

Telling Our Story to the New State Administration

Early in the spring semester, Virginia's Secretary of Technology George C. Newstrom toured the University and visited several key research areas. On June 11, Dr. Belle Wheelan, Secretary of Education and Peter Blake, Deputy Secretary of Education asked to receive a similar tour. Provost Gene D. Block and Vice President for Research Ariel Gomez hosted the visit, which started with a presentation by Tim Macdonald, Don Hunt and Bob Burnett in the Chemistry Department. They talked about successful partnerships with industry, as well as the biological research being done in collaboration with faculty in the School of Medicine.

Secretary Wheelan met with Dean Richard Miksad, Haydn Wadley and Phil Parrish in the School of Engineering and Applied Science and learned about the University's nanotechnology research initiative. The promise of smaller, faster cheaper technologies in materials science, medicine, transportation and national security offers an enormous challenge to engineering. The School has already raised significant funds and hopes that the November bond issue referendum will be approved so as to enable the construction of



Photo by Matt Kelly-U.Va. News Services

MARC director Dr. Robin Felder, right, demonstrates a remote pulse monitor to (foreground, from left) interim Vice President for Research and Public Service Ariel Gomez, Wheelan and Blake. New medical research and nanotechnology buildings are among the items included in a bond package that goes before state voters this fall.

a building between Thornton Hall and the Chemistry Building that will be dedicated to nanotechnology research.

In the Medical Automation Research Center, Wheelan and Blake met with director

Automated systems were demonstrated that predict high blood pressure in high-risk groups such as African-Americans – and could perhaps prevent strokes and other serious outcomes.

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Robin Felder. The center has support from Carilion Biomedical Institute. Felder and his staff demonstrated sensors that can be used to monitor the elderly to help them remain in their homes while their vital signs are continuously monitored. Felder believes this information can be used to forecast, and perhaps prevent debilitating illnesses.

Robotics education for Virginia students is an outreach program of the center, and it has developed a curriculum for use in Virginia schools. The field of robotics brings together skills in math, engineering, electronics, mechanics and software engineering, which makes it appealing to middle and high school students. ■



Office of the Vice President for
Research and Graduate Studies
UNIVERSITY OF VIRGINIA

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The General Obligation Bond Referendum, 2002 Funding for Higher Education Facilities in the Commonwealth

As enrollment pressures mount, facilities on the state's campuses are in desperate need of expansion and renovation.

On November 5, 2002, voters in Virginia will be asked to cast ballots on a bond issue to help Virginia's colleges and universities to address this problem.

Nearly 32,000 additional students are expected to enter Virginia's public colleges and universities over the next eight years. As enrollment pressures mount, facilities on the state's campuses are in desperate need of expansion and renovation. On November 5, 2002, voters in Virginia will be asked to cast ballots on a bond issue to help Virginia's colleges and universities to address this problem. This bond will provide \$846 million to remedy substandard conditions and space shortages at the University of Virginia and 16 other state colleges and universities, as well as in the community college system. By improving facilities for instruction and research the bond issue will benefit:

- **Students**, as they pursue the knowledge, skills, and training they need to succeed.
- **Faculty**, who need safe and effective learning environments where they can help students excel.
- **Families**, including senior citizens, who benefit from the medical research and scientific breakthroughs.
- **Businesses**, which are drawn to Virginia by the quality of its colleges and universities and the educated work force they produce.
- **Workers**, who seek to update their training to meet the occupational needs of the new century.

If approved, the new general obligation bonds will provide more than \$68 million for projects at the University of Virginia. The measure contains:

- **\$24.2 million for MR-6, a new medical science building.** The University and its donors will contribute an additional \$25 million for the facility, which will house some 300 researchers and technicians in such fields as cancer, immunology, allergies, and infectious diseases.
- **\$14.3 million for a new Arts & Sciences building.** Part of the \$125 million South Lawn Project, the building will contain approximately half of the College's 25 departments. Its digitally-equipped classrooms will serve the entire University.
- **\$7 million for a new nanotechnology and materials science and engineering building.** In part with private support, the University will provide another \$25 million for the project, which will foster advances in electronics, telecommunications, biotechnology, defense and aerospace technology, and manufacturing.
- **\$5.7 million for renovation of teaching laboratories in Gilmer Hall.** The heart of the undergraduate biology program, these labs will be upgraded for the first time since they were built 35 years ago.
- **\$4.6 million for renovation and expansion of Fayerweather Hall.** Built in the 19th century as a gymnasium, Fayerweather now houses the McIntire Department of Art and is in dire need of repair.
- **\$12.5 million for other projects** necessary for the day-to-day operation of the University.

The goal of the bond proposal is to ensure continued excellence in the state's system of higher education, which is the key to sustaining economic prosperity and the quality of life in the Commonwealth. Says Dr. Ariel Gomez, vice president for research and graduate studies: "This bond referendum, if approved, will make an enormous difference to the environment for learning, and to the research enterprise at the University. Better facilities help us to recruit better students, and to retain our best faculty". ■

Emerging Technology Center Tenants Flourish

MDS Proteomics, Inc., a subsidiary of Canada's largest life sciences research company, MDS, Inc., headquartered in Toronto, is growing quickly in its new 15,000 sq. ft. office and laboratory space in the North Fork Research Park, close to the Charlottesville-Albemarle airport.

The director of the lab, Mark Ross, says that the expertise of University professor of Chemistry Don Hunt in mass spectrometry was the drawing card that brought the company to Charlottesville. There are currently seven analytical biochemists in the MDS Proteomics group, but more specialists in cell biology, protein chemistry and informatics will be added as the work gains momentum. Their research centers on characterizing proteins in biological specimens representing healthy and disease states, and identifying potential disease markers and therapeutic drug targets. High-throughput protein sequencing and protein-protein interaction mapping are critical to this line of research, which requires massive parallel computing capacity to process and analyze the information generated. According to Ross, the data generated by the Human Genome Project is modest in volume compared to that involved in protein sequencing and biological characterization. An IBM Linux cluster at the company's headquarters makes their



*MDS Proteomics team at the Emerging Technology Center
Back row, l. to r.: Jarrod Marto, Forest White, Chuck Lyons, Mark Ross
Front row, l. to r.: Karen Root, Jennifer Caldwell, Cynthia Brame*

screening performance one of the world's fastest.

The company's customers are the larger biotech and pharmaceutical companies that benefit from using small highly specialized partners like MDS Proteomics to discover new drug targets and to evaluate current drugs and drug candidates to elucidate their mechanisms of action and find new uses. For example, MDS Proteomics' technologies yield a better understanding of signaling pathways that drugs may activate or inhibit, and

identification of proteins that are up- or down-regulated and differentially phosphorylated as a consequence. Their top priority for application of their discovery platform is cancer, followed by inflammatory diseases and diseases of the peripheral nervous system. MDSP's small molecule program includes a validated target implicated in oncology, using chemiproteomics and phosphoproteomics.

