

# researchnews

Office of the Vice President for Research and Public Service University of Virginia

September 2000 Volume 2 Number 4

## Update from the Patent Foundation

The National Science Board just released its report Science and Engineering Indicators to coincide with the fiftieth anniversary of the National Science Foundation. Within its general focus on federal funding of academic research, the report summarizes the changing role of patents at academic institutions. More academic institutions are receiving patents (up from about 75 institutions in the early 80s to nearly 175 by 1997). Over the past three decades, the rate of increase in academic patents has surpassed that for all patents in general. Close to five percent of patents originating in the U.S. today are from academic institutions. Much of this growth comes from the fields of life sciences and biotechnology. Patents increasingly cite academic articles, especially in the fields of physics, earth and space sciences, and engineering. The full text of the report can be found at:

<http://www.nsf.gov/sbe/srs/seind00>

## Thomas Jefferson Award Nominations

Now is the time to nominate an outstanding member of the University community for the highest annual award. The award will be given to a member of the staff, administration or faculty who exemplifies the principles and ideals of Jefferson. Nominations with supporting data should be submitted to Jim Childress, Religious Studies, Cocke Hall 101, by September 15. ■



Office of the Vice President for  
Research and Public Service  
UNIVERSITY OF VIRGINIA

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## Largest ever Gift to the Medical School

The School of Medicine has received \$20 million for prostate cancer research from the estate of Paul Mellon. Motivated by gratitude for the care he received from Dr. Jay Gillenwater, professor and former chair of our Urology Department, Mr. Mellon's gift will fuel an all-out assault on prostate cancer.

The bequest - the largest gift in the school's history and the fourth largest ever for the University - will be used to establish an institute named for Mr. Mellon and will be co-directed initially by microbiologist Michael Weber, director of the U.Va. Cancer Center, and Dr. William Steers, chair of the Department of Urology.



William Steers, M.D.

The institute will focus on an interdisciplinary approach to both basic science and translational research in prostate cancer. Recruitment of four new researchers to complement ongoing research efforts will begin immediately. A functional genomics program will be created to identify the genes involved in prostate cancer and to determine their function and relationship to clinical outcomes. Additional funding will provide further underpinning for research, equipment, and faculty salaries as well as new laboratory space.

The long range goal is to understand how and why the disease strikes some men and not others, to determine who is likely to have cancers that need aggressive treatment and to discover therapies to prevent the onset or progression of the disease. ■

## Two new awards in Geriatrics and Primary Care

The Academic Administrative Unit grant (\$600,000 over 3 years) is to develop research infrastructure in the Division of General Medicine and Geriatrics, including administrative support for grant proposals and research projects, faculty development in research methods, funding for pilot projects, and funding for protected time for faculty to conduct research and for senior faculty research mentors. John Schorling is PI.

The Predoctoral Grant (\$300,000 over 3 years) provides administrative and faculty support to further develop the Ambulatory Internal Medicine clerkship and to develop additional offerings for third and fourth year students in general medicine, geriatrics and palliative care. The PI is Gene Corbett. ■

## Commonwealth of Virginia Alzheimer's Award

The Commonwealth's Alzheimer's and Related Diseases Research Award Fund (ARDRAF) has announced its awards for 2000-2001. Dr. James Bennett and Dr. Christine Thiffault in the Department of Neurology have received an award for their work on mitochondria membrane potential in Alzheimer's.

Reviewers for next year's awards are now being sought by Dr. C. Coogle, ARDRAF administrator, who can be contacted at Virginia Center on Aging at VCU, PO Box 980229, Richmond VA 23298 Phone: (804) 828-1525. ■

[www.virginia.edu/researchandpublicservice/researchnews.html](http://www.virginia.edu/researchandpublicservice/researchnews.html)

Principal Investigator	Sponsor	Amount	Project Title
<b>ADMINISTRATION</b>			
<b>ALDERMAN LIBRARY</b>			
Seaman, D.	NEH	\$25,000	Electronic Text Center Endowment
<b>CENTER FOR LIBERAL ARTS</b>			
Pitt, L.	SCHEV	\$4,538	VA Geometry Project
<b>FINANCIAL AID TO STUDENTS</b>			
Hubbard, Y.	US/EDUC	\$3,075	Pell Grant - FY00
Hubbard, Y.	US/EDUC	\$4,778	Pell Grant - FY00
Hubbard, Y.	US/EDUC	\$7,659	Pell Grant - FY00
<b>INSTITUTE FOR ADVANCED TECHNOLOGY IN THE HUMANITIES</b>			
Unsworth, J.	Mellon Fdn.	\$13,832	Interest Account
Unsworth, J.	NEH	\$233,824	William Blake Archive
Unsworth, J.	NEA	\$25,000	Telepathic Motion Picture Of Lost Tribes
<b>THE PAPERS OF JAMES MADISON</b>			
Stagg, J.	Nat'l Archives	\$139,200	Editing Papers of James Madison
<b>UNIVERSITY PRESS OF VIRGINIA</b>			
Essig, N.	VA Winegrowers Advisory Board	\$5,000	VA's Vines, A Book on Wines of VA
<b>WELDON COOPER CENTER FOR PUBLIC SERVICE</b>			
Knapp, J.	Dept. Of Transportation	\$14,000	Local Highway Finance Report
Thomas, J.	Albemarle County	\$17,760	Albemarle Family Support Program
Thomas, J.	County of Fairfax	\$2,120	Short Term Public Service Projects
Wood, W.	Pew Memorial Trust	\$139,000	Project on Campaign Conduct
<b>WOMEN'S CENTER</b>			
Davie, S.	VFHPP	\$6,400	Women 2000: Shapers of World
<b>COLLEGE OF ARTS &amp; SCIENCES</b>			
<b>ASTRONOMY</b>			
Ianna, P.	NSF/MPS	\$110,000	Fundamental Properties of Nearby Northern & Southern Stars
Majewski, S.	NASA	\$129,584	Survey of Distant Halo Giant Stars
Majewski, S.	NSF/MPS	\$100,000	Stellar Phase Space & Abundance Distribution
Richards, M.	NSF	\$74,963	POWRE: Direct Impact Accretion
<b>BIOLOGY</b>			
Adler, P.	NIGMS	\$67,569	Genetic Control of Tissue Polarity
Adler, P.	NIGMS	\$202,703	Genetic Control of Tissue Polarity
Antonovics, J.	NSF	\$1,000	Fellowship for C. Nunn
Antonovics, J.	NSF	\$20,000	Genetic & Evolutionary Consequences
Barroso, M.	NIGMS	\$103,568	Regulation of Cytoskeleton & Membrane Traffic
Bloom, G.	NIH	\$20,000	Protein-Mediated Control of Neuronal Cytoskeleton
Cronmiller, C.	NSF/BIOL	\$4,375	Ovarian Follicle Morphogenesis in Drosophila
Frankfurter, A.	NINDS	\$52,288	Characterization of Brain Microtubules
Frankfurter, A.	NINDS	\$156,864	Characterization of Brain Microtubules
Green, C.	Jeffress Fdn.	\$29,700	Cell-Specific Ablation of Circadian Clock Function
Green, C.	NEI	\$294,524	Gene Regulation by a Photoreceptor Circadian Clock
Hirsh, J.	NIDA	\$24,433	Fellowship for C.A. McClung
Kretsinger, R.	Jeffress Fdn.	\$26,270	Evolution In Vitro Engineering Active Site

