

**PART II
SCHOOL OF MEDICINE
2008-09**

SCHOOL OF MEDICINE

Progress on Objectives for 2008-2009

In the 2007-08 Annual Report, the School of Medicine identified the following objectives:

2008-09 Objectives	2008-09 Accomplishments
Undergraduate medical education initiatives	<p>COMPLETED:</p> <ul style="list-style-type: none"> • Completed process of curriculum review for undergraduate medical education and initiated curricular re-design based on this process • Completed analysis of variables for class size expansion <p>IN-PROGRESS:</p> <ul style="list-style-type: none"> • Establishing a Masters degree in Medical Sciences to replace the certificate programs • Establishing a Masters degree program for medical students pursuing a year-out in research
Graduate studies initiatives	<p>COMPLETED:</p> <ul style="list-style-type: none"> • Re-organized the offices of the Associate Dean of Research and Associate Dean for Graduate Studies under the Senior Associate Dean for Research and Research Training • Initiated a curriculum review of graduate programs and student recruitment • Increased the portfolio of research training grants

<p>Faculty initiatives</p>	<p>COMPLETED:</p> <ul style="list-style-type: none"> • Recruited new Chair of Neurology • Recruited new Chair of Pediatrics <p>IN-PROGRESS:</p> <ul style="list-style-type: none"> • Developing a physician recruitment office under the Senior Associate Dean for Faculty Affairs
<p>Programmatic initiatives</p>	<p>COMPLETED:</p> <ul style="list-style-type: none"> • Initiated Phase II of the Center for Human Simulation and Patient Safety • Initiated new program Development in the Center for Molecular Imaging under its new Director, Jamal Zweit, Ph.D. • Developed the VCU Institute for Molecular Medicine through faculty recruitment • Re-organized the Office of Continuing Medical Education under UHS and developed new curricular initiatives, including distance learning, in partnership with the Center for Human Simulation and Patient Safety
<p>Facilities</p>	<p>COMPLETED:</p> <ul style="list-style-type: none"> • Completed construction of MSB II with the goal of full occupancy by August 2009 • Developed design and programming for the new School of Medicine building • Completed Sanger 3 renovations and occupancy

Policy initiatives	<p>COMPLETED:</p> <ul style="list-style-type: none"> • Established and implemented new guidelines on industry relationships and conflict of interest policy • Implemented standard operating procedures for clinical practice productivity monitoring and financial performance • Revised MCV Physicians Bylaws to bring into compliance with new regulations
Physician Compensation Plan Review	<p>COMPLETED:</p> <ul style="list-style-type: none"> • Evaluated faculty compensation plans for clinical, teaching and research faculty in the School of Medicine • Identified common principles and methodologies to be implemented in all departmental plans • Revised existing departmental plans such that faculty productivity in clinical, teaching and research activities is appropriately incentivized

School Contributions to the Institution

The School’s activities continued to support VCU 2020, with Theme IV, Initiative I, being the primary focus. Theme IV, Initiative 1 states that it is VCU’s goal to:

- Achieve preeminence for our academic medical center with strategic recruitment of effective chair leadership.

**VCU 2020, Theme III, Initiative 9:
Enhance strong faculty development and mentoring programs
intended to increase and sustain faculty excellence in research,
scholarship, and creative expression...**

- The Office of Faculty Affairs has continued its efforts to provide support functions needed to meet faculty career goals in teaching and research. Activities included: a comprehensive orientation session for new faculty, 150 group and 17 individual career development consultations, 7 workshops on the integration of technology into teaching, 7 PRIME (Project Research in Medical Education) seminars, 4 WISDM (Women in Science, Dentistry, and Medicine) leadership seminars, and a variety of professional development sessions attracting almost 700 participants on the MCV and Inova Fairfax Campuses.

**VCU 2020, Theme III, Initiative 10:
Initiate strong and mutually reinforcing interdisciplinary research and**

- Similarly the Research Strategic Plan and international efforts supported the University's emphasis on interdisciplinary research and institutional collaboration.