For more information, see the company's web site at www.mdsproteomics.com/

Principal Investigator	Sponsor	Project Title	Amount
ADMINISTRATION			
ALDERMAN LIBRARY			
Seaman, D.	King Alfred's Coll.	Clotel Project	\$3,549
ASSOC. PROVOST FOR STUDENT ACADEMIC SUPPORT			
Puryear, L.	US/Educ.	Upward Bound	\$3,803
CENTER FOR LIBERAL ARTS			
Luftig, V.	Arthur Vining Davis Fdn.	Teaching Fellows Program	\$130,212
FINANCIAL AID TO STUDENTS			
Hubbard, Y.	US/Educ.	Pell Grant	\$1,428,383
Hubbard, Y.	US/Educ.	Federal Supplemental Educational Opportunity Grant	\$404,755
HEALTH SCIENCES LIBRARY			
Near, K.	Univ. of Maryland	State Health Prof. Assoc. Exhibit	\$1,500
PAPERS OF GEORGE WASHINGTON			
Chase, P.	U.S. Nat'l Archives	Papers of George Washington	\$143,583
Chase, P.	Founding Fathers	CD-ROM Edition of Washington Papers	\$378,125
PAPERS OF JAMES MADISON			
Stagg, J.	Nat'l Archives	Papers of James Madison	\$139,200
STUDENT HEALTH			
Peterson, C.	Merck Sharp & Dohme	Placebo-Controlled, Dose-Ranging Study	\$60,475
VA FOUNDATION FOR THE HUMANITIES AND PUBLIC POLICY			
Vaughan, R.	NEA	Virginia Folk Life Festival	\$18,000
VICE PRESIDENT FOR RESEARCH AND GRADUATE STUDIES			
Plank, J.	VA Dept. Planning & Budget	Commonwealth Technology Research Funds	\$374,850
Plank, J.	Hirsch Fdn.	Preparation & Publication of Louis Sullivan Photos	\$130,000
WELDON COOPER CENTER FOR PUBLIC SERVICE			
Guterbock, T.	Amer. Med. Student Assoc.	Protocol Study	\$20,532
Guterbock, T.	Assoc. of College & Res. Libraries	Library Statistics Survey	\$35,000
Guterbock, T.	Prince William Co.	Prince William County Survey	\$49,750
Guterbock, T.	Urban Inst.	PV Non-Profits	\$28,205
Guterbock, T.	Bedford Co.	Bedford County Citizen Study	\$46,500
Wood, W.	Pew Charitable Trusts	Project on Campaign Conduct	\$198,000
WOMEN'S CENTER			
Kaplan, C.	Dept. of Health	Campus Sexual Assault Conference	\$7,000
Moran, V.	Char-Alb Community Fdn.	Young Women Leaders Program	\$6,000
COLLEGE OF ARTS AND SCIENCES			
ANTHROPOLOGY			
Contini-Morava, E.	Rockefeller Fdn.	Fellowship for M. Ewenge	\$3,936
ASTRONOMY			
Li, Z.	NASA	Large Scale Structure of Magnetocentrifugal Jets	\$62,332
Murphy, E.	SCHEV	Space Science for Teachers	\$55,877
O'Connell, R.	NASA	Disk-Halo Connection in the Spiral Galaxy M101	\$39,200
BIOLOGY			
Barroso, M.	Fundacao para a Ciencia e a Tecnologia	Fellowship for F. Mendes	\$6,000
Barroso, M.	NIGMS	Regulation of Cytoskeleton & Membrane Traffic	\$188,350
Friesen, W.	NSF/BIOL	Physiology & Function of Sensory Feedback Loops	\$255,534
Keller, R.	Leukemia & Lymphoma Soc.	Organization of the Cytoskeleton	\$16,541
Keller, R.	Fundacao para a Ciencia e a Tecnologia	Fellowship for A. Rolo	\$11,047
Keller, R.	NIH	Training Program in Developmental Biology	\$250,159
Keller, R.	NICHHD	Fibrillin & Early Xenopus Patterning	\$221,132

Principal Investigator	Sponsor	Project Title	Amount
Lebedev, N.	DOD/Navy	New Protein-based Biomaterials	\$186,376
Menaker, M.	NIH	Hematopoietic Circadian Rhythms	\$70,224
Noramly, S.	Deafness Res. Ctr.	Genetic Screen for Mutations Affecting Development	\$20,000
Rissman, E.	NIMH	Behavior Regulation of Neuroendocrine Cells	\$92,713
Sundberg, R.	NIH	Extramural Research Facilities Construction Renovation	\$1,906,652
Timko, M.	Philip Morris	Cloning Study	\$70,000
CHEMISTRY			
Andrews, L.	NSF/MPS	Laser Ablation Process	\$125,100
Egorov, S.	Jeffress Fdn.	Nanoparticles Interaction Study	\$30,000
Harman, W.	NSF/MPS	Organic Transformations with H ₂ -Arene Complexes	\$251,000
Harrison, A.	DOE	Photon & Electron Stimulated Chemistry of Adsorbates	\$102,055
Landers, J.	LUNA Innovations	LPG-Based Optical Fiber Fluorescent Sensor	\$18,389
Pate, B.	NSF/MPS	Coordinated Study of Isomerization Reactions	\$90,000
ECONOMICS			
Anderson, S.	NSF	Advertisement Funding	\$16,500
McLaren, J.	Columbia Univ.	Mobility Costs & Dynamics of Labor Market Adjustment	\$27,407
ENGLISH LANGUAGE AND LITERATURE			
Levenson, M.	Mellon Fdn.	World English & Global Culture	\$110,000
ENVIRONMENTAL SCIENCES			
Cosby, B.	Park Service	Acidic Deposition Impacts on Natural Resources	\$177,655
Desanker, P.	AAAS	Women in International Scientific Cooperation (WISC)	\$4,850
Desanker, P.	NSF/SBES	Integrated Land Use Change in Southern Africa	\$33,000
Epstein, H.	Univ. of Alaska	Biocomplexity of Arctic Frost-Boil Ecosystems	\$338,700
Fuentes, J.	NSF	Trace Gas Deposition Processes	\$12,922
Fuentes, J.	NASA	Production of Diabatic Heating in Tropical Troposphere	\$160,859
Galloway, J.	Park Service	Multi-Scale Program to Assess Change in Streams	\$249,775
Keene, W.	NSF/GEO	Aerosol Acidity	\$162,569
Mills, A.	NASA	IPA Agreement	\$55,784
Moody, J.	NSF/GEO	Northern Michigan Atmospheric Chemistry	\$122,244
Shugart, H.	NASA	Regional Analysis of Land-Atmosphere Feedbacks	\$284,988
Swap, R.	NASA	Observations of Aerosols	\$73,103
HISTORY			
Leffler, P.	Char-Alb Community Fdn.	Creating an Indigenous Leadership Corps	\$3,750
MATHEMATICS			
Lasiecka, I.	DOD/Army	Partial Differential Equation Approach	\$30,000
Lasiecka, I.	NSF/MPS	Protocol Study	\$45,001
Lasiecka, I.	NRC	Stability & Control in Nonlinear Elastic Dynamics	\$9,140
PHYSICS			
Cox, B.	DOE	BTEV Straw R&D by the UVA BTEV Group	\$22,469
Day, D.	S.E. Univ. Res. Assoc.	Analysis of Hall C Polarized Target Experiments	\$19,434
Deaver, B.	U.S. Nat'l Ground Intelligence Ctr.	SMM Wave Device/System Development	\$572,646
Fendley, P.	NSF/MPS	Non-Perturbative Approaches to Condensed Matter Physics	\$150,000
Gallagher, T.	NSF/MPS	Controlling Rydberg Atoms with Microwaves	\$5,000
Jones, R.	DOE	Quantum Control of Time-Dependent Electrons	\$90,000
Jones, R.	NSF/MPS	Observation & Control of Correlated Electron Dynamics	\$125,000
Liuti, S.	NRC	Studies of Hard Processes in Nuclei	\$7,100
Louca, D.	NSF/MPS	High Field Studies of Strongly Correlated Electrons	\$180,000
Pfister, O.	DOD/Army	Heisenberg-Limited Interferometer	\$105,000
Thornton, S.	NSF	Fellowship for K-12 Education	\$152,259
PSYCHOLOGY			
Hill, D.	NICHHD	Training in Neurobiology & Behavioral Development	\$197,983
Hill, D.	NIDCD	Fellowship for D. Binder	\$24,513
McArdle, J.	APA	Advanced Training Institute	\$9,000