Principal Investigator	Sponsor	Amount	Project Title
Taylor, D.	Jeffress Fdn.	\$30,000	Using Y-Chromosome Microsatellites in Silene Latifolia
Timko, M.	Philip Morris	\$168,695	Cloning of NIC1 & NIC2
Wormington, M.	NSF/BIOL	\$110,000	Poly(A) Removal & Translational Silencing
<b>CENTER FOR RUSSIAN AND EASTERN EUROPEAN STUDIES</b>			
Lynch, A.	US/EDUC	\$75,000	National Resource Center & Foreign Languages
<b>CHEMISTRY</b>			
Brown, M.	Carilion Biomedical Institute	\$50,000	Design, Synthesis & Evaluation
Cafiso, D.	NIGMS	\$185,458	Molecular Mechanisms of Membrane Transport
Etzkorn, F.	NIGMS	\$45,839	Mimics of Helix Turn Helix Peptides
Fraser, C.	NSF/MPS	\$80,000	Metal Core Macromolecules with Tunable Properties
Grisham, C.	Jeffress Fdn.	\$30,000	Structure & Mechanism of Adenylyl Cyclase Toxin
Harrison, A.	NSF	\$162,000	Adsorbate Photochemical Dynamics & Catalysis
Hunt, D.	NIAID	\$527,013	Processed Antigen Characterization by Mass Spectrometry
Hunt, D.	NIGMS	\$240,513	Protein Sequencing by Tandem Mass Spectrometry
Landers, J.	Agilent Technologies	\$2,500	Integrated Microanalytical Technologies
Landers, J.	Agilent Technologies	\$39,000	Integrated Microanalytical Technologies
Landers, J.	Georgia Institute Of Technology	\$165,595	Integrated Sample Preparation for Genomic Analysis
Landers, J.	NHGRI	\$157,592	Noncontact Infrared-Mediated romcycling
Macdonald, T.	Epilepsy Fdn.	\$16,000	Fellowship for C. M. Dieckhaus
Marshall, J.	NIGMS	\$71,167	Synthesis of Tumor Inhibitory Compounds
<b>ECONOMICS</b>			
Brien, M.	DHHS	\$21,000	Bounding Effects
Otrok, C.	NSF/SBES	\$73,828	Temporal Dependence & Economic Fluctuations
<b>ENGLISH LANGUAGE AND LITERATURE</b>			
Drucker, J.	Woodrow Wilson Nat'l Fellowship Fdn.	\$10,000	Fellowship for B. Kassof
<b>ENVIRONMENTAL SCIENCES</b>			
Albertson, JO	NSF/GEO	\$48,325	Role of Canopy Structure on Variability of Water
Berg, P.	Nat'l Environmental Res. Institute	\$17,926	Mathematical Model of Carbon & Nitrogen Cycling
Carr, D.	NSF/BIOL	\$215,934	Ecological Consequences of Inbreeding in Plants
Cosby, B.	Park Service	\$52,444	Regional Analysis of Critical Loads & Threshold Values
Cosby, B.	Univ. North Carolina At Wilmington	\$23,207	Nutrient Dynamics in Florida Keys
Desanker, P.	NSF/SBES	\$2,680	Workshop to Design an Integrated Model
Emanuel, W.	Univ. of New Hampshire	\$72,500	Global Biogeochemical Implications
Galloway, J.	Univ. of Maryland	\$49,331	Assessment of Forest Disturbance
Galloway, J.	Park Service	\$81,156	Shenandoah Watershed Study
Keene, W.	NSF	\$32,500	Collaborative Research: Aerosol Characterizations
Keene, W.	NSF/GEO	\$119,992	Collaborative Research: Biomass Burning Emissions
McGlathery, K.	US/AGRIC	\$8,000	Fate of Reactive Nitrogen
McGlathery, K.	EPA	\$8,727	EPA Star Fellowship for C. Tyler
Mills, A.	NASA	\$22,000	Graduate Student Research Proposal for Rima Franklin
Moody, J.	NOAA	\$50,000	Temperature-Altered Water Vapor Imagery
Moody, J.	NOAA	\$87,107	Review & Synthesis of Nare Aircraft Observations
Shugart, H.	US/AGRIC	\$54,208	An Integrated Approach to Coupling Forest Dynamic Model
Swap, R.	NASA	\$2,882	Collaborative Participation
Swap, R.	NASA	\$8,359	South African Validation of EOS
<b>GERMAN LITERATURE</b>			
Jackson, W.	Max Kade Fdn.	\$9,000	Distinguished Visiting Professorship

Principal Investigator	Sponsor	Amount	Project Title
<b>GRADUATE ARTS AND SCIENCES</b>			
Huskey, R.	US/EDUC	\$29,785	Fulbright-Hays Doctoral Dissertation Research Abroad
Huskey, R.	US/EDUC	\$250	Jacob Javits Fellowship Program
Huskey, R.	US/EDUC	\$28,000	Fulbright-Hays Faculty Research Abroad
Huskey, R.	US/EDUC	\$76,500	Jacob Javits Fellowship Program
<b>HISTORY</b>			
Kett, J.	State	\$125,000	Faculty Exchange Program
<b>MATHEMATICS</b>			
Pitt, L.	SCHEV	\$70,412	Geometry Leadership Project
Pitt, L.	VCU	\$25,000	VA Collaborative for Excellence
Thomas, L.	US/EDUC	\$127,500	GAAN Fellowship Program
<b>PHYSICS</b>			
Gallagher, T.	DOE	\$175,000	Studies of Autoionizing States Relevant Dielectron
Gallagher, T.	NSF/MPS	\$184,000	Controlling Rydberg Atoms with Microwaves
Jones, R.	David & Lucile Packard Fdn.	\$62,500	1999 Packard Fellowship in Science & Engineering
Jones, R.	NSF/MPS	\$10,000	Observation & Control of Correlated Electron Dynamics
Kolomeisky, E.	Jeffress Fdn.	\$20,000	Low-Dimensional Bose-Einstein Condensation
Minehart, R.	SURA	\$14,025	Splitter Boxes
Shivaram, B.	NSF/MPS	\$90,000	High Field Studies of Strongly Correlated Electrons
<b>PSYCHOLOGY</b>			
Allen, J.	NIMH	\$305,419	Family Contexts of Developing Adolescent Peer Relations
Emery, R.	NIMH	\$23,143	Predocctoral Fellowship for D. A. Sbarra
Hill, D.	NIDCD	\$209,092	Ontogeny of Central Neural Taste Responses
Hill, D.	NIDCD	\$277,530	Peripheral Sensory System Development & Regeneration
Kubovy, M.	NEI	\$172,223	Gestalt Detection
Mcardle, J.	NIA	\$50,000	Growth Curve of Adult Intelligence
Newman, D.	Grant Fdn.	\$50,000	Developmental Risk in Native American Youth
Proffitt, D.	NIMH	\$132,244	Constraints on Understanding Physical Dynamics
Reppucci, N.	NIMH	\$95,918	Research Training in Developmental Psychology
Spellman, B.	NIMH	\$92,244	Judgement of Causal Efficacy
Wegner, D.	NIMH	\$74,420	Automation of Mental Control
Williams, C.	NIMH	\$98,464	Neurobiological Contribution to Memory Formation
Willingham, D.	Univ. of Minnesota	\$44,525	Learning in Human Motor Cortex
<b>RELIGIOUS STUDIES</b>			
Gamble, H.	Wabash Ctr. For Teaching & Learning	\$26,400	Teaching Religious Studies
Germano, D.	US/EDUC	\$217,779	Tibetan Digital Learning Resources
Ray, B.	NEH	\$100,000	Salem Witch Trials: Transcription & Research Archive
<b>SOCIOLOGY</b>			
Nock, S.	Smith Richardson Fdn.	\$84,921	Louisiana Response to Covenant Marriage
<b>SOUTH ASIA CENTER</b>			
Ehnbom, D.	US/EDUC	\$162,000	South Asia Comprehensive National Resource Center
Ehnbom, D.	US/EDUC	\$200,000	South Asia Comprehensive National Resource Center
<b>STATISTICS</b>			
Lake, D.	DOD/ARMY	\$1,605	Robust Battlefield Acoustic Target Identification
<b>VIRGINIA GRADUATE MARINE SCIENCE CONSORTIUM</b>			
Rickards, W.	NOAA	\$438,221	National Sea Grant Program