Highlights of Accomplishments

- The School received over 6,200 applications for an entering class size of approximately 192 students, reflecting a 31 percent growth in applications since 2006.
- The School received over \$117 million in sponsored research awards for FY 2009 – a 15% increase over the prior year.
- Launched a robotic surgery program.
- Cardiac surgery's artificial heart transplant program was named one of the top 4 in the world.
- Establishment of the VCU Institute of Molecular Medicine (VIMM)
- Physical Medicine and Rehabilitation was recognized by US News & World Reports as a national top 25 program.
- Opening of the new NICU section in the new Critical Care Tower with single accommodations, evidence based design and winner of the GE "Imagination at Work" Award.
- Continued expansion of the Public Health departments with a key accomplishment of final approval for the PhD program in Social and Behavioral Health accepting the first doctoral class.
- Key Chair recruitment in Pediatrics, Neurology, Otolaryngology and Public Health Management & Policy.
- This year VCU School of Medicine exceeded the national average with 96 percent of the students matching to one of their top choices, many of

whom matched in highly competitive fields. VCU had 17 students match in Radiology, 20 in Anesthesiology and 56 in Primary Care.

- The Virginia Commonwealth University School of Medicine achieved significantly higher rankings in medical research funding over the past year moving up six positions according to data recently released by the National Institutes of Health. The NIH data showed that the VCU School of Medicine moved from No. 59 in 2007 to No. 53 for 2008, out of 126 ranked schools of medicine. The VCU School of Medicine in 2008 was awarded nearly \$63 million from the NIH for medical research, with significant funding for the following departments: Neurosurgery, Pharmacology and Toxicology, Human and Molecular Genetics, Anatomy and Neurobiology, and Internal Medicine research.
- VCU received an \$11.5 Million NIH grant for The Vaginal Microbiome and its Relevance to Disease, Genetics and the Environment study. The National Institute of Allergy and Infectious Diseases of the National Institutes of Health awarded Virginia Commonwealth University the first year of a planned, four-year project to study how microorganisms found in the vagina influence health and disease in women.

Research and Scholarly Activities

Selected Textbook Publications

- Boling, Peter ed., *The Past, Present and Future of Home Health Care*. Elsevier Saunders; 2009.
- Costanzo, L.S. *Physiology Cases and Problems*. Second Edition, Lippincott Williams and Wilkins; 2006 (now published in Chinese)
- Ellenbogen Kenneth, et al, *Pacing to Support the Failing Heart*. John Wiley & Sons, Limited; 2009.
- Faquin WE, Powers CN, Rosenthal, L Dorothy ed., *Salivary Gland Cytopathology, Essentials of Cytopathology Series*. Springer; 2008.
- Grizzard, John D., Judd, Robert M. PhD., Kim, Raymond J., *Cardiovascular MRI in Practice: A Teaching File Approach*. Springer Publishing; 2008.
- Kendler, Kenneth ed. *Philosophical Issues in Psychiatry*. Johns Hopkins University Press; 2008.
- Nixon J.V. (Ian), et al, MH Crawford ed., *The Athletes Heart Current Diagnosis and Treatment in Cardiology*,. 3rd ed, MH Crawford, Lange Medical Books/McGraw-Hill, New York: NY; (in press).
- Pellock JM, Dodson WE, Bourgeois B, Nordli DR, and Sankar R, eds. *Pediatric Epilepsy: Diagnosis and Therapy*. Third Edition. Demos Publishers; 2008.
- Schneider Robert, Levenson James, *Psychiatry Essentials in Primary Care*. American College of Physicians; 2007 (now published in Japanese).
- Strauss III, Jerome F. and Barbieri RL, eds. Yen & Jaffe's Reproductive Endocrinology 6th edition: Saunders; 2009.

