**
Adaptive Extraction of Medical Information from Text Data
- Ayres, Lewis** **Theology**
The Giver of Life: The Rise of the Spirit and the Shaping of Christian Cultures
350-400 CE
- Bahri, Deepika** **EC - English**
Race & Hybridity in Postcolonial Literature & Film
- Berland, Keith** **EC - Physics**
Investigating Amyloid Fiber Nucleation Using Fluorescence Lifetime Microscopy
- Blakey, Simon** **EC - Chemistry**
New Catalysts for Asymmetric C-H Bond Amination
- Bullock, Julia** **EC - Sov./E. European**
Women on Women: Negotiating Femininity in Postwar Japan, 1960-1980
- Chen, Guangping** **Med. - Nephrology**
MDM2 mediated degradation of the UT-A1 urea transporter
- Choi, Inyeong** **Med. - Physiology**
Study of the interaction between pH-regulation NBCn1 and pH-sensitive NMDA
receptors
- Duong, Timothy** **Med. - Neurology**
Imaging Technologies to Characterize Salvageable Tissues in a Monkey Stroke
- Ensslin, Michael** **Med. - Cell Biology**
Functional Studies of SED1 in Immortalized and Primary Mammary Epithelial
Cells

- Feldman, Herman** **EC - Spanish & Portuguese**
Sketching the Nation: Comics and the Infamous Decade in Argentina (1930-1943)
- Francis, Andrew** **EC - Economics**
Evaluation Affirmative Action in Brazil
- Frank, Thomas** **Theology**
American Historic Religious Buildings: A Cultural Heritage in Peril
- Hennink, Monique** **PH - International Health**
Pathways to Improve Health Conditions through Microfinance Schemes CO PI D.
Mcfarland
- Lee, Amy** **Med. - Pharmacology**
Regulation of Calcium Channels in the Heart
- Lin, Edward** **Med. - Surgery**
Visceral Adiposity and Lipoprotein Oxidative Stress
- Logberg, Lennart** **Med. - Pathology**
Lipocalins: Tools for Probing Mechanisms of Allergy
- Marcus, Adam** **Med. - Winship**
Investigating the tumor suppressor LKB1 in lung cancer invasion
- Neujahr, David** **Med. - General Medicine**
A Pilot Study of Bronchoalveolar Lavage Regulatory T-Cells in Lung Transplant
Recipients
- Pastan, Elizabeth** **EC - Art History**
"The Bayeux Tapestry: An Early Twelfth-Century Anglo-Norman Pictorial
- Pelaez, Andres** **Med. - Pulmonary**
The Effect of Donor Alcohol Use on Incidence of PGF after Lung Transplantation
- Radell, Sally** **EC - Physical Ed.**
People like Us: A choreographic Reflection on Rituals, Popular Culture, and
Everyday Living

- Rasnik, Ivan** **EC - Physics**
Molecular Mechanisms of HCV helicase: effects of membrane anchoring on protein dynamics
- Sanyal, Subhabrata** **Med. - Cell Biology**
p38 Kinase regulation of learning and neural plasticity in Drosophila
- Sharma, Dipali** **School of Medicine**
Adiponectin: Novel negative regulator of mammary tumorigenesis
- Small, Chanley** **PH - Epidemiology**
Polymorphisms in the Inhibin Beta Subunit and Reproductive Function
- Sood, Ashish** **Bus. School - Marketing**
Technological Evolution in the Pharmaceutical Market
- Spitulnik, Debra** **EC - Anthropology**
Media, Citizenship, and Political Engagement in the Lives of Young American
- Strawn, Brent** **Theology**
Reasonable Doubt? Rethinking Intention in Ancient Near Eastern and Israelite Law and Literature
- Sutliff, Roy** **Med. - Pulmonary**
Mechanisms of HIV-1 mediated Pulmonary Hypertension
- Thourani, Vinod** **Med. - Surgery**
Novel Radio Frequency Pressure Transducer for Evaluating Mitral Valve Repair
- Visootsak, Jeannie** **Med. - Genetics**
Neurodevelopmental Outcome in Children with Down Syndrome and Congenital Heart Defects
- White, Stephen** **EC - History**
The Bayeux Tapestry: An Early Twelfth-Century Anglo-Norman Pictorial Narrative
- Xiong, Li** **EC - Math**
HIDE: An Integrated and Adaptive Health Information DE-identification Framework