Principal Investigator	Sponsor	Amount	Project Title
Rickards, W.	NOAA	\$645,030	National Sea Grant Program
<b>VIRGINIA INSTITUTE FOR THEORETICAL ASTRONOMY</b>			
Hawley, J.	NSF/MPS	\$225,000	Magnetohydrodynamical Simulations of Black Hole Accretions
Rood, R.	NASA	\$66,463	Hubble Fellowship for M. Catelan
Sarazin, C.	North Carolina State Univ.	\$19,831	Nonequilibrium Effects & Shock Models
<b>CURRY SCHOOL OF EDUCATION</b>			
<b>CURRICULUM, INSTRUCTION, AND SPECIAL EDUCATION</b>			
Invernizzi, M.	Dept. Of Education	\$300,000	Diagnostic Assessment of Early Intervention Reading
Mason, C.	College Of William & Mary	\$21,600	VA Educational Technology Alliance Institutes
Mason, C.	College Of William & Mary	\$27,000	VA Educational Technology Alliance Institutes
<b>HUMAN SERVICES</b>			
Block, M.	Albemarle County Schools	\$47,000	Adapted Physical Education Educators
Perrin, D.	NIAMS	\$74,000	Gender Hormones & Anterior Cruciate Ligament Compliance
<b>DEAN'S OFFICE</b>			
Breneman, D.	Mellon Fdn.	\$355	Interest Account
<b>LEADERSHIP, FOUNDATIONS &amp; POLICY</b>			
Bull, G.	Anonymous	\$419,334	Application of Technology in Teacher Education
Burbach, H.	Dept. Of Education	\$54,120	Guidelines for Uniform Performance Standards Seminars
<b>HEALTH SCIENCES FOUNDATION</b>			
<b>ANESTHESIOLOGY</b>			
Hamill, R.	Quintiles	\$1,041	Protocol Studies
<b>BEIRNE CARTER CENTER</b>			
Braciale, T.	Beirne Carter Fdn.	\$50,000	Immunology Research
Braciale, T.	NHLBI	\$32,416	Postdoctoral Fellowship for S. M. Varga
Braciale, T.	NIAID	\$266,419	Immunobiology of Experimental RSV Infection
Braciale, T.	NIAID	\$286,727	Interdisciplinary Training Program In Immunology
Braciale, T.	NIAID	\$334,205	Cytotoxic T Lymphocyte Response to Influenza Virus
Engelhard, V.	Amer. Cancer Society	\$96,000	Postdoctoral Fellowship for A.G. Brickner
Engelhard, V.	Amer. Cancer Society	\$96,000	Postdoctoral Fellowship for D.W. Mullins
Engelhard, V.	Cancer Research Inst.	\$36,500	Postdoctoral Fellowship for A.L. Zarlino
Engelhard, V.	Receptor Labs	\$2,160	Receptor Laboratories Start Up Consultation
Engelhard, V.	NCI	\$285,712	Preclinical Study of peptide Based Human Tumor Vaccines
Engelhard, V.	NIAID	\$339,955	Identification of Human Minor H Antigen Peptides
Ravichandran, K.	Amer. Cancer Society	\$375,000	Phagocytosis of Apoptotic Cells
<b>BIOCHEMISTRY</b>			
Auble, D.	NIGMS	\$133,386	Molecular Analysis of a Yeast Transcriptional Regulator
Burke, D.	NIGMS	\$59,228	Genetic Control of Mitotic Spindle Assembly & Function
Burke, D.	NIGMS	\$177,682	Genetic Control of Mitotic Spindle Assembly & Function
Dijkwel, P.	NIGMS	\$222,000	Effects of Chromatin Architecture on Origin Activity
Hamlin, J.	NIGMS	\$208,220	Training in Cell & Molecular Biology
Li, Rong	NIGMS	\$144,946	Transcription Factors in Eukaryotic DNA Replication
Smith, J.	NIGMS	\$244,256	Ribosomal DNA & Transcriptional Silencing
<b>BIOMEDICAL ENGINEERING</b>			
Ley, K.	NHLBI	\$32,416	Postdoctoral Fellowship for S. B. Forlow
Ley, K.	NHLBI	\$180,093	Seletin Mediated Leukocyte Adhesion

Principal Investigator	Sponsor	Amount	Project Title
Ley, K.	NHLBI	\$251,256	Monocyte Adhesion to Aroma in Gene Targeted Mice
Ley, K.	NHLBI	\$598,359	Biomechanics of Leukocyte Adhesion Molecules
Oshinski, J.	NHLBI	\$83,407	Magnetic Resonance Coronary Angiography
Price, R.	VA Heart Assoc.	\$30,000	Postdoctoral Fellowship for J. Song
<b>CANCER CENTER</b>			
Myers, C.	NCI	\$302,670	Cancer Center Support Grant
O'Leary, T.	Dept. Of Health	\$38,556	Every Woman's Life Program - Database Design
<b>CARDIOLOGY</b>			
Duling, B.	NHLBI	\$588,140	Basic Cardiovascular Research Training Grant
<b>CELL BIOLOGY</b>			
Bloodgood, R.	NSF/BIOL	\$139,999	Flagellar Glycoprotein Dynamics & Whole Cell Locomotion
Desimone, D.	NHLBI	\$37,516	Postdoctoral Fellowship for T. M. Curtis
Desimone, D.	NICHHD	\$289,726	Cell Matrix Interactions in Amphibian Development
Green, S.	NSF/BIOL	\$125,113	Endosomal Sorting of P-Selectin
Herr, J.	Mellon Fdn.	\$2,519	Interest Account
Herr, J.	Mellon Fdn.	\$4,767	Interest Account
Herr, J.	Mellon Fdn.	\$5,817	Interest Account
Herr, J.	NICHHD	\$227,309	Immunologic Mechanisms in Human Female Infertility
Herr, J.	NIGMS	\$26,846	MARC Predoctoral Fellowship for T. Thompkins
Hinton, B.	NICHHD	\$233,100	Gene Regulation of Epididymal GSH Metabolizing Enzymes
Horwitz, A.	NIGMS	\$108,591	Determinants of Myogenic Membrane Phenomena
Horwitz, A.	NIGMS	\$325,770	Determinants of Myogenic Membrane Phenomena
Laurie, G.	CIT	\$2,000	Dynex Summer Student Internship
Sutherland, A.	NICHHD	\$34,570	Trophoblast Cell Motility
Sutherland, A.	NICHHD	\$99,791	Trophoblast Cell Motility
Sutherland, W.	DOD/ARMY	\$40,204	Lymphocyte Culture Center
Visconti, P.	NICHHD	\$227,484	Membrane Potential & Camp Crosstalk
White, J.	Univ. of Oklahoma	\$20,934	Support for D. T. Ludden
<b>CENTER FOR STUDY OF THE MIND AND HUMAN INTERACTION</b>			
Volkan, V.	Hewlett Fdn.	\$60,000	Organizational Support
<b>CENTER FOR RESEARCH IN REPRODUCTION</b>			
Marshall, J.	Endocrine Fellows Fdn.	\$47,000	Lilly Pituitary Scholars Fellowship
Marshall, J.	NICHHD	\$37,516	Fellowship for L. L. Burger
Marshall, J.	NICHHD	\$184,335	Cellular & Physiological Mechanisms in Reproduction
<b>DEAN'S OFFICE</b>			
Carey, R.	Lucille P. Markey Charitable Trust	\$4,476	Interest Account
Mohrmann, M.	Nat'l Institute For Healthcare Res.	\$5,000	John Templeton Spirituality & Medicine Award
Owens, G.	NIGMS	\$138,135	Medical Scientist Training Program
<b>FAMILY &amp; COMMUNITY MEDICINE</b>			
Franko, J.	DHHS	\$162,000	Graduate Training in Family Medicine
Galazka, S.	DHHS	\$167,400	Establishment of Departments of Family Medicine
Galazka, S.	DHHS	\$207,517	Predoctoral Training in Family Medicine
<b>GRADUATE PROGRAMS OFFICE</b>			
Laurie, G.	NIGMS	\$121,067	Biotechnology Training Program
<b>HEALTH EVALUATION SCIENCES</b>			
Knaus, W.	Dept. Of Health	\$16,948	Short Term Public Service Projects