Principal Investigator	Sponsor	Project Title	Amount
Nesselroade, J.	NIA	Training in Quantitative Modeling in Aging	\$118,791
Oltmanns, T.	NIH	Fellowship for J. Friedman	\$25,981
Williams, C.	NIMH	Noradrenergic Modulation of Memory Storage	\$217,023
Willingham, D.	Univ. of Minnesota	Learning in the Human Motor Cortex	\$86,551
VIRGINIA INSTITUTE OF THEORETICAL ASTRONOMY			
Hawley, J.	NASA	Numerical Magnetohydrodynamic Studies	\$97,126
CURRY SCHOOL OF EDUCATION			
CURRICULUM, INSTRUCTION AND SPECIAL EDUCATION			
Bell, R.	US/Agric.	Trilingual-Hard-To-Reach Audiences	\$13,200
Garofalo, J.	XL Fdn.	Bermuda Project	\$93,255
Snell, M.	US/Educ.	Innovative Strategies for All Young Children	\$4,000
Strzepek, J.	Univ. of California	Central Virginia Writing Project	\$28,000
HUMAN SERVICES			
Gaesser, G.	Barron Assoc.	Low-Cost, High Performance Physical Activity Monitor	\$11,154
Pianta, R.	Univ. of N. Carolina	National Center for Early Development & Learning	\$802,873
LEADERSHIP, FOUNDATIONS AND POLICY			
Cphoon, J.	NSF/CIS	REU Supplement for ITW	\$7,150
Schoeny, Z.	US/Educ.	Online Professional Development for School Admin.	\$75,000
SCHOOL OF MEDICINE			
ANESTHESIOLOGY			
Hamill, R.	Pain Ther.	Multicenter, Randomized, Double-Blind Study	\$6,369
Hamza, M.	Novartis	Amendment to Protocol Study	\$3,277
Hamza, M.	Novartis	Amendment to Protocol Study	\$6,027
Lowson, S.	Novametrics Med. Sys.	Comparison Study	\$20,000
Sando, J.	NIGMS	Structure & Activation of Protein Kinase C Isozymes	\$192,091
BEIRNE CARTER CENTER			
Braciale, T.	Virginia Thoracic Soc.	Fellowship for S. Varga	\$32,500
Braciale, T.	NIAID	Cytotoxic T Lymphocyte Response to Influenza	\$369,002
Engelhard, V.	Cancer Res. Inst.	Fellowship for A. Zarling	\$118,500
Engelhard, V.	Argonex	Service Agreement	\$12,600
Ravichandran, K.	NIAID	Inhibitory Signaling Via the FCGR1B Receptor on B Cell	\$236,275
BIOCHEMISTRY			
Allis, C.	Pfizer	Protocol Study	\$26,500
Allis, C.	NIGMS	Fellowship for J. Rice	\$44,212
Allis, C.	NIGMS	Chromatin Remodeling & Programmed DNA Elimination	\$332,161
Allis, C.	Human Frontier Science Program	Coupling Signaling to Chromatin Modifications	\$66,975
Egelman, E.	NIAID	Fellowship for M. VanLook	\$38,320
Gear, A.	Carman Trust	Platelet Adhesion Defects & Bleeding in Uremia	\$52,500
Grant, P.	Burroughs Welcome Fdn.	Analysis of Histone Acetyltransferase/Transcriptional	\$131,000
Li, R.	NIGMS	Transcription Factors in Eukaryotic DNA Replication	\$263,309
Pearson, W.	NLM	Comparison of Protein Sequences & Structures	\$364,198
Taylor, R.	EluSys	Proof of Principle in Pathogen Clearance	\$1,348,062
BIOMEDICAL ENGINEERING			
Kim, Y.	NINDS	Autoimmunity to Calcium in Lambert Eaton Syndrome	\$186,015
Ley, K.	NHLBI	Monocyte Adhesion to Atheroma	\$222,000
Skalak, T.	Whitaker Fdn.	Building Partnerships	\$1,195,000
CELL BIOLOGY			
Casanova, J.	NIAID	Transepithelial Transport of Immunoglobulins	\$244,713
Castle, J.	NIAID	Regulation of Exocytosis in Mast Cells	\$294,546
Herr, J.	Contravac	Semenogelin as a Serum Marker in Small Cell Lung Cancer	\$90,788
Herr, J.	Fogarty	Research Training in Reproduction for Asian Fellows	\$228,640