Selected Scientific Findings

- Mary Ann Peberdy, M.D., Professor of Internal Medicine and Emergency Medicine was the lead author in researching the “Lower Survival Rate For In-Hospital Cardiac Arrests At Night, On Weekends.” Patients who have an in-hospital cardiac arrest at night or on the weekend have a substantially lower rate of survival to discharge than hospitalized patients who experienced a cardiac arrest during the weekday. The findings indicated that the detection and treatment of cardiac arrests may be less effective at night because of patient, hospital staffing and response factors.
- Paul B. Fisher, M.Ph., Ph.D., Professor and Chair of the Department of Human and Molecular Genetics and Director of the School of Medicine’s Institute of Molecular Medicine has published information regarding the mechanism of action of ceftriaxone, a third-generation antibiotic with neuroprotective properties. The findings suggested that this antibiotic or a similar drug may serve as a potential therapy against neurodegenerative disease caused by a build-up of glutamate, an amino acid important in nerve transmission and the synapse - the region that connects one neuron to another in the brain.
- Bruce Hillner, M.D., Professor, Department of Internal Medicine, found that clinicians changed their intended treatment decision in 36.5 percent of cases and avoided biopsy in approximately 70 percent of cases that were scheduled to undergo biopsy prior to Positron Emission Tomography (PET).
- John Reavey-Cantwell, M.D., an Endovascular Neurosurgeon and Assistant Professor and Reynolds Chair in the VCU School of Medicine’s Department of Neurosurgery, is one of only a few physicians nationwide exploring the use of a liquid embolic system to fill wide-necked brain aneurysms.
- Paul B. Fisher, M.Ph., Ph.D, Professor and Chair and Seok-Geun Lee, Ph.D., Assistant Professor in the VCU Department of Human and Molecular Genetics, were the co-lead investigators for the study that identified a gene that regulates tumors in neuroblastoma. They have identified a gene that may play a key role in regulating tumor progression in neuroblastoma, a form of cancer usually found in young children. The findings could lead to an effective therapy to inhibit the expression of this gene.
- Alex Meredith, Ph.D., Professor of Anatomy and Neurobiology, was the principal investigator studying hearing loss in adult animals and found that auditory regions of the brain convert to the sense of touch. His research team discovered that adult animals with hearing loss actually re-route the sense of touch into the hearing parts of the brain.

Selected Honors and Leadership Positions

- Antonia Abbate, M.D., Assistant Professor, Department of Internal Medicine - Cardiology Division received the Italian Society of Cardiology-Bristol Myers Squibb-Research Award.

- Jasmohan Bajaj, M.D., Assistant Professor, Department of Internal Medicine-Gastroenterology Division received the American College of Gastroenterology's Award for Excellence in Clinical Research.
- Robert Balster, Ph.D, Professor, Department of Pharmacology and Toxicology received from the College on Problems of Drug Dependence, the 2009 Nathan B. Eddy Award.
- Gary Bowlin, Ph.D., Associate Professor, Department of Biomedical Engineering received the U. S. Army Combat Casualty Care Research Program Award for Excellence.
- Lisa K. Brath, M.D., Associate Professor, Department of Internal Medicine-Pulmonary & Critical Care Medicine Division received the VCU/VCUHS Leadership in Graduate Medical Education "LGME" Award.
- Ellen L. Brock, M.D., M.P.H., Associate Professor, Department of Obstetrics & Gynecology received the School of Medicine's Women in Science, Dentistry, and Medicine Professional Achievement Award.
- Charles Chalfant, Ph.D., Associate Professor, Department of Biochemistry and Molecular Biology was appointed as a member of the Cancer Molecular Pathobiology Study Section.
- John N. Clore, M.D., Professor, Department of Internal Medicine-Endocrinology and Metabolism Division received the School of Medicine's Distinguished Mentor Award.
- Kelman Cohen, M.D., Professor Emeritus, Department of Surgery received the World Union of Wound Healing Societies' Lifetime Achievement Award.
- Paul Dent, Ph.D., Professor, Department of Biochemistry and Molecular Biology was appointed to the Editorial Board of Anti-Cancer Drugs.
- Robert Diegelman, Ph.D., Professor, Department of Biochemistry and Molecular Biology received the U. S. Army Combat Casualty Care Research Program Award for Excellence.
- Alan Dow, M.D., M.S.H.A., AND TEAM, Assistant Professor, Department of Internal Medicine, General Medicine Division received the School of Medicine's Educational Innovation Award.
- John Duval, M.B.A, CEO of MCV Hospitals was elected to the ACGME Board of Directors.
- Janet M. Eddy, M.D., Assistant Professor, Department of Family Medicine received the School of Medicine's Leonard Tow Humanism in Medicine Award which was presented by The Arnold P. Gold Foundation.
- Kenneth Ellenbogen, M.D., Professor, Department of Internal Medicine-Cardiology Division and Director of Clinical Cardiac Electrophysiology and Pacing received the Journal of the American College of Cardiology Simon Dack Award.
- Frank Fang, Ph.D., Assistant Professor of Biochemistry and Molecular Biology was named the Chair of the 44th Southeastern Regional Lipid Conference.
- Marcella Fierro, M.D., Professor Emeritus, Department of Legal Medicine received the American Academy of Forensic Sciences Milton Helpern Award.