- Spring 2007 Awards

**University Research Committee
Spring 2007 Awards**

- Armstrong, Linda** **EC - Art History**
Collecting
- Bloom, Heather** **Med. - Cardiology**
The impact of age and comorbidity on mortality benefit from internal
cardioverter-defibrillators
- Buras, Kristen** **EC - Edu. Studies**
Can a City School the Nation? Reconstruction, Race, and Resistance in
Post-Katrina New Orleans
- Carew, John** **PH - Biostatistics**
Neuroimaging Biomarkers in ALS: A Longitudinal Study of Diffusion Tensor
- Felman, Shoshana** **EC - French / Italian**
Literature on Trial, Trial as Literature: Oscar Wilde Revisited
- Flynn, Thomas** **EC - Philosophy**
Sartre Resartus: An Intellectual Biography of Jean-Paul Sartre
- Jones, Dean** **Med. - Pulmonary**
Methionine oxidation in oxidative stress
- Lucchesi, John** **EC - Biology**
Chromatin modificatiosn and DNA replication
- Makkreel, Rudolf** **EC - Philosophy**
Hermeneutics and History

- Melton, James** **EC - History**
From the Alps to the Lowcountry: Transatlantic Lives of Thomas Geschwandel,
1693-1761
- Moreno, Carlos** **Med. - Pathology**
The Role of Rap 1 signaling in Prostate Cancer Metastasis
- Oliker, Vladimir** **EC - Math**
A variational approach to problems of optical design of freeform surfaces with
prescribed irradiance
- Owens, Michael Leo** **EC - Political Science**
Ex-Prisoners as Citizens and Neighbors: Public Attitudes towards Ex-Prisoner
Reentry in Atlanta
- Peng, Limin** **PH - Biostatistics**
Flexible regression methods for censored survival data
- Reiter, Dan** **EC - Political Science**
Determinants of Peace Duration Following Interstate Wars
- Roback, John** **Med. - Winship**
Vaccination-enhanced donor lymphocyte infusion (veDLI) after BMT
- Salazar, Laura** **PH - Beh. Sci. & Hlth. Ed**
A Qualitative and Quantitative Assessment of Gender Based Violence and HIV
- Shen, Qiang** **Yerkes - Neuroscience**
Novel Speckle and Optical Imaging Technologies for Early Detection of
Diabetic Retinopathy
- Song, Byeongwoon** **Med. - Pediatrics**
Mechanisms of the Antiviral Activity of TRIM5alpha
- Tangpricha, Vin** **Med. - Endocrinology, Meta. & Lipids**
Optimizing Bone Health and Vitamin D Status in Cystic Fibrosis Patients
- Venkataraman,** **Bus. School - Marketing**
Exhibitor Level Model of Movie Demand

- Waldman, Irwin** **EC - Psychology**
Gene-based associations of candidate genes with ADHD-relevant phenotypes
- Walker, Lary** **Yerkes - Neuroscience**
Exogenous induction of Alzheimer Ab-pathology in transgenic mice
- Wang, Xiaonan** **Med. - Nephrology**
Insulin Resistance and Muscle Wasting
- Weeks, Eric** **EC - Physics**
Characterizing surface viscosities at "difficult" interfaces
- Weiser, Friedrich** **Med. - OBGYN**
Effects of sulindac, curcumin and an herbal mixture in an vitro and animal model of endometriosis
- Weiss, Bernard** **Med. - Pathology**
Development of a new bacterial host for protein production

- Strategic Planning Meeting

University Research Committee Strategic Planning Meeting

The University Research Committee (URC) met on May 10, 2006 with the newly formed Strategic Planning Subcommittee to review the university-wide themes and initiatives put forth in the Emory University Strategic Plan, 2005-2015, “Where Courageous Inquiry Leads”.