Principal Investigator	Sponsor	Project Title	Amount
Herr, J.	Mellon Fdn.	Training & Research Infrastructure	\$250,000
Herr, J.	Berlex	Program of Research & Development for a Sperm Antigen	\$1,210,645
Herr, J.	NICHHD	Center for Gamete Targeted Contraceptive Development	\$789,309
Hinton, B.	NIH	Third International Conference on the Epididymis	\$6,000
CENTER FOR STUDY OF MIND AND HUMAN INTERACTION			
Volkan, V.	Cambridge Fdn. for Peace	Turkish-Greek Dialogue	\$10,000
Volkan, V.	Richard C. Welden Fdn.	Turkish-Greek Dialogue	\$20,000
DEAN'S OFFICE			
Balmer, J.	Elsevier Science Pub.	Clinics of North America Series	\$16,000
DIGESTIVE HEALTH CENTER			
Berg, C.	Hoffman La Roche	Randomized, Open-Label, Multicenter, Phase III Study	\$80,504
Berg, C.	NIDDK	Novel Microsomal UDP-Sugar Transporters	\$195,360
Bickston, S.	Incara Pharm.	Multicenter, Placebo-Controlled Study	\$2,166
Bickston, S.	Elan Pharm.	Phase III, International, Multicenter, Double-Blind Study	\$10,746
Caldwell, S.	VitaGen	Phase II Evaluation of the VitaGen Extracorporeal Liver	\$92,848
Cohn, S.	NIDDK	Prostaglandins in Epithelial Injury	\$94,155
Cominelli, F.	Idec	Phase II, Randomized, Placebo-Controlled Study	\$17,400
Worthington, M.	NIDDK	Protocol Study of Gastrointestinal Tract	\$222,000
Yoshida, C.	Forest Labs.	Phase III, Randomized, Double-Blind Study	\$11,262
EMERGENCY MEDICAL SERVICES			
Martin, M.	SCIOS	Randomized Outcomes Study	\$26,250
GENERAL CLINICAL RESEARCH CENTER			
	NCRR	General Clinical Research Center	\$4,347,418
HEALTH EVALUATION SCIENCES			
Connors, A.	Crohns & Colitis Fdn.	Patient Preferences & Treatment Decisions	\$120,789
Kilbridge, K.	NCI	Prostate Cancer Utilities Among African American Men	\$78,837
Knaus, W.	Chiron Corp.	Integrated Individual Patient Risk Based Analysis	\$21,100
Knaus, W.	Robert Wood Johnson Fdn.	Web Development Study	\$540,402
Stukenborg, G.	DHHS	Administrative Data & General Comorbidity Models	\$131,498
Stukenborg, G.	DHHS	Administrative Data & General Comorbidity Models	\$35,837
INSTITUTE OF LAW, PSYCHIATRY AND PUBLIC POLICY			
Bonnie, R.	Dept. of Mental Health	Forensic Evaluation & Mental Health Law Training	\$273,116
INTERNAL MEDICINE			
Abdel-Rahman, E.	Nat'l Kidney Fdn. of the Virginias	Angiotensin II Action Study	\$19,000
Aloi, J.	Novartis	Multicenter, Randomized Double-Blind Study	\$2,224
Barrett, E.	Pharmaresearch	Phase II, Multicenter, Randomized Study	\$14,514
Barrett, E.	Pfizer	Long Term Safety of Inhaled Human Insulin	\$22,631
Beller, G.	CIS - US	Phase III, Open-Label, Single-Crossover Study	\$24,690
Bergin, J.	GlaxoSmithKline Beecham	Multicenter, Randomized, Double-Blind Study	\$200
Bergin, J.	Duke Univ.	Sudden Cardiac Death in Heart Failure	\$15,330
Bolton, W.	Ortho Biotech.	Correction of Hemoglobin	\$500
Bolton, W.	Alteon	Systolic & Pulse Pressure	\$7,389
Bolton, W.	Ortho Biotech.	Prevalence of Anemia	\$10,500
Bolton, W.	Advanced Magnetics	Phase I, Open Label, Rate Administration Study	\$92,220
Borish, L.	Genentech	Observational Study	\$5,880
Dent, J.	Bayer	Troponin Study	\$50,000
Deshmukh, U.	AHA	Cross-Reactive Antibodies & Molecular Mimicry	\$65,000
Donowitz, G.	Wyeth-Ayerst Pharm.	Randomized, Double-Blind, Multicenter Study	\$13,878
Enelow, R.	InterMune Pharm.	Randomized, Double-Blind, Placebo-Controlled Study	\$63,412
Enelow, R.	InterMune Pharm.	Phase II, Randomized, Double-Blind Study	\$19,533
Farhi, L.	NICHHD	Dynamic Feedback Control of the GH Axis	\$96,549
Fu, S.	AHA	Cross-Reactive Autoantibodies	\$71,500
Gillenwater, H.	Theradex	Phase I, Randomized Study	\$8,800

Principal Investigator	Sponsor	Project Title	Amount
Guerrant, R.	Baxter Healthcare	Glutamine & Alanyl Glutamine-Based Enteral Therapy	\$80,000
Hayden, F.	Viropharma	Placebo-Controlled, Double-Blind, Randomized Trial	\$729,744
Hayden, F.	Agouron Pharm.	Phase II, Randomized, Placebo-Controlled Study	\$4,750
Hayden, F.	BioCryst Pharm.	Multicenter, Randomized, Double-Blind Study	\$14,490
Johns, D.	Otsuka Pharm.	Randomized, Double-Blind, Placebo-Controlled Study	\$3,200
Johns, D.	Otsuka Pharm.	One Year, Randomized, Double-Blind Study	\$150
Johns, D.	Merck Sharp & Dohme	Losartain Versus Patients High Blood Pressure	\$4,655
Johns, D.	Otsuka Pharm.	Multicenter, Blinded, Randomized Study	\$6,600
Johns, D.	Otsuka Pharm.	Twelve-Week Randomized, Double-Blind, Study	\$3,000
Kaul, S.	Heart & Stroke Fdn. of Canada	Fellowship for H. Leong-Poi	\$2,362
Kaul, S.	Agilent Tech.	AOMNI III Transesophageal Transducer Project	\$17,347
Kaul, S.	NHLBI	Echocardiographic Assessment of Myocardial Perfusion	\$366,160
Koenig, S.	Pharm. Res. Assoc.	Salmeterol/Fluticasone Trial	\$37,990
Koenig, S.	GlaxoSmithKline Beecham	Multicenter, Randomized, Double-Blind Study	\$14,875
Koenig, S.	GlaxoSmithKline Beecham	Comparative Trial of Fluticasone Propionate/Salmeteral	\$20,730
Koenig, S.	Covance	Twelve Week Treatment Study	\$1,000
Lake, D.	DOD/Army	Advanced Target Identification & Signal Processing	\$20,688
Linden, J.	NHLBI	Purification & Characterization of Adenosine Receptors	\$662,572
Lindner, J.	Point Biomed.	Cardiovascular Rheology Study	\$12,500
Mangrum, A.	Nat'l Kidney Fdn. of the Virginias	Receptor Cross-Talk in Vascular Smooth Muscle	\$19,000
Mangrum, J.	Guidant Corp.	Use of Brachytherapy	\$74,000
McPherson, R.	DOD/Army	Studies of a RAS Antagonist in Breast Cancer	\$295,951
Moenter, S.	NIH	Central Actions of Estrogens	\$300,173
Moenter, S.	Whitehall Fdn.	GABA & Chloride Cotransporters	\$48,000
Moorman, J.	Adenosine	A2B Adenosine Receptor Antagonists for Asthma	\$29,655
Nadler, J.	GlaxoSmithKline Beecham	Randomized, Double-Blind Study to Compare Durability	\$23,921
Okusa, M.	AstraZeneca	Anti Hypertensive Efficacy Study	\$7,400
Petri, W.	NIAID	Structure & Function of E. Histolytica Adherence	\$361,303
Petri, W.	VA Dept. of Planning & Budget	Commonwealth Technology Research Funds	\$200,000
Petri, W.	NIAID	Adherence Blocking Vaccine for Amebiasis	\$661,457
Platts-Mills, T.	NIAID	Dust Mite, Cockroach & Cat Allergens in Asthma	\$410,454
Powers, E.	Univ. of Pittsburgh	Bypass Angioplasty Revascularization Investigation	\$39,200
Powers, E.	Univ. of Pittsburgh	Bypass Angioplasty Revascularization Investigation	\$28,000
Ragosta, M.	St. Luke's Roosevelt Hospital Ctr.	Open Artery Trial	\$19,790
Reibel, J.	Aventis	Randomized, Phase III, Multicenter Trial	\$85,750
Rembold, C.	NIH	P20-Mediated Suppression of Vascular Force	\$333,000
Robbins, M.	Genentech	Epidemiologic Study of Cystic Fibrosis	\$2,175
Sarembock, I.	Medicines Co.	Randomized Percutaneous Coronary Study	\$171,900
Sarembock, I.	Aventis	Prospective, Randomized, Open Label, Multicenter Study	\$15,900
Sarembock, I.	Duke Univ.	CRUSADE	\$2,800
Sarembock, I.	Cordis Endovascular Sys.	VESTA Trial Saphenous Vein Graft Intervention Using BXT	\$16,600
Saunders, J.	Dept. of Health	Cardiovascular Health Project	\$15,000
Shepard, R.	Industry Various	Oncology Statistical Account	\$30,574
Sklenar, J.	Nycomed	Services Agreement	\$13,958
Song, R.	DOD/Army	Plasma Membrane ER Targeting	\$349,280
Vance, M.	Eli Lilly	Hypopituitary Control & Complications Study	\$13,416
Vance, M.	Pharmacia & UpJohn	Kims: Growth Hormone Replacement in GH Deficient Adults	\$3,300
Wei, K.	Bracco Diagnostics	Phase II, Multicenter Study	\$23,376
Yang, Z.	Whitaker Fdn.	Cardiac Magnetic Resonance Imaging	\$59,431
MARKEY CENTER			
Brautigan, D.	Brown Univ. Res. Fdn.	Phosphatase Enzyme Preparation	\$36,000
Brautigan, D.	NIGMS	Phosphorylation & Function of Inhibitor-2	\$318,364
Lannigan, D.	NIH	Identification of Inhibitors for the Rsk2 Protein	\$148,000
Pemberton, L.	NIH	Histone Nuclear Import & Chromatin Assembly	\$259,218