- Robin Foster, M.D., Associate Professor and Director of Pediatric Education, Department of Pediatrics received the 2009 Annual YWCA Outstanding Women Award in Health and Sciences.
- Enrique Gerszten, M.D., Professor, Department of Pathology received the School of Medicine's Faculty Teaching Excellence Award.
- Michael Hagan, M.D., Ph.D., Professor, Department of Radiation Oncology was named the National Director of the Veterans Administration Radiation Oncology Services.
- Bruce Hillner, M.D., Professor, Department of Internal Medicine - General Medicine Division received the American Society of Clinical Oncology "Statesman Award".
- Brian J. Kaplan, M.D., Associate Professor, Department of Surgery received the VCU/VCUHS Leadership in Graduate Medical Education "LGME" Award.
- Susan G. Kornstein, M.D., Professor and Director of Clinical Research, Department of Psychiatry and Professor, Departments of Obstetrics & Gynecology and Executive Director of the Institute for Women's Health and the Mood Disorders Institute was recognized by Jewish Women International as one of their 2008 10 Women to Watch. Dr. Kornstein was also elected President of the North American Society for Psychosocial Obstetrics and Gynecology.
- Alex H. Krist, M.D., M.P.H., Assistant Professor, Department of Family Medicine and his colleagues received The Society of Teachers of Family Medicine Research Paper Award.
- Diomedes E. Logothetis, Ph.D., Professor and Chair, Department of Physiology and John D. Bower, M.D., Endowed Chair in Physiology, served on the Electrical Signaling, Ion Transport and Arrhythmias (ESTA) Study Section of the National Heart, Lung and Blood Institute.
- Thomas P. Loughran, M.D., Associate Professor, Department of Orthopaedic Surgery received the MCV Physicians Distinguished Clinician Award.
- Laurel J. Lyckholm, M.D., Associate Professor, Department of Internal Medicine- Hematology/Oncology Division received the VCU/VCUHS Leadership in Graduate Medical Education "LGME" Award.
- Ajai Malhotra, M.D., Associate Professor, Department of Surgery-Trauma, Critical Care & Emergency Surgery Division was appointed to the Virginia State Emergency Medical Services Advisory Board.
- Dennis Ohman, Ph.D., Professor and Chair, Department of Microbiology and Immunology was named as the President of the American Medical School Microbiology and Immunology Chairs Association.
- Joseph Ornato, M.D., Professor and Chair, Department of Emergency Medicine was elected to membership in the Institute of Medicine, National Academies of Science.
- John Pellock, M.D., Professor and Vice-Chair, Department of Neurology was named the Vice President of the American Epilepsy Society.
- John G. Pierce, Jr., M.D., Associate Professor, Department of Obstetrics and Gynecology received the School of Medicine's Irby-James Award for Excellence in Clinical Teaching.