Principal Investigator	Sponsor	Amount	Project Title
Knaus, W.	Duke Univ.	\$9,000	Consulting Agreement
Knaus, W.	IdeaMed	\$5,440	Consulting Agreement
<b>INTERNAL MEDICINE</b>			
Ayers, C.	NHLBI	\$163,539	High Blood Pressure Research
Barrett, E.	Pfizer	\$1,206	Molecular Correlates of Metabolic Rates
Barrett, E.	Pfizer	\$18,659	Phase II, Double-Blind, Placebo-Controlled, Four Week Study
Beller, G.	Cardiovascular Clinical Studies	\$1,400	Multicenter Trial
Beller, G.	CIS - US, Inc.	\$10,000	Phase III, Open-Label, Single-Crossover Study
Berg, C.	Hoffman La Roche	\$31,063	Protocol study
Bergin, J.	Immunex	\$450	Multicenter, Double-Blind Study
Bolton, W.	Biolink Inc.	\$14,586	Prospective Trial of Biolink Dialock Access
Bolton, W.	Merck Sharp & Dohme	\$299	Double-Blind, Randomized, Placebo-Controlled Study
Borish, L.	NIAID	\$111,442	ASA Desensitization/LT Modifiers -Rhuil-4R in Asthma
Caldwell, S.	Amer. College Of Gastroenterology	\$6,476	Identification of intramitochondrial Crystals in NASH
Caldwell, S.	CIT	\$8,476	Hemostatic Liver Biopsy Needle
Caldwell, S.	Flex Technology Inc.	\$2,649	Hemostatic Liver Biopsy Needle
Caldwell, S.	Schering Corp.	\$19,600	Screening Protocol for Identification of Patients
Caldwell, S.	VitaGen	\$5,220	Safety Evaluation
Caldwell, S.	VitaGen	\$18,102	Safety Evaluation
Chapman, M.	NIAID	\$57,793	Cockroach Allergens & Immunochemistry
Chapman, M.	NIAID	\$173,379	Cockroach Allergens & Immunochemistry
Ciesla, W.	NIAID	\$122,445	Biochemistry of Toxin a Mediated RHO Glucosylation
Cohen, R.	AMC Cancer Research Ctr.	\$12,550	Oncology Statistical Account
Cohen, R.	Banyu	\$7,800	Phase I, Single Dose, Escalation Trial
Cohen, R.	Immunex	\$3,776	Phase II, Clinical Trial
Cohen, R.	Ligand	\$56	Multicenter, Phase 2 Evaluation
Cohen, R.	Pharmacia & UpJohn	\$16,228	Phase III, Randomized, Controlled Clinical Trial
Cohen, R.	PharmaNet	\$21,953	Randomized, Phase III Trial
Cohn, S.	Barnes-Jewish Hospital	\$14,843	Mediators of Inflammation in IBD
Cohn, S.	Barnes-Jewish Hospital	\$35,781	Prostaglandins in Epilial Injury
Cominelli, F.	NIDDK	\$20,000	Research Training in Digestive Diseases
Cominelli, F.	NIDDK	\$203,571	Mechanisms of Experimental Crohn's Disease
Cominelli, F.	NIDDK	\$232,078	Balance of IL-1 & IL-1RA in IBD
Cominelli, F.	NIDDK	\$313,659	Cytokines & Inflammatory Bowel Disease
Cominelli, F.	NIDDK	\$962,000	Immunogenetic Mechanisms of Experimental Crohn's Disease
Corbett, E.	HRSA	\$18,755	Predoctoral Training in Primary Care
Dalkin, A.	NIA	\$219,228	Prostate Cancer - Role of Activin & Follistatin
Dalkin, A.	Univ. of Louisville	\$21,389	PACAP and Gonadotropin Secretion
Dimarco, J.	Axio Research Corp.	\$13,300	Atrial Fibrillation Follow-up Investigation
Donowitz, G.	Merck Sharp & Dohme	\$15,714	Multicenter, Double-Blind, Randomized, Comparative Study
Enelow, R.	Covance, Inc.	\$14,044	Efficacy of Avonex in Treatment Idiopathic Fibrosis
Enelow, R.	InterMune	\$3,000	Randomized, Double-Blind, Placebo-Controlled, Phase I Study
Enelow, R.	NHLBI	\$296,000	Mechanisms of T Cell-Mediated Lung Injury
Fu, S.	NIAID	\$235,021	Immune Responses to Autoantigens
Fu, S.	NIAMS	\$1,190,219	Specialized Center of Research on Systemic Lupus Ery
Fu, S.	NIDCR	\$335,026	Sialoadenitis in AG Induced & Spontaneous Autoimmunity
Gimple, L.	Merck Sharp & Dohme	\$25,000	Evaluation of Statins (Simvastatin) in Patients
Guerrant, R.	Fogarty	\$100,000	Action for Building Capacity (ABC) at UVA
Hayden, F.	Glaxo Inc.	\$179,306	Double-Blind, Randomized, Placebo-Controlled Study
Hayden, F.	Pharmaceutical Research Assoc.	\$7,906	Local Laboratory Influenza Surveillance Agreement
Hedrick, C.	Jeffress Fdn.	\$30,000	Glucose-Mediated Regulation of Monocyte
Johns, D.	Otsuka	\$3,448	A 24 Week, Randomized, Double Blind Study
Kaul, S.	Agilent Technologies	\$2,500	OMNI III Transesophageal Transducer Project

Principal Investigator	Sponsor	Amount	Project Title
Kaul, S.	Amer. Society Of Echocardiography	\$58,208	Cost-Effectiveness of Myocardial Contrast Echocardiograph
Kaul, S.	Chugai	\$25,807	Postdoctoral Fellowship for T. Sakuma
Kaul, S.	Heart & Stroke Fdn. Of Canada	\$25,000	Fellowship for H. M. Leong-Poi
Kaul, S.	NHLBI	\$301,623	Echocardiographic Assessment of Myocardial Perfusion
Kaul, S.	NHLBI	\$331,560	Coronary Microcirculation
Koenig, K.	Amgen Inc.	\$26,000	Double-Blind, Randomized, Placebo-Controlled, Multicenter Study
Koenig, S.	AstraZeneca	\$16,508	3-Month, Multi-center, Multinational, Double-Blind Study
Koenig, S.	Pharmaceutical Research Assoc.	\$5,460	Trial of Salmeterol/Fluticasone Propionate Combination
Linden, J.	NHLBI	\$283,797	Purification & Characterization of Adenosine Receptors
Lindner, J.	NHLBI	\$110,020	Microvascular Endothelial Function with Microbubbles
Lindner, J.	VA Heart Assoc.	\$30,000	Postdoctoral Fellowship for J. P. Christiansen
Liu, Z.	NICRR	\$127,034	GCRC - CAP - Zhenqi Liu
Mangrum, A.	NIDDK	\$122,040	Angiotensin Type 1A Receptor in Pressure Natriuresis
Marshall, J.	NICHHD	\$61,669	Physiological Regulation of Gonadotropin Gene Expression
Marshall, J.	NICHHD	\$266,400	Intragonadotrope Pathways Regulating Gene Transcription
Matsumura, M.	NHLBI	\$127,845	Mechanisms of Id2-Enhanced Vascular Smooth Muscle Growth
McNamara, C.	NHLBI	\$264,368	ID3 Regulation of Smooth Muscle Cell Proliferation
Moorman, J.	NIAID	\$121,635	GTP-Binding Protein RHO in T Cell Signaling Pathways
Moorman, J.	Muscular Dystrophy Assoc.	\$60,000	Membrane Electrophysiology of Myotonic Dystrophy Models
Nadler, J.	SmithKline Beecham	\$8,756	Randomized, Double-Blind Study
Nadler, J.	NIDDK	\$173,568	Calcium & Lipoxigenase & Aldosterone Regulation
Nadler, J.	NIDDK	\$376,943	Lipid Mediators in Induced Pancreatic Islet Dysfunction
Okusa, M.	NIDDK	\$244,663	Adenosine & Renal Injury
Peck, R.	Sanofi	\$500	Multi-Center Study Evaluation
Peck, R.	Sanofi	\$8,000	Randomized, Multicenter Comparison
Petri, W.	HHMI	\$87,000	Fellowship For C. Huston
Petri, W.	NIAID	\$20,536	Gene Expression in Entamoeba Histolytica
Petri, W.	NIAID	\$160,401	Field Studies of Immunity to Amebiasis in Bangladesh
Petri, W.	NIAID	\$258,432	Structure & Function of E. Histolytica Adherence Lectin
Petri, W.	NIAID	\$326,349	Infectious Disease Training Program
Peura, D.	Tap Pharmaceuticals	\$1,880	Study of Evaluate Long Term Safety & Efficacy
Pizarro, T.	NIDDK	\$195,158	Role Of IL-18 In Crohn's Disease
Pizarro, T.	NIAID	\$28,331	Mucosal IL-1RA Gene Transfer in Intestinal Inflammation
Pizarro, T.	NIAID	\$84,993	Mucosal IL-1RA Gene Transfer in Intestinal Inflammation
Platts-mills, T.	NIAID	\$136,058	Asthma & Allergic Diseases Center
Powell, S.	NCI	\$262,512	Genetic Alterations in Gastric Carcinomas
Powers, E.	Medco Research Inc.	\$2,670	Amistad-II: Randomized Double-Blind Adenosine
Powers, E.	SmithKline Beecham	\$2,483	Prevention of Restenosis with Tranilast & Its Outcomes
Powers, E.	SmithKline Beecham	\$4,126	Prevention of Restenosis with Tranilast & Its Outcomes
Rembold, C.	Amer. Heart Assoc.	\$49,514	Heat Shock Protein 20 in CGMP Dependent Relaxation
Santen, R.	Novartis	\$11,250	Antibody Development for Detection of Aromatase
Santen, R.	NCI	\$287,000	Determinants of Tissue Estradiol Sensitivity
Sarembock, I.	Duke Univ.	\$875	ESPRIT: Enhanced Suppression of Platelet IIB/IIIA
Shupnik, M	NIDDK	\$209,282	Estrogen Action in Pituitary
Siragy, H.	Novartis	\$125,000	Role of Angiotensin II in congestive Heart Failure
Siragy, H.	NHLBI	\$227,303	NO & Eicosanoid Mediate Renal Effects of AT2 Receptors
Smith, M.	Amer. Cancer Society	\$432,000	Dysregulated Signaling Mechanisms in Gastric Cancer
Smith, M.	NIAID	\$292,160	Identification of LPS-Induced Signaling Mechanisms
Suratt, P.	NHLBI	\$365,135	Obstructive Sleep Apnea in Children
Townsend, G.	HRSA	\$343,025	UVA Early Intervention/Primary Care Services for HIV
Vance, M.	Alkermes	\$11,250	Randomized, Parallel-Group, Pharmacokinetic Study
Vance, M.	Applied Health Outcomes	\$2,000	Acromegaly Quality of Care Initiative
Vance, M.	Eli Lilly	\$4,030	Hypopituitary Control & Complications Study