Principal Investigator	Sponsor	Project Title	Amount
MICROBIOLOGY			
Beyer, A.	NSF	Ultrastructural Analysis of RNA Synthesis & Processing	\$5,000
Bullock, T.	NIH	Role of CD4+ T Cells in Melanoma Immunotherapy	\$106,205
Fox, J.	Polifarma	Melanoma Metastasis	\$68,405
Goldberg, J.	NIAID	Helicobacter Pylori LPS Signaling & Role	\$319,896
Kadner, R.	NIGMS	Transport of Vitamin B12 in E.Coli	\$315,968
Kupfer, G.	NIH	Function & Purification of the Fanconi Anemia Protein	\$100,845
Lorenz, U.	NIAID	T Cell Activation & Development	\$646,137
Marshall, J.	NICHHD	Polycystic Ovarian Syndrome	\$1,022,582
Parsons, J.	NCI	Signal Transduction in Time & Space	\$42,920
Parsons, J.	NCI	Signal Transduction in Time & Space	\$1,480,698
Parsons, S.	NCI	Fellowship for J. Boerner	\$44,212
Parsons, S.	NCI	Cancer Research Training in Molecular Biology	\$513,728
Pearson-White, S.	NICHHD	Sno Gene Function in Growth & Development	\$223,257
Roberts, M.	NINDS	Microglia & HIV Specific T Cell Responses	\$330,825
NEUROLOGY			
Bennett, J.	NIH	Oxidative Stress in Parkinson's Disease	\$44,400
Bennett, J.	Pharmacia & UpJohn	Open-Label, Long Term, Flexible Dose Study	\$29,847
Bertram, E.	Univ. of Maryland	Kynurenines, Glia & Epilepsy	\$94,832
Fountain, N.	Schwarz Pharm.	Protocol Study	\$72,356
Fountain, N.	Quintiles Pacific	Open-Label, Multicenter, Repeated Dose Study	\$5,090
Fountain, N.	Pharm. Res. Assoc.	Protocol Study	\$5,371
Harrison, M.	Univ. of Rochester	PHAROS	\$5,250
Harrison, M.	Univ. of Rochester	Protocol Study	\$58,847
Harrison, M.	TEVA Neuroscience	Bi-National, Multicenter, Double-Blind Study	\$7,002
Johnston, K.	Emory Univ.	Wasid Study	\$7,200
Johnston, K.	Rush-Presbyterian-St. Luke's Med. Ctr.	African American Antiplatelet Stroke Prevention	\$6,520
Nathan, B.	ALSIUS Corp.	Prospective, Randomized, Multicenter Study	\$10,425
Simnad, V.	Biogen	Biogen Study	\$15,400
Swerdlow, R.	Janssen Res. & Dev.	Protocol Study	\$65,914
Trugman, J.	Aventis	Protocol Study	\$30,738
Trugman, J.	Novartis	Multicenter, Double-Blind, Placebo-Controlled Study	\$19,251
Worrall, B.	Mayo Fdn.	Siblings with Ischemic Stroke Study (SWISS)	\$360
NEUROSCIENCE			
Holt, J.	McLaughlin Res. Inst.	Myosin I-Beta & Inner Ear Structure & Function	\$54,908
Lee, K.	NINDS	Forebrain Organization of a Novel Rat	\$296,000
NEUROSURGERY			
Kassell, N.	Innercool Ther.	Use of a Venous Catheter for Core Cooling & Rewarming	\$19,719
Kassell, N.	Univ. of Iowa	Intraoperative Hypothermia for Aneurysm Surgery	\$90,066
Kongable, G.	Epsilon Group	Data Management for a Clinical Perspective	\$89,929
Levy, W.	NIH	Understanding Computation & Communication in the Brain	\$185,000
Levy, W.	NCRR	Analyzing Neural Activity Using Information Theory	\$111,000
Levy, W.	NIMH	Fellowship for P. Rodriguez	\$46,192
Levy, W.	NIMH	Computational Approach for Studying the Brain	\$213,064
Okonkwo, D.	Alzhiemers Disease Assoc.	Alzheimer's-Associated Beta-Amyloid Peptide Study	\$37,764
Shaffrey, M.	G.D. Searle & Co.	Randomized Double-Blind, Placebo-Controlled Study	\$35,400
Shaffrey, M.	Agouron Pharm.	Randomized, Double-Blind, Placebo-Controlled Study	\$18,042
OBSTETRICS AND GYNECOLOGY			
Andersen, W.	Gynecologic Oncology Group Studies	Gynecologic Oncology Group Clinical Trials Studies	\$58,817
Giancario, M.	NIH	Twin-Twin Transfusion Syndrome Trial	\$16,998
Pinkerton, J.	Wyeth Labs.	Double-Blind, Randomized, Placebo-Controlled Study	\$19,561
Pinkerton, J.	Wyeth-Ayerst Pharm.	Placebo & Active Controlled Study	\$20,000
Pinkerton, J.	Wyeth Labs.	Prospective, Double-Blind, Randomized Study	\$31,500
Pinkerton, J.	Cytos Pharm.	Histidine's Efficacy as Dietary Supplement	\$33,681