- Omar Rashid, M.D., J.D., Department of Surgery was awarded the 2009 Legislative Fellowship from the Virginia General Assembly.
- Shaun Ruddy, M.D., Professor Emeritus, Department of Internal Medicine-Rheumatology, Allergy, and Immunology Division received the Presidential Gold Medal Award from the American College of Rheumatology.
- Arun Sanyal, M.D., Charles Caravati Chair and Professor, Gastroenterology, Hepatology and Nutrition Division, Department of Internal Medicine is the President-Elect for the American Association for Study of Liver Diseases and has received an Honorary Lifetime Membership in the Czech Society of Hepatology.
- Lawrence B. Schwartz, M.D., Ph.D., Professor and Chair, Rheumatology, Allergy, and Immunology Division, Department of Internal Medicine received the 2008 VCU Billy R. Martin Innovation Award.
- Curtis N. Sessler, M.D., Professor, Department of Internal Medicine - Pulmonary and Critical Care Medicine Division and team received the School of Medicine's Educational Innovation Award.
- Mitchell Shiffman, M.D., Professor, Department of Internal Medicine - Gastroenterology, Hepatology, and Nutrition Division was named to the American College of Gastroenterology Board of Trustees.
- Alphonse E. Sirica, Ph.D., M.S., Professor and Chair, Cellular and Molecular Pathogenesis Division, Department of Pathology, was named as a Fellow of the American Gastroenterological Association.
- Thomas J. Smith, M.D., F.A.C.P., Professor, Department of Internal Medicine – Hematology/Oncology Division received the American Society of Clinical Oncology's "Statesman" Award, was appointed Massey Endowed Chair in Palliative Care Research (MCC), and is the Research Committee Chair of the American Association of Hospice and Palliative Medicine .
- Sarah Spiegel, Ph.D., Professor and Chair, Department of Biochemistry and Molecular Biology was appointed the Mann T. And Sara D. Lowry Distinguished Professorship in Oncology and was named as Fellow of American Association for the Advancement of Science. She received the Ernst and Gerta Scharrer 2008 Medal and the ASBMB Avanti Award in Lipids.
- Jerome F. Strauss, III, M.D., Ph.D., Dean, School of Medicine and Professor, Department of Obstetrics and Gynecology received the Rector's Medal from the University of Chile. Dr. Strauss was also elected to the Board of Directors, Medical Society of Virginia and appointed to the NIH External Clinical Advisory Council of the National Institute of Environmental Health Sciences.
- William Walker, M.D., Associate Professor, Department of Physical Medicine and Rehabilitation Ernst and Helga Prosser Professorship in Physical Medicine and Rehabilitation received the NIDRR Traumatic Brain Injury Model Systems' Rosenthal Biannual Award for Best Paper.
- Kevin Ward, M.D., Associate Professor, Department of Emergency Medicine received the U. S. Army Combat Casualty Care Research Program Award for Excellence.

- Richard P. Wenzel, M.D., MSc., Professor and Chair, Department of Internal Medicine was appointed the U.S. Department of Veterans Affairs National Research Advisory Council Chair.
- Raphael Witorsch, Ph.D., Professor, Department of Physiology and Biophysics was appointed to the Allocation Committee of the Jeffress and Gwathmey Memorial Trusts within the Virginia Academy of Science.
- Allen Yee, M.D., Assistant Professor, Department of Emergency Medicine received the Virginia Governor's Award for Outstanding EMS Physician 2008.