Principal Investigator	Sponsor	Amount	Project Title
Vance, M.	Sensus Drug Development Corp.	\$18,439	Six Week, Double Blind, Placebo-Controlled Dose Study
Veldhuis, J	Univ. of California	\$27,724	Pulsatile PTH Release
Wei, K.	VA Heart Assoc.	\$40,000	Echocardiographic Assessment of Microvascular Perfusion
Wen, Y.	Juvenile Diabetes Fdn.	\$110,000	Effects of Elevated Glucose & Lipoxygenase Pathways
Wispelwey, B	Dept. Of Health	\$75,000	Northwest HIV Resource Center
<b>MARKEY CENTER</b>			
Brautigian, D.	Brown Univ. Research Fdtn.	\$4,000	Interest Account
Brautigian, D.	Keck Fdn.	\$10,144	Interest Account
Brautigian, D.	Lucille P. Markey	\$7,692	Interest Account
Brautigian, D.	NIGMS	\$177,582	Phosphorylation & Function of Inhibitor 2
Paschal, B.	VA Heart Assoc.	\$30,000	Fellowship for L. Levesque
Wotton, D.	DHHS	\$30,000	Molecular Analysis of Transcriptional Repression
<b>MICROBIOLOGY</b>			
Bender, T.	NIGMS	\$138,922	Regulation of C-MYB Function by Phosphorylation
Bouton, A.	NSF	\$100,000	Signal Transduction & Regulation
Brown, J.	NIAID	\$171,839	Assembly of Herpes Simplex Virus Capsid
Brown, J.	NSF/BIOL	\$5,000	Packaging DNA into Herpes Simplex Virus Capsid
Brown, J.	NSF/BIOL	\$118,373	Packaging DNA into Herpes Simplex Virus Capsid
Camerini, D.	Duke Univ.	\$61,629	HIV Gene Therapy with RNA Inhibitors
Camerini, D.	NIAID	\$50,334	Testing Antihiv-1 Gene rapy in SCID-HU Mice
Camerini, D.	NIAID	\$306,600	Pathogenesis of R5 HIV-1 Isolates
Christman, M.	Human Frontier Science Program	\$54,975	Multiple Roles of SMC Proteins
Fox, J.	NIGMS	\$111,000	Endogenous Inhibitors of ADAMS/MDC Proteinases
Goldberg, J.	NIAID	\$148,961	Lewis Antigen Expression & Pathogenesis
Goldberg, J.	NIAID	\$171,337	Pseudomonas Aeruginosa LPS Core & Pathogenesis
Kedes, D.	Doris Duke Charitable Fdn.	\$108,000	Growth & Pathogenesis of Kaposi's Sarcoma
Kedes, D.	Pew Memorial Trust	\$15,000	Growth & Pathogenesis of Kaposi's Sarcoma
Kedes, D.	NCI	\$309,000	Capsid Structure & Assembly in KSHV
Kupfer, G.	Amer. Society of Hematology	\$60,000	Induction & Subnuclear Localization of Fanconi Anemia
Kupfer, G.	Concern Fdn.	\$50,000	Isolation & Characterization of Fanconi Anemia Binding
Parsons, J.	NCI	\$820,410	Signal Transduction in Time & Space
Parsons, J.	NIGMS	\$39,232	Fellowship for K. H. Martin
Parsons, S.	NCI	\$23,403	Cancer Research Training in Molecular Biology
Pearson-White, S.	Muscular Dystrophy Assoc.	\$18,533	TFG-Beta Signaling Pathways & Muscle Regeneration
<b>NEUROLOGY</b>			
Bennett, J.	NIA	\$832,845	Mitochondrial Impairment in Alzheimer's Disease
Bennett, J.	VCU	\$25,000	Mitochondria Membrane Potential Abnormalities
Brashear, H.	Univ. of California	\$4,750	Protocol Study
Fountain, N.	Parke-Davis	\$4,000	Protocol Study
Fountain, N.	Parke-Davis	\$4,450	Protocol Study
Fountain, N.	Quintiles Pacific	\$4,169	Protocol Study
Fountain, N.	Quintiles Pacific	\$9,000	Multi-center, Double-Blind, Randomized, Parallel Group Study
Fountain, N.	UCB	\$5,000	Multi-center, Open-label, Long-term Study
Fountain, N.	UCB	\$1,575	Multi-center, Open-label, Long-term Study
Johnston, K.	Emory Univ.	\$6,300	Subagreement for Wasid Study
Kapur, J.	Epilepsy Fdn.	\$40,000	Fellowship for Z. Mtchedlishvili
Manning, C.	Alzhiemers Disease Assoc.	\$16,500	Energy Metabolism Glucose & Memory
Wooten, G.	Amer. Parkinson Disease Assoc.	\$5,000	APDA Advanced Center for Parkinson Research
Wooten, G.	Amgen Inc.	\$17,250	Randomized, Double-Blind, Placebo-Controlled, Parallel Study
Wooten, G.	NINDS	\$192,121	Mitochondrial Etiologies in Parkinson's Disease

Principal Investigator	Sponsor	Amount	Project Title
Wooten, G.	NINDS	\$960,610	Mitochondrial Etiologies in Parkinson's Disease
Worrall, B.	Amer. Academy Of Neurology	\$35,000	AAN Clinical Research Training Fellowship
<b>NEUROSCIENCE</b>			
Lee, K.	NIGMS	\$163,841	Predoctoral Training in Neuroscience
Scrabble, H.	NIMH	\$20,718	Predoctoral Fellowship for C. A. Cronin
<b>NEUROSURGERY</b>			
Farace, E.	Pediatric Brain Tumor Fdn.	\$49,422	Improvement in Quality of Life Using Problem-Solving
Kassell, N.	Mayo Fdn.	\$117,625	International Study of Unruptured Aneurysms
Levy, W.	NIMH	\$136,674	A Computational Approach for Studying the Brain
Levy, W.	NIMH	\$287,604	Molecular Correlates of Adult Synaptogenesis
Ogle, R.	NIDCR	\$295,140	Regulation of Cranial suture Morphogenesis
<b>OBSTETRICS &amp; GYNECOLOGY</b>			
Pinkerton, J.	Aventis	\$24,175	Multicenter, Prospective Study
Pinkerton, J.	Berlex Labs	\$20,977	Multicenter, Prospective Study
Pinkerton, J.	Eli Lilly	\$25	Efficacy and Safety Study
Pinkerton, J.	Eli Lilly	\$10,843	Pharmacological Treatments
Pinkerton, J.	Parke-Davis	\$4,750	Randomized, Open Label 16-week Study
Pinkerton, J.	Wyeth Labs.	\$6,052	Prospective, Double Blind, Randomized Study
Pinkerton, J.	Wyeth Labs.	\$12,391	Double-Blind, Randomized, Placebo & Historical Study
<b>OPHTHALMOLOGY</b>			
Prum, B.	Pharmacia & UpJohn	\$5,320	Comparison of Efficacy & Safety of Latanoprost
<b>ORTHOPAEDICS SURGERY</b>			
Balian, G.	Microaire Surgical Instruments	\$9,990	Healing of Tendon Injuries
Chhabra, A.	Orthopedics Research & Education Fdn.	\$15,000	Mechanical Modulation of Cartilage
Damiano, D.	Medtronic Inc.	\$3,000	Changes in Muscle Performance Motor Function
Mikic, B.	NIAMS	\$73,969	GDF 5 Mediation of Tendon Healing
Mikic, B.	NIAMS	\$74,000	GDF Regulation of Endochondral Bone Growth
Wang, G.	Zimmer Corp.	\$25,000	Orthopaedic Research Fellow Training
<b>OTOLARYNGOLOGY</b>			
Faust, R.	Amer. Laryngological & Rhinological Soc.	\$10,000	Targeting Head & Neck Squamous Cell Carcinoma
Hashisaki, G.	Lions Of VA	\$20,000	Lions of VA Fdn & Research Center
Spindel, J.	Whitaker Fdn.	\$33,700	Development of RWEM Implantable Hearing Aid
Winther, B.	Genetics Institute Inc.	\$1,150	Natural Course of Respiratory Syncytial Virus
Winther, B.	SmithKline Beecham	\$20,393	Randomized, Double-Blind, Double-Dummy, Multicenter Study
Winther, B.	SmithKline Beecham	\$22,264	Randomized, Double-Blind, Double-Dummy, Multicenter Study
<b>PATHOLOGY</b>			
Dong, J.	NCI	\$241,226	Tumor Suppressor Gene at 13Q21 in Prostate Cancer
Felder, R.	NHLBI	\$424,569	Gene Mutations in Human Hypertension
Gonias, S.	NHLBI	\$248,788	Regulation of Urokinase Receptor Activity by LRP
Hazen, K.	NIAID	\$43,261	Molecular Characterization of C Albicans Hydrophobicity
Hazen, K.	NIAID	\$376,950	Mannosylation In C. Albicans Hydrophobicity
Hussaini, I.	NINDS	\$69,945	Regulation of LRP Expression & Function
Mandell, J.	NINDS	\$126,630	Map Kinase Signaling in Astroglial Reactions
Mintz, P.	Cerus Corp.	\$5,115	Cryoprecipitate Study
Mintz, P.	Cerus Corp.	\$6,250	Transfusion of S-59 Fresh Frozen Plasma in Patients
Mintz, P.	Cerus Corp.	\$9,786	Transfusion of S-59 Fresh Frozen Plasma in Patients