Principal Investigator	Sponsor	Project Title	Amount
Pinkerton, J.	Wyeth-Ayerst Pharm.	Placebo & Raloxifene Controlled Study	\$49,488
Pinkerton, J.	Berlex Labs	Multicenter, Double-Blind, Randomized Study	\$14,249
OPHTHALMOLOGY			
Conway, B.	John Hopkins Univ.	Collaborative Ocular Melanoma Study	\$150
Conway, B.	Eyeteck Pharm.	Phase II/III Randomized, Double-Masked Study	\$16,198
Prum, B.	Pharmacia & UpJohn Co.	Comparison Study	\$1,000
ORTHOPAEDIC SURGERY			
Abel, M.	Shriner's Hospitals of Children	Cross-Sectional & Longitudinal Assessment Study	\$31,550
Anderson, D.	Synthes Spine	Demineralized Bone Matrix	\$500
Brown, T.	Zimmer Corp.	Mechanical Strength Study	\$6,134
Diduch, D.	Smith & Nephew Richards	Smith & Nephew Fellowship	\$37,500
Granata, K.	Depuy	Effects of Scoliosis on Dynamic Spinal Function	\$50,000
Hurwitz, S.	Depuy	Depuy Foot/Ankle Fellowship	\$20,000
OTOLARYNGOLOGY			
Winther, B.	Whitehall-Robins	Repeat-Dose, Placebo, Active-Controlled Study	\$50,793
Winther, B.	GlaxoSmithKline Beecham	Multicenter, Single Group Study	\$11,556
Winther, B.	Inspire Pharm.	Multicenter, Randomized, Parallel-Group Study	\$19,925
Winther, B.	GlaxoSmithKline Beecham	Open, Non-Comparative, Multicenter Study	\$55,430
PATHOLOGY			
Felder, R.	Georgetown Univ.	Renal Dopamine-1 Receptor Defect in Hypertension	\$105,354
Felder, R.	Assoc. of Lab. Automation	Assoc. of Laboratory Automation Journal	\$59,107
Gonias, S.	NCI	Regulation of Growth Factor Activity by A2 Macroglobuli	\$349,179
Mintz, P.	Cerus Corp.	Fresh Frozen Plasma Transfusion	\$69,936
Mintz, P.	Cerus Corp.	S-303 Treated Red Blood Cell Use	\$23,760
Moskaluk, C.	NCI	Program Funding	\$4,024
Moskaluk, C.	NCI	Tissue Procurement & Processing for Molecular Analysis	\$431,947
Templeton, D.	NCI	Cell Growth Regulation	\$359,921
Tung, K.	NIH	Antibody-Induced, T Cell-Mediated Neonatal Autoimmunity	\$331,944
PEDIATRICS			
Blanton, S.	Virginia Commonwealth Univ.	Genetic Studies of Non-syndromic Deafness	\$37,003
Blanton, S.	Univ. of Texas	Spina Bifida Study	\$26,233
Clarke, W.	Pfizer	Efficacy & Safety Study	\$25,063
De Alarcon, P.	Northwestern Univ.	Services Agreement	\$19,400
De Alarcon, P.	Amer. Soc. of Hematology	ASH Medical Student Award	\$4,500
Gaston, B.	Clintrials	Epidemiologic Study of Cystic Fibrosis	\$9,775
Kelly, T.	Genentech	National Cooperative Growth Study	\$1,575
Norwood, V.	Amgen	Open-Label, Randomized, Non-Inferiority Study	\$2,530
Turner, R.	Whitehall-Robins	Repeat-Dose, Placebo & Active Controlled Study	\$39,219
Turner, R.	NCCAM	Evaluation of Echinacea in a Human Rhinovirus Challenge	\$827,459
Willson, D.	Ony	Multicenter, Prospective, Blinded, Randomized Trial	\$25,000
PHARMACOLOGY			
Biltonen, R.	NIGMS	C2 Domain & Annexins Lipid Bilayer	\$263,164
Johnson, M.	Univ. of Maryland	Center for Fluorescence Spectroscopy	\$77,837
Lynch, K.	NCI	Lysophosphatidic Acid & the Progression of Prostate Cancer	\$191,480
Perez-Reyes, E.	NINDS	Molecular Analysis of Neuronal T Type CA++ Channels	\$335,516
Zhu, J.	Alzheimer's Disease Assoc.	Signaling Pathway Underlying Synaptic Depression	\$44,413
PHYSICAL MEDICINE AND REHABILITATION			
Dibenedetto, M.	Dept. of Rehabilitation Svcs.	Virginia Assistive Technology System	\$50,000
Dibenedetto, M.	Dept. of Rehabilitation Svcs.	Virginia Assistive Technology System	\$22,000
Kerrigan, D.	NIH	Patient-Oriented Gait Research	\$102,238
PHYSIOLOGY			
Bushweller, J.	Leukemia & Lymphoma Soc.	Transcriptional Regulation of Runx Proteins	\$25,000
Derewenda, U.	NATO	Structure & Thermodynamics in Domain Interactions	\$2,742