Selected Editorial Positions

- Robert Balster, Ph.D., Professor of Pharmacology and Toxicology, Editor-in-Chief of Drug and Alcohol Dependence.
- Harry D. Bear, M.D., Professor of Surgery, Section Editor for Journal of Surgical Oncology.
- Darlene Brunzell, Ph.D., Assistant Professor of Pharmacology and Toxicology, Associate Editor of Nicotine & Tobacco Research.
- Ted Chung, M.D., Ph.D., Associate Professor of Radiation Oncology, Section Editor UpToDate.
- Paul Dent, Ph.D., Professor of Biochemistry, Associate Editor of Cancer Biology and Therapy, Associate Editor of Molecular Pharmacology, Assistant Editor of The Journal of Biological Chemistry, and Editor of Anti-Cancer Drugs.
- Paul B. Fisher, M.Ph., Ph.D., Professor and Chair of Human and Molecular Genetics, Associate Editor for Cancer Research.
- Betty A. Forbes, Ph.D., Professor of Pathology, Co-Editor of Clinical Microbiology Newsletter.
- William J. Fribley, Ph.D., Professor of Pathology, Principal Editor of Cancer Cytopathology.
- Steven Grant, M.D., Professor of Medicine, Associate Editor of Cancer Research, and Associate Editor of Molecular Pharmacology.
- William M. Grogan, Ph.D., Professor of Biochemistry, Associate Editor of Lipids.
- Stephen A. Gudas, Ph.D., Associate Professor of Anatomy and Neurobiology, Editor of Rehabilitation Oncology.
- Rao Ivatury, M.D., Professor and Division Head, Department of Surgery, Trauma/Critical Care and Emergency Surgery, Associate Editor of New Surgery, Associate Editor of Pan-American Journal of Trauma, Section Editor for Translational Research for the Journal of Emergencies, Trauma and Shock.
- William Jiranek, M.D., Associate Professor of Orthopaedic Surgery, Section Editor of Orthopaedic Knowledge Online.
- Kenneth S Kendler, M.D., Professor of Psychiatry, Editor of Psychological Medicine.
- Wendy Klein, M.D., Emeriti Faculty of Internal Medicine, Deputy Editor of Journal of Women's Health.

- Pamela Knapp, Ph.D., Professor of Anatomy and Neurobiology, Associate Editor of Neuroscience Letters.
- Susan G. Kornstein, M.D., Professor of Psychiatry, Editor-in-Chief of Journal of Women's Health.
- Jeffrey S. Kreutzer, Ph.D., Professor of Physical Medicine and Rehabilitation, Joint Editor of Brain Injury and Editor of NeuroRehabilitation.
- Anton Kuzel, M.D., Professor and Chair of Family Medicine, Associate Editor of Qualitative Health Research.
- James Levenson, M.D., Professor of Psychiatry, Deputy Editor of Psychosomatics.
- Francine Marciano-Cabral, Ph.D., Professor of Microbiology and Immunology, Associate Editor of Journal of Eukaryotic Microbiology
- Richard T. Marconi, Ph.D., Professor of Microbiology and Immunology, Editor of FEMS Immunology and Medical Microbiology.
- Paul Mazmanian, Ph.D., Associate Dean for Evaluation Studies, Editor of Journal of Continuing Education in the Health Professions.
- Richard A. McPherson, Ph.D., Professor of Pathology, Editor of Journal of Clinical Laboratory Analysis.
- Ronald Merrell, M.D., Professor of Surgery, Editor-in-Chief of Telemedicine and e-Health, the Journal of the American Telemedicine Association.
- Greg Miller, Ph.D., Professor of Pathology, Associate Editor of Clinical Chemistry.
- Julia R. Nunley, M.D., Professor of Dermatology, Managing Editor for the dermatology articles of eMedicine.
- Joseph P. Ornato, M.D., Professor of Emergency Medicine, American Editor of Resuscitation.
- Donald Oswald, M.D., Professor of Psychiatry, Associate Editor of Journal of Child and Family Studies, Consulting Editor of Focus on Autism and Other Developmental Disabilities.
- W. Michael Pandak, M.D., Professor of Internal Medicine, Associate Editor for Metabolism.
- John Povlishock, Ph.D., Professor and Chair of Anatomy and Neurobiology, Editor-in-Chief of Journal of Neurotrauma.
- Celeste N. Powers, M.D., Ph.D., Professor of Pathology, Associate Editor of Cancer Cytopathology (section journal of Cancer).
- Mitch Schubert, M.D., Professor of Internal Medicine, Section Editor of Current Opinion in Gastroenterology.
- Curtis N. Sessler, M.D., Professor of Internal Medicine, Section Editor for 'Contemporary Reviews in Critical Care Medicine' in the journal Chest.
- Jerome F. Strauss, III, M.D., Ph.D., Dean, School of Medicine and Professor, Department of Obstetrics and Gynecology, Editor of Steroids, Associate Editor of Molecular Human Reproduction, Board of Reviewing