Principal Investigator	Sponsor	Amount	Project Title
Tung, K.	NIAID	\$148,000	Pinworm-A Self Tolerance & Autoimmune Disease Modified
Tung, K.	NIAID	\$295,000	Zona Pellucida—Immunopathologic Study
<b>Pediatrics</b>			
Blanton, S.	DHHS	\$2,500	Creation Of Dna Repository To Identify Deafness
Blanton, S.	Univ. of Texas	\$7,547	DNA Linkage Studies of Degenerative Retinal Diseases
Blanton, S.	NEI	\$7,547	DNA Linkage Studies of Degenerative Retinal Diseases
Blanton, S.	NIDCD	\$4,000	Genetic Studies of Non-Syndromic Deafness
Clarke, W.	Pfizer	\$8,080	Efficacy & Safety Study
Clarke, W.	Pfizer	\$11,804	Efficacy & Safety Study
Clarke, W.	Pfizer	\$11,856	Efficacy & Safety Study
Clarke, W.	Pfizer	\$18,300	Efficacy & Safety Study
De Alarcon, P.	Northwestern Univ.	\$24,465	NCI/POG Case Reimbursement
Donowitz, L.	Arnold P. Gold Fdn.	\$5,000	Home Visits
Froh, D.	Cystic Fibrosis Fdn.	\$15,000	Cystic Fibrosis Center
Gomez, R.	NIDDK	\$50,000	Structural & Functional Development of Kidneys
Griffin, M.	Medical Automation Systems	\$74,078	Heart Rate Characteristics Monitoring in Newborn Infants
Hunt, J.	Amer. Acad. Of Allergy & Immunology	\$100,000	Endogenous Airway Acidification
Hunt, J.	Glaxo Inc.	\$35,000	Non-invasive Measurement Of Asthmatic Airway Fluid
Hunt, J.	Parker Francis Fdn.	\$38,000	Endogenous Airway Acidification
Kattwinkel, J.	Dept. Of Health	\$31,250	Regional Perinatal Coordinating Council
Kattwinkel, J.	Discovery Labs	\$2,700	Protocol Study
Kattwinkel, J.	Eastern VA Medical School	\$14,250	Fetal & Infant Mortality Review
Kelly, T.	Univ. of N.C. at Chapel Hill	\$21,322	Genetic Heterogeneity & Therapy Potential
Matherne, G.	NHLBI	\$98,931	Pediatric Cardiovascular Training Grant
Matherne, G.	NHLBI	\$274,116	Myocardial Protection with A1 Receptor Overexpression
Norwood, V.	Amer. Heart Assoc.	\$50,600	Role of Angiotension Receptors in Renal Argonogenesis
Norwood, V.	Long Island Jewish Medical Ctr.	\$560	Multicenter Trial
Stevenson, R.	NICHHD	\$42,628	Postdoctoral Fellowship for C. Houlihan
Wagstaff, J.	Epilepsy Fdn.	\$88,928	Gene Interactions in a Mouse Model of Angelman Syndrome
<b>PHARMACOLOGY</b>			
Bayliss, D.	NHLBI	\$39,232	Fellowship for J. E. Sirois
Bayliss, D.	NIMH	\$21,460	Fellowship for E. M. Talley
Biltonen, R.	NIGMS	\$144,800	Interactions of C2 Domain & Annexins with Lipid Bilayer
Creutz, C.	NIGMS	\$66,527	Calcium Dependent Membrane Binding Proteins
Creutz, C.	NIGMS	\$199,581	Calcium Dependent Membrane Binding Proteins
Garrison, J.	NIDDK	\$60,383	Regulation of Cell Signaling by G Protein by Subunits
Garrison, J.	NIDDK	\$181,146	Regulation of Cell Signaling by G Protein by Subunits
Johnson, M.	Univ. of Maryland	\$35,979	Center for Fluorescence Spectroscopy
Jones, G.	NSF/BIOL	\$126,109	Mechanism of Phospholipase C-Gammal Activation
Lawrence, J.	NIDDK	\$315,618	MTOR Signaling Pathway
Lawrence, J.	NIAMS	\$180,824	Motor Denervation, Muscle Atrophy, & Insulin
Lynch, K.	NIGMS	\$273,634	Training In Pharmacological Science
Lynch, K.	NIGMS	\$301,536	Molecular Pharmacology of Lysophosphatidic Acid
Perez-Reyes, E.	NINDS	\$123,985	Molecular Analysis of Neuronal T-Type CA++ Channels
Rastinejad, F.	NIDDK	\$65,160	Molecular Recognition in Steroid Signaling
Rastinejad, F.	NIDDK	\$195,480	Molecular Recognition in Steroid Signaling
Wright, C.	NIGMS	\$212,330	Structural Basis Of Ganglioside Recognition
<b>PHYSIOLOGY</b>			
Bushweller, J.	NIAID	\$95,593	NMR Structural Studies
Bushweller, J.	NIAID	\$100,035	NMR Structural Studies
Bushweller, J.	NIAID	\$138,608	NMR Structural Studies
Kutchai, H.	VA Heart Assoc.	\$50,000	Determination of Quaternary Structure