Principal Investigator	Sponsor	Project Title	Amount
Derewenda, U.	Univ. of Minnesota	Cominatorial Biology & the Mitomycin Pathway	\$71,239
Owens, G.	Amer. Physiological Soc.	Fellowship for B. Wamhoff	\$35,500
Tamm, L.	NIAID	Molecular Mechanisms of Viral Membrane Fusion	\$357,252
Wiener, M.	NASA	Membrane Protein Crystallography	\$269,000
Wiener, M.	Florida State Univ.	Membrane Protein Structural Genomics	\$88,800
PLASTIC SURGERY			
Rodeheaver, G.	Closure Medical	Safety & Efficacy of a New Biological Adhesive	\$22,750
Rodeheaver, G.	Hill-Rom	Evaluation of a New Wound Dressing	\$96,225
PSYCHIATRY			
Barth, J.	Ortho Biotech.	Non-Therapeutic Study	\$84,155
Canterbury, R.	Dept. of Mental Health	Psychiatric Mentor Contract	\$45,000
Clayton, A.	Pfizer	Double-Blind, Placebo-Controlled Study	\$12,500
Clayton, A.	Pherin Pharm.	Phase II Study	\$21,000
Clayton, A.	Merck Sharp & Dohme	Worldwide, Multicenter, Double-Blind Study	\$71,004
Clayton, A.	GlaxoSmithKline Beecham	Multicenter, Double-Blind, Placebo-Controlled Study	\$24,033
Clayton, A.	Glaxo	Randomized, Double-Blind, Parallel-Group Study	\$48,779
Cox, D.	Alza Corp.	Simulated Driving Pilot Study	\$112,035
Cox, D.	Life Scan	Algorithms for Processing Self-Monitoring Blood Glucose	\$218,055
Kovatchev, B.	Life Scan	Algorithms for Self-Monitoring Blood Glucose	\$48,648
RADIOLOGY			
Brookeman, J.	Virginia Dept. of Planning & Budget	Center for In-Vivo Hyperpolarized Gas MR Imaging	\$595,152
Delange, E.	NIH	Hyperpolarized Helium 3 MRI of the Lungs in Asthmatics	\$8,696
Delange, E.	NHLBI	Hyperpolarized Helium-3 MRI of the Lung in Asthmatics	\$437,448
Hagspiel, K.	Berlex Lab.	Multicenter, Open-Label, Crossover Study	\$12,400
Harvey, J.	Imaging Diagnostic Sys.	Clinical Trial of Computed Tomographic Laser Mammograph	\$44,385
Marx, W.	Parallax Medical	Improvement in Pulmonary Function	\$10,693
Pan, D.	DOD/Army	Nuclear Imaging for Assessment of Prostate Cancer Gene	\$320,489
Watson, D.	Vasomedical	Effect of Enhanced External Counterpulsation (EECP)	\$35,014
RADIOLOGY ONCOLOGY			
Rich, T.	Radiation Ther. Oncology Group	Radiation Therapy Oncology Group Protocols	\$4,220
SURGERY			
Chu, K.	Duke Univ.	Prognostic Study of Sentinel Node	\$34,100
Jones, D.	Surgical Sealants	Thorex Lung Protocol Study	\$14,102
Jones, D.	Duke Univ.	Randomized Trial of Mediastinal Lymph Node Sampling	\$29,600
Kron, I.	Aventis	Expedition Trial	\$7,000
Pruett, T.	Univ. of Michigan	Recurrent Hepatitis B After Liver Transplant Study	\$2,000
Pruett, T.	Roche Diagnostics	Randomized, Double-Blind, Double-Dummy Study	\$2,362
Pruett, T.	Univ. of Alabama	Clinical Studies of Viral Infections Therapies	\$5,000
Schenk, W.	ZLB Central Lab.	Fibrin Sealant Study	\$5,075
Slingluff, C.	NIH	Melanoma Vaccines Using MHC-Associated Peptides	\$329,300
Spotnitz, W.	Parexel Int'l Corp.	Various Trials	\$152,031
UROLOGY			
Steers, W.	Eli Lilly	Efficacy & Safety of Duloxetine	\$32,922
Steers, W.	Interstitial Cystitis Assoc.	Reduced Serotonergic Activity on the Bladder	\$34,600
Steers, W.	Pfizer	Phase 3B, Multicenter, Double-Blind, Study	\$3,344
Turner, T.	NICHHD	Fellowship for D. Bomgardner	\$9,067
SCHOOL OF ARCHITECTURE			
ARCHITECTURAL HISTORY			
Wells, A.	Prince William Co.	Rippon Lodge Dendrochronological Study	\$1,196
ARCHITECTURE			
Quale, J.	Weyerhaeuser Co. Fdn.	Solar Decathlon Team	\$5,500
Wilson, R.	Dept. of Historic Resources	DHR Cooperative Agreement	\$4,500

Principal Investigator	Sponsor	Project Title	Amount
URBAN AND ENVIRONMENTAL PLANNING			
Collins, R.	Meridian Inst.	Short Term Public Service (State Agencies)	\$25,719
Dukes, E.	Dept. of Forestry	Fluvanna Heritage & Forum on Open Space	\$5,000
SCHOOL OF ENGINEERING AND APPLIED SCIENCE			
BIOMEDICAL ENGINEERING			
Skalak, T.	Whitaker Fdn.	Building Partnerships	\$1,195,000
Skalak, T.	NCCAM	Static Magnetic Fields & Microvascular Adaptation	\$246,534
CHEMICAL ENGINEERING			
Hillier, A.	Cabot Microelectronics	Development & Application of Tribo-Electrochemicals	\$107,094
Neurock, M.	Reaction Design	Oxidation of Benzene to Phenol	\$90,000
Pindera, M.	Ohio Res. Inst.	Multi-Scale Sizing of Lightweight Multifunctional Space	\$58,900
CIVIL ENGINEERING AND APPLIED MECHANICS			
Park, B.	Dept. of Transportation	Enhancement on Northern Virginia SMART Traffic Signals	\$39,995
Smith, B.	Virginia Transportation Res.Ctr.	Smart Travel Laboratory Computational Infrastructure	\$25,000
COMPUTER SCIENCE			
French, J.	NASA	Thesaurus Support to NASA Earth Science Data	\$92,205
Grimshaw, A.	Univ. of California	Supporting Wide Area Computational Science	\$311,000
Knight, J.	NSF/HER	Next Generation Labs. in Computer Science Education	\$75,000
Luebke, D.	NSF/CIS	Beyond the Frame	\$52,670
Luebke, D.	NSF	CISE Research Resources	\$12,000
Martin, W.	Trace Fdn.	Fellowship for T. Tsering	\$25,756
Stankovic, J.	Boeing	Program Composition for Embedded Systems	\$202,000
Stankovic, J.	DARPA	Network Virtual Machine	\$539,942
DEAN'S OFFICE			
Livesay, C.	NASA	Industry Internship Program	\$8,000
ELECTRICAL ENGINEERING			
Brandt-Pearce, M.	NSF/CIS	Multiuser Coding & Signal Processing	\$52,208
Crowe, T.	Virginia Diodes	Planar Diode Development	\$86,657
Giras, T.	Maglev	Maglev Rule of Particular Applicability (MRPA)	\$125,000
Lichtenberger, A.	NSF/MPS	Superconductive Detectors & Materials	\$259,418
Lichtenberger, A.	Univ. of Arizona	Micromachining of Thz Waveguide	\$50,000
Silverstein, S.	NSF/CIS	Adaptive Digital Signal Processing	\$97,329
Stan, M.	Intel Corp.	Sub-Volt CMOS Circuits with Reduced Leakage	\$40,000
Stan, M.	NSF/CIS	IC Design for Low Power	\$50,000
Weikle, R.	NSF/MPS	Integrated Multipliers for Submillimeter-Wave Radio	\$289,624
Wilson, S.	NRAO	NRAO Traineeship	\$5,898
MATERIALS SCIENCE			
Baragiola, R.	NASA	Molecular Synthesis & Desorption	\$50,000
Baragiola, R.	NASA	Laboratory Simulations of Radiation Effects	\$59,000
Hull, R.	IBM	Joint Study Agreement	\$23,000
Johnson, R.	NSF/MPS	Irradiation of Low Temperature Solids	\$146,262
Johnson, R.	NASA	Graduate Student Researchers Program	\$24,000
Johnson, R.	NASA	Ion Collision Processes	\$89,244
Starke, E.	NASA	Metals Technology for Aerospace Applications in 2020	\$34,987
Taylor, S.	Virginia Dept. of Planning & Budget	Commonwealth Technology Research Funds	\$212,523
Taylor, S.	DOD/AF	Factor Identification Study	\$58,000
Wadley, H.	ITN Energy Sys.	Directed Vapor Deposition of Fuel Cell Electrolytes	\$203,372
Zhigilei, L.	Amer. Soc. for Mass Spectrometry	ASMS Research Award	\$25,000
MECHANICAL AND AEROSPACE ENGINEERING			
Bass, C.	DOD/Army	Biological & Human Simulators	\$140,000
Bass, C.	Applied Res. Assoc.	Study of Blast-Induced Glass Fragment Injury	\$74,135
Crandall, J.	U.S. DOT	Biomechanical Response of Human Surrogates	\$945,000