The discussion focused upon ways to align the URC’s mission in ways that would be supportive of the aims of the University-wide five year strategic plan. The URC Strategic Planning Subcommittee uniformly endorsed the importance of a faculty-based and faculty-governed research, development and enrichment program as a prominent feature that distinguishes Emory from many other universities. To this end, the Committee voted unanimously to amend our Guidelines with the following emphasis: “The URC encourages proposals that advance the themes of the University Strategic Plan Initiatives”.

Specifically, the Committee targeted the following emphases for University-wide Programs facilitating faculty development and enrichment to include its own purview:

- Interdisciplinary funding (individual grants working in interdisciplinary research, or joint research conducted collaboratively by scholars in different fields)
- Bridge funding=faculty development: establishment of funds to “bridge” from “seed” funding to extramural funding.
- Awards for Excellence in Research (Annual awards in sciences and humanities for distinguished achievement in research and publication)
- Mid-career development grants (reinvesting in faculty): Funds to facilitate research and publication projects in support of promotion from associate to full-professor levels.
- Two separate pools of funds for non-tenure and tenured professors (Increase maximum amount from \$30,000 to \$50,000 to underwrite full-year sabbaticals)
- Release time increases from \$20,000 to \$40,000
- Equipment fund pool
- Expedited emergency funds or small grants under \$1,000
- Annual grant writing workshop
- Mentoring program for grant submissions to outside agencies

Approximately **\$3,000,000 (?)** would accomplish these goals:

In order to accommodate increases in the grants **by comparison** of this year’s 2005-2006 research budget; (not including administrative costs)

2005-2006 budget of \$1,582,324 approximately 52 grants at \$30,000

2006-2007 budget of \$2,600,000 approximately 52 grants at \$50,000

In addition:

5 interdisciplinary grants at \$50,000 each

Annual grant writing workshop \$8,000

5 Excellence in Research Awards at \$5,000 each

Administrative support, meeting accommodations, overhead, IT development \$100,000

The Strategic Planning Subcommittee of the URC voted unanimously to direct URC Chair David Pacini to pursue a full financial plan with Vice Provost Claire Sterk, and to advance the implementation of this proposal through appropriate administrative channels, with the aim of implementation by Fall of 2006.

- Pilot and Collaborative Translational and Clinical Studies Program

Planned URC-CTSA co-funding mechanisms:

- URC (and the CTSA) includes a Program Announcement (PA) on its web site and with a call for applications that specifically request proposals for 2-year clinical research studies that will be co-funded by the URC and the CTSA.
 - The proposal would go through the URC Biological Sciences Subcommittee review panel.
 - If it receives a meritorious (fundable) score it will be considered for funding by the URC Executive Committee (the same for all proposals).
 - If it is awarded URC funding for the first year, it will be referred to the CTSA for its second year of funding; this second year could be contingent on a successful progress report of the first year's activity.
- The second and truly novel mechanism is for the URC and CTSA to establish a separate pool of 2-year clinical research projects, perhaps targeted at junior to mid-level clinical investigators with an established record of training and research activity but who are not yet competitive for independent NIH funding. For example, K-12 and K-23 awardees would be appropriate candidates.
 - The URC/CTSA alliance issues a Request for Applications (RFA) for such proposals, and establishes general and/or specific criteria such as
 - Junior investigators with clinical research training and experience, but still as the level of Assistant Professor or Instructor
 - Interdisciplinary nature
 - Community involvement
 - Etc.
 - A review panel is convened with members determined by the URC and the CTSA to evaluate the proposals.
 - Only meritorious proposals would be funded, so the entire set aside for the RFA may not be spent each cycle.
 - Conversely, if the RFA has a pool of funds that can fund 4 proposals, but 5 are deemed meritorious, the URC and the CTSA could be flexible; specifically, they could decide to fund only 4, or to decrease the award amount per proposal, or to decrease the length of funding (20 months instead of 24), or to draw funds from CTSA and/or URC reserves to fund all 5.