Principal Investigator	Sponsor	Amount	Project Title
Minor, W.	Science Applications Intern'l Corp.	\$144,939	Implementation of High Performance Data Collection
Nakamoto, R.	NIGMS	\$137,426	Linking Functions of FOF1 Synthase
Owens, G.	NHLBI	\$270,971	Molecular Regulation of Smooth Muscle Differentiation
Owens, G.	VA Heart Assoc.	\$30,000	Fellowship for F. Dandre
Perozo, E.	NIGMS	\$233,065	Molecular Architecture of Potassium Channels
Perozo, E.	NIGMS	\$281,948	High Resolution Structural Dynamics of K Channels
Somlyo, A.	NHLBI	\$1,630,544	Structural Biology of Cardiovascular Proteins
Wiener, M.	NASA	\$21,112	GSRP Fellowship for M. D. Purdy
Wiener, M.	NIGMS	\$196,533	X-Ray Crystallography of Human Aquaporin Water Channels
<b>PLASTIC SURGERY</b>			
Rodeheaver, G.	Closure Medical Inc	\$4,000	Safety & Efficacy of a New Biological Adhesive
Rodeheaver, G.	U.S. Surgical Corp.	\$4,920	Performance Evaluation of New Sutures
Rodeheaver, G.	U.S. Surgical Corp.	\$39,600	Performance Evaluation of New Sutures
<b>PSYCHIATRY</b>			
Barth, J.	Internat'l Brain Injury Assoc.	\$80,378	Urinary Incontinence & Moderate to Severe Trauma
Canterbury, R.	Dept. Of Mental Health	\$115,945	Psychiatric Mentor Contract
Clayton, A.	Pfizer	\$10,000	Six-Week, Double-Blind, Placebo-Controlled, Multicenter Study
Clayton, A.	Pharmacia & UpJohn	\$12,703	Protocol Study
Clayton, A.	SCIREX Corp.	\$1,400	Multi-Center, Randomized Double-Blind, Placebo Controlled Study
Clayton, A.	SCIREX Corp.	\$2,825	Multi-Center, Randomized Double-Blind, Placebo Controlled Study
Cox, D.	Quintiles Pacific, Inc.	\$2,926	Double-Blind, Placebo-Controlled Study
Kovatchev, B.	NIDDK	\$18,466	Biobehavioral Irregularity & Control of IDDM
Kovatchev, B.	NIDDK	\$55,397	Biobehavioral Irregularity & Control of IDDM
Marvin, R.	ACF	\$150,000	Attachment-Based Interventions
Mcgarvey, E.	Dept. Of Health	\$27,030	Nutrition Needs Assessment for Child Care Providers
Mcgarvey, E.	Dept. Of Health	\$56,056	BCCEDP Comprehensive Evaluation/Surveillance Component
Penberthy, J.	Carilion Biomedical Institute	\$34,866	Algorithm for EEG Assessment
<b>RADIOLOGY</b>			
Angle, J.	Genentech	\$100	Randomized, Double-Blind, Placebo-Controlled Study
Angle, J.	Genentech	\$600	Open Label, Single Arm, Clinical Trial
Delange, E.	Nycomed	\$28,125	Magnetic Resonance Imaging
Delange, E.	Nycomed	\$61,871	Single-Blind, Randomised, Placebo-Controlled Study
Dwyer, S.	NCI	\$125,268	Displays for Full Breast Digital Mammography
Hagspiel, K.	EPIX Medical, Inc.	\$14,000	Multicenter, Comparative Two-Arm, Phase 3 Study
Harvey, J.	Besins Iscovesco USA	\$22,213	Randomized, Placebo Controlled Trial
Harvey, J.	Besins Iscovesco USA	\$44,462	Randomized, Placebo Controlled Trial
Harvey, J.	Imaging Diagnostic Systems	\$10,630	Clinical Trial of Computed Tomographic Laser Mammograph
Kallmes, D.	Neuro Interventions	\$3,229	Rabbit Aneurysm Study
Kallmes, D.	Radiological Soc. Of N. America	\$25,000	RSNA Seed Grant for O. S. Aassar
Kallmes, D.	Radiological Soc. Of N. America	\$30,000	Resident Research Award for T. Kaufmann
Kramer, C.	NHLBI	\$98,959	Regional Beta Adrenergic Response During LV Remodeling
<b>RADIOLOGY ONCOLOGY</b>			
Rich, T.	Radiation Therapy Oncology Group	\$1,650	Radiation Therapy Oncology Group Protocols
<b>STUDENT HEALTH</b>			
Peterson, C.	Merck Sharp & Dohme	\$14,395	Study of Pilot Manufacturing Lot of HPV16 Virus

Principal Investigator	Sponsor	Amount	Project Title
<b>SURGERY</b>			
Jones, D.	Amer. College of Surgeons Oncology	\$18,900	Randomized Trial of Mediastinal Lymph Node Sampling
Jones, D.	NCI	\$131,645	NF-KB Mediated Chemoresistance in Human Lung Cancer
Kern, J.	VA Heart Assoc.	\$40,000	Spinal Cord Protection Using Retrograde Perfusion
Kron, I.	NHLBI	\$198,875	Cardiovascular Surgery Research
Kron, I.	NHLBI	\$218,304	Protection of Pulmonary Vascular Endothelium
Pruett, T.	Roche Diagnostics	\$4,509	Randomized, Double-Blind, Double-Dummy Study
Pruett, T.	Southeastern Organ Procurement Fdn.	\$1,400	Controlled, Randomized, Open Label, Multi-Center Study
Sawyer, R.	CDC	\$78,000	Impact of Rotating Empiric Antibiotic Regimens
<b>UROLOGY</b>			
Chung, L.	John Hopkins Univ.	\$5,000	Prostate Cancer Spore
Chung, L.	John W. Kluge Fdn.	\$26	Human Prostate Cancer Metastasis Trials
Chung, L.	DOD/ARMY	\$554,997	Accelerated Tumor Cell Death By Angiogenic Modifiers
Kao, C.	NCI	\$106,423	Tissue Specific Gene Therapy for Human Prostate Cancer
Steers, W.	NIDDK	\$609,462	Cellular Remodeling Post Obstruction
Theodorescu, D.	Amer. Cancer Society	\$450,000	Vascular Endothelial Growth Factor Regulation
Turner, T.	NIDDK	\$219,089	Testicular Torsion: Mechanisms & Treatment
Tuttle, J.	NIDDK	\$242,460	Urological Research Training for Physicians
UVa Diabetes Center			
Barrett, E.	NIDDK	\$33,600	Research Training in Diabetes & Hormone Action
<b>LAW SCHOOL</b>			
<b>DEAN'S OFFICE</b>			
Hadden, E.	Columbia Univ.	\$127,681	Teaching Services
Hadden, E.	Univ. of Chicago	\$70,965	Teaching Services
<b>INSTITUTE LAW, PSYCHIATRY &amp; PUBLIC POLICY</b>			
Bonnie, R.	Criminal Justice	\$50,060	Facilitate Information Sharing among Agencies
<b>SCHOOL OF ARCHITECTURE</b>			
<b>URBAN &amp; ENVIRONMENTAL PLANNING</b>			
Collins, R.			
Collins, R.	Meridian Institute	\$3,542	Short Term Public Service
Collins, R.	NOAA	\$64,983	IPA Agreement for C.M. Kurrus
Collins, R.	State - Various	\$2,000	Short Term Public Service
Collins, R.	State - Various	\$5,000	Short Term Public Service
VA Environmental Endowment		\$80,000	Dispute Resolution in VA
<b>SCHOOL OF ENGINEERING &amp; APPLIED SCIENCE</b>			
<b>BIOMEDICAL ENGINEERING</b>			
Lee, J.	CIT	\$80,000	Blood Volume Monitor for Hemodialysis Patients
Skalak, T.	NCCAM	\$237,976	Static Magnetic Fields
Skalak, T.	NHLBI	\$11,910	Arteriolar Adaptation to Hemodynamic Stress
Walker, W.	Carilion Biomedical Institute	\$63,111	Sonic Window: A Low Cost Ultrasonic Imaging Device
Walker, W.	NSF	\$449,905	Development of Next-Generation Ultrasound Research
<b>CIVIL ENGINEERING AND APPLIED MECHANICS</b>			
Smith, B.	Dept. Of Transportation	\$30,000	Evaluation-Northern VA Smart Traffic Center
Smith, B.	NSF/ENG	\$210,000	Time-Critical Applications of Nonparametric Regression