Principal Investigator	Sponsor	Project Title	Amount
Darvish, K.	Transportation Res. Lab.	Mechanical Characterization of the Femoral Flesh	\$15,000
Humphrey, J.	Nat'l Storage Industry Consortium	Numerical Modeling of Magnetic Head Positioning Error	\$61,000
Knospe, C.	NSF/ENG	Control of Electromagnetic Actuators	\$90,385
Laufer, G.	Avir	Passive, Low Cost, Lightweight, Remote Detector	\$23,300
McDaniel, J.	NASA	Graduate Student Research Program	\$14,000
Pilkey, W.	DOD/Army	Limited Distribution Journal	\$7,355
Pilkey, W.	DOD/Navv	Human Impact Biodynamics Modeling	\$90,000
SYSTEMS ENGINEERING			
Brown, D.	Fluvanna Co.	Web-Enabled Regional Crime Analysis Program	\$28,121
Brown, D.	Calspan-UB Res. Ctr.	Information Fusion Support	\$113,333
Brown, D.	Justice	CMRC Capstone Project	\$42,151
Guerlain, S.	NSF	Cognitive Engineering of Surgical Work Processes	\$10,843
Haimes, Y.	Science Applications Intn'l	Mission Degradation Analysis Support for DTRA	\$40,000
Horowitz, B.	Hitachi	Security Standards for Integrating Components	\$10,000
Horowitz, B.	Software AG	Application of XML to Complex Distributed Systems	\$20,000
Horowitz, B.	Aerospace Corp.	Reducing the Cost of Low-Earth Orbit (LEO) Satellites	\$10,000
Louis, G.	EPA	Fellowship for J. Rogers	\$7,767
SCHOOL OF NURSING			
DEAN'S OFFICE			
Jacox, A.	Amer. Pain Soc.	Managing the Clinical Practice Guidelines	\$63,000
Taylor, A.	NCCAM	Fellowship for K.M. Boyden	\$23,411

Robert Wood Johnson Foundation Supports Chronic Care Initiative

"Take Care To Learn" is a program designed to improve care for patients with chronic diseases by development of a health care team that includes the patient. Dr. Mohan Nadkarni is the PI for the grant that will initially help up to 1600 patients with diabetes. Through team-building between 10 internal medicine residents, 3 nurse practitioners and 3 pharmacy interns, a program to coach patients to take a pro-active stance in their own care is being developed. The team will set objectives to track health outcomes and patient satisfaction in controlling diabetes. The goal is to revolutionize the daily care of patients with chronic illnesses. Although focusing initially on diabetes, the approach could be extended to patients with heart disease, asthma and other chronic illnesses. The funding from the Robert Wood Johnson Foundation is for 2 years.

The most innovative aspect of the program is that patients will be involved in setting the objectives for their diet, monitoring sugar levels and helping to design their own exercise programs. Methods of communicating with patients – many of whom live several hours' drive from Charlottesville – will include the use of e-mail and WebTV to exchange information back and forth between the patient and the U.Va.-based team. For many elderly people, this is a new concept, and one they welcome in their lives once they realize the potential it opens up for speedy and direct communications with their health care providers.

"The idea of patient-centered care is what distinguishes the program," states Nadkarni. "It allows us to care for a much larger population through the use of technology, expanding our reach beyond the single encounter



Dr. Mohan Nadkarni

in which the patient is required to come to the clinic. The possibilities for improving the health of a much larger population are exciting. And advances can lead not only tremendous cost savings, but more importantly may help patients reduce complications and manage their illnesses so they can lead happier, healthier and more productive lives." ■

Twenty Years of Peaceful Resolution



Frank Dukes

Wouldn't it be wonderful if the rest of life could be this way? The University of Virginia's Institute for Environmental Negotiation (IEN) started in 1981 as the result of Richard Collins and Bruce Dotson's vision for resolving disputes without resorting to legal action. Twenty years later Frank Dukes is now the director, and is joined by senior associates Tanya Denckla and Karen Firehock, and IEN is a hive of activity.

The Institute offers a nine-month course called the Virginia Natural Resources Leadership Institute, jointly sponsored by Virginia Tech and the Virginia Department of Forestry. Participants include public officials, environmental advocates, and people from industries that impact the environment including Dupont and the J.M. Huber Corporation. The U.S. Forest Service has offered IEN a grant to develop a southern region summer program with the same objectives.

The William and Flora Hewlett Foundation has contributed \$590,000 to IEN over a four-year period. Their grants have resulted in a publication called *Collaboration: A Guide for Environmental Advocates*, a handbook that has been widely distributed. IEN has also inaugurated the Community-Based Conservation Research Consortium, (CBCRC), to develop a research collaborative for studying communities that are dependent on natural resources. Thanks to the program, a Navajo tribal organization that is dedicated to preserving its cultural heritage and natural resources as well as eight other areas are currently being provided assistance through the Consortium. On their Website at www.cbrc.net is a host of case studies and projects in a searchable database that is intended to be a national resource.

According to director Dukes, IEN is also lending its services to U.Va's new Center for Expertise in Superfund Site Recycling. Directed by the Law School's John Cannon, and with input from landscape architect Julie Bargmann and faculty in other Schools as well, IEN will assist the Superfund project to explore the best uses for formerly contaminated sites that have been cleaned up. ■

New PI's Take Note

On October 8th from 9:00 a.m.–12:30 p.m. there will be a research orientation seminar for all new PI's in Jordan Hall Conference Center. ■

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Editor

Prudence Thomer

Contributors

Therese Daigle

Photography

Tom Cogill

Graphic Design

Richard Montoya Design



Office of the Vice President for
Research and Graduate Studies
UNIVERSITY OF VIRGINIA

P.O. Box 400301
314 Madison Hall
Charlottesville, VA 22904-4301
(804) 924-3606

Web site:

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