Principal Investigator	Sponsor	Amount	Project Title
<b>CHEMICAL ENGINEERING</b>			
Carta, G.	Ajinomoto Co., Inc.	\$86,640	Development of Simulation Technology+D135
Carta, G.	NSF/ENG	\$249,951	Fundamentals of Protein Transport in Charged Gels
Davis, R.	Hampton Univ.	\$54,000	Zeolite-Supported Radium Catalysts
Davis, R.	DOE	\$107,000	Structure & Function of Supported Alkali Catalyst
Fernandez, E.	Novo Nordisk	\$18,000	Toward Rational Design of Reversed-Phase Chromatography
Fernandez, E.	Novo Nordisk	\$24,980	Toward Rational Design of Reversed-Phase Chromatography
Ford, R.	NSF	\$20,000	Biocomplexity - Incubation Activity
Ford, R.	VA Water Resources Ctr.	\$5,000	Response of a Subsurface Microbial Community
Hudson, J.	NSF/ENG	\$267,318	Coupling and Spatiotemporal Structure Electrochemically
Kirwan, D.	Pfizer	\$50,000	Control of Pharmaceutical Crystallization Processes
Kirwan, D.	EPA	\$334,758	Aqueous Polyglycol Solution as Environmentally Benign
Neurock, M.	NSF	\$75,000	Molecular Engineering of Catalytic Surface Chemistry
O'Connell, J.	Clemson Univ.	\$13,518	Application of Hierarchical Cognitive Model
<b>COMPUTER SCIENCES</b>			
French, J.	NASA	\$82,338	Integrating a Manual with Automated Terms
Grimshaw, A.	NSF/CIS	\$332,983	Supporting Complex Application Requirements
Knight, J.	Univ. of Colorado	\$45,721	Tolerating Intrusions Through Secure System Reconfiguration
Liebeherr, J.	NSF/CIS	\$84,567	Hypercast-Highly Scalable Multicast Communications
Prey, J.	NSF	\$156,050	Showcase for NSF DUE CCLI Projects
Robins, G.	NSF	\$287,875	Research in Layout Optimization
Ryall, K.	NSF/CIS	\$75,000	POWRE: Exploring Tangible Interfaces
Stankovic, J.	Kyung Hee Univ.	\$32,484	Development of Global Multimedia Database
Weaver, A.	Amer. Woodmark Corp.	\$5,000	Web-Based Employee Training
Weaver, A.	CIT	\$24,000	Intelligent Internet Search Agent
<b>ELECTRICAL ENGINEERING</b>			
Bean, J.	NSF/EHR	\$13,004	Interactive Tools on Microelectronics
Blalock, T.	Univ. of Illinois	\$20,000	Focal-Plane Processing for Multi-Spectral Imaging
Crowe, T.	NASA	\$135,217	Low Cost Terahertz Frequency Multipliers
Gelmont, B.	DOD/ARMY	\$40,000	Simulation Fabrication & Characterization of Terahertz
Giras, T.	Maglev Inc.	\$20,000	Independent Safety-Critical Consultant
Johnson, B.	NASA	\$10,000	GSRP Fellowship for C. Elks
Towe, E.	DOD/ARMY	\$144,479	Semiconductor Nanostructures on High-Index Surfaces
Weikle, R.	NSF/MPS	\$137,766	Integrated Multipliers for Submillimeter
Williams, R.	CIT	\$25,000	Center for Embedded Computing
<b>DEAN'S OFFICE</b>			
Chestnutt, D.	NASA	\$35,257	VA Consortium of Engineering & Service Universities
<b>MATERIALS SCIENCES</b>			
Hull, R.	NSF	\$282,525	Nonoscale Morphological Control of Strained Semiconductors
Johnson, W.	DOE	\$56,425	Nonequilibrium & Structural Effects on Models
Johnson, W.	NSF/MPS	\$112,328	Diffusional Phase Transformations in Small Systems
Scully, J.	DOE	\$115,000	Metastable Pitting & Intergranular Corrosion
Shiflet, G.	NASA	\$79,977	Development of Sensory Alloys
Shiflet, G.	NSF/MPS	\$102,399	Crystallography & Solute Effects
Wadley, H.	DARPA	\$300,000	Atomic Simulations of Spintronic Device Growth
<b>MECHANICAL &amp; AEROSPACE ENGINEERING</b>			
Bass, C.	Defense Res. Establishment Valcartier	\$15,000	Development of Injury Criteria
Bass, C.	DOD/ARMY	\$5,000	Data Review to Assess Potential Injury Risk

Principal Investigator	Sponsor	Amount	Project Title
Chelliah, H.	NIST	\$53,790	New Approaches to Enhance Performance
Crandall, J.	NASA	\$10,000	Graduate Student Researchers Program 2000
Humphrey, J.	Nat'l Storage Industry Consortium	\$75,000	Numerical Modeling of Magnetic Head Positioning
Laufer, G.	NASA	\$3,000	VSGC Aerospace Undergraduate Research Scholarship
McDaniel, J.	Amer. Flywheel Systems Inc.	\$50,000	Initiate Long Lead Test Facility Work
McDaniel, J.	NASA	\$10,000	GSRP Fellowship for D. E. Cecil

#### SYSTEMS ENGINEERING

Brown, D.	County of Fairfax	\$19,549	Regional Crime Analysis Program
Brown, D.	Criminal Justice	\$95,000	Regional Crime Analysis Program
Guerlain, S.	DOD/NAVY	\$40,000	Uninhabited Missiles Information Management
Haimes, Y.	VA Transp. Research Ctr.	\$133,216	VA's Critical Transportation Infrastructure
Lambert, J.	DOD/ARMY	\$75,000	Multiple-Criteria Decision Making
Louis, G.	NSF/ENG	\$200,000	Integrated Municipal Sanitation Systems
White, K.	Lockheed Martin	\$29,600	Conceptual Design & Analysis of Virtual Distribution

#### SCHOOL OF NURSING

##### DEAN'S OFFICE

Conway, D.	Patches Pty. Ltd.	\$1,984	Qualitative Evaluation of Safety Needle Devices
Dembling, B.	CDC	\$28,051	Impact of Influenza on Hospitalizations & Death in HIV
Lancaster, B.	HRSA	\$93,520	Advanced Education Nursing Traineeship
Parker, B.	DHHS	\$29,676	Fellowship for K. C. Cook
Taylor, A.	Monroe Institute	\$1,000	Income Account - Monroe Institute

#### UNIVERSITY OF VIRGINIA'S COLLEGE AT WISE

##### CHANCELLOR

Ewing, S.	Dept. Of Health	\$295,920	GMEC Host Site
Wharton, D.	US/EDUC	\$190,970	College Work Study

### URPAC Membership for 2001

The University Research Policy Advisory Committee is chaired by Gene Block, Vice President for Research and Public Service. Membership for this academic year includes:

- **Eugene Barrett**,  
Department of Medicine and Pediatrics;  
Director, Diabetes Center
- **David Brautigam**,  
Director, Markey Center for Cell Signaling
- **Carolyn Callahan**,  
Director, National Research Center on  
the Gifted and Talented, Curry  
School of Education
- **Ariel Gomez**,  
Department of Pediatrics
- **Robert Grainger**,  
Biology Department
- **Erik Hewlett**,  
Associate Dean for Research,  
School of Medicine
- **Rick Horwitz**,  
Department of Cell Biology
- **Alex Johnson**,  
Vice Provost for Recruitment  
and Retention
- **Edmund Kitch**,  
Law School
- **Peter Low**,  
Vice President and Provost
- **Pam Norris**,  
Department of Mechanical  
and Aerospace Engineering
- **Joseph Poon**,  
Chair, Faculty Forum for Scientific  
Research, Department of Physics
- **Robert Reynolds**,  
Interim Vice President and CIO, Info.  
Technology & Communications
- **Stephen Schnatterly**,  
Vice Provost for Graduate Studies
- **Robert Spekman**,  
Darden School
- **Richard Sundberg**,  
Associate Dean, Arts & Sciences
- **Haydn Wadley**,  
Associate Dean, School of Engineering  
and Applied Science
- **Pat Werhane Ruffin**,  
Senior Fellow, Olsson Center for  
Business Ethics, Darden School

## Federal Relations News

By James Savage

When Congress returns from its August recess, its first priority will be completing work on the FY 2001 budget. The Senate's budget actions so far are much more favorable to basic research than those of the House, although the Congress has cut an estimated \$1.8 billion from the President's budget requests for science research. Senate funding for NIH was up 15 percent over FY 2000, and the Defense Department's \$6.1 billion basic research budget was increased by 13 percent. NIH funding is the largest source of federal research support for UVA, and Defense is the third. The Senate has yet to complete work on the NSF budget. The House NSF budget registered a 3.9 percent increase, far below President Clinton's requested 20 percent. The House also made cuts in NASA, NOAA, and

DOE programs.

Vice President for Research and Public Service Gene Block has urged Virginia's congressional delegation to support the Senate's numbers in forthcoming conference committee action, both for most research programs and student financial aid.

This fall Congress will have about one month to complete action on its appropriations bills. Because of this limited time frame, President Clinton may have some leverage in forcing greater support for basic research. ■

## Commerce School's Wixom honored two years running

Barbara H. Wixom of the McIntire School of Commerce, in collaboration with Hugh J. Watson (Professor of MIS, Terry College of Business), and Don Stoller (Owens & Minor

Inc.) recently won Honorable Mention in the 2000 Society for Information Management paper competition with their entry, "WISDOM Provides Competitive Advantage at Owens & Minor." This international competition recognizes individuals who have demonstrated their insight and expertise in showing how Information Technology can be used to effectively achieve organizational goals and



Barbara H. Wixom

enhance performance. Their paper describes how Owens & Minor has used data warehousing and Web technologies to connect customers and suppliers in order to compete more effectively and efficiently in the new economy. Wixom won first place in the 1999 competition. ■

[www.virginia.edu/researchandpublicservice/researchnews.html](http://www.virginia.edu/researchandpublicservice/researchnews.html)

## researchnews

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