Editors, Science, Special Advisory Board of Journal of Reproduction and Development.

- Paul Wehman, Ph.D., Professor of Physical Medicine and Rehabilitation, Editor-in-Chief of Journal of Vocational Rehabilitation.
- Richard P. Wenzel, M.D., MSc., Professor and Chair of Internal Medicine, Editor-at-Large of The New England Journal of Medicine.
- Jeffrey F. Williamson, Ph.D., Professor of Radiation Oncology, Associate Senior Editor for physics with the International Journal of Radiation Oncology Biology Physics.
- Steven H. Woolf, M.D., Professor of Family Medicine, Epidemiology and Community Health, Associate Editor for science for the American Journal of Preventive Medicine.

Public/Community Service Activities

- The mission of the International/Inner City/Rural Preceptorship program at the Virginia Commonwealth University School of Medicine (VCU SOM) is to increase the number of primary care physicians practicing in rural and urban underserved areas. The ICRP program strives to meet this mission by better preparing student doctors for service of the medically underserved according to the program goals and objectives.
- Thousands of people from remote areas of Southwestern Virginia and neighboring states are provided free health care during the RAM Clinic event each year. Hundreds of volunteers including physicians, nurses, dentists, pharmacists, radiologists, respiratory therapists, lab technicians and students go to Southwestern Virginia for three days to offer free medical services to an estimated 6,000 people at the Virginia-Kentucky Fairgrounds in Wise, Virginia. The attendance at this event is one of the nation's largest public health outreach efforts illustrating the lack of medical care for thousands of people, particularly those in rural communities.
- The School's students participate in the CARITAS (Congregations Around Richmond involved to Assure Shelter) Clinic, which is a portable, student-led clinic that provides basic health screenings for the CARITAS "guests." Included in these screenings are blood pressure, vital signs, cholesterol and glucose screenings, pulmonary function testing and BMI measurements with a patient-education focus.
- The VCU School of Medicine is the only medical school in the country which has its own Center for Human-Animal Interaction (CHAI). The center brings together faculty members and administrators from various disciplines to provide students with a wide range of educational opportunities. CHAI offers a M4 elective, psychiatric residencies, student practicums, internships and volunteer opportunities to medical students, while students from the Monroe Park campus may work at the center as volunteers or as work-study employees.

- Sponsored Project ACEe (Academic, Career and Educational experiences) is a program designed to expose disadvantaged high school students to the medical profession by providing them with workshops and mentoring opportunities in the Richmond Metro area.
- Women in Science (WIS), is a graduate student organization, conducts an annual Girl Scout Science Career Day partnering with Regional Girl Scout Association and local middle schools.
- Plastic Surgeon, Dr. Jennifer Rhodes, coordinates a quarterly event called "Girl's Night Out" which is a night designed to boost the self-esteem and self-confidence of teenage girl's with facial differences. The Center for Cleft and Craniofacial Care received a grant and generous support from a local salon.

International Activities

- The School of Medicine offers medical students unique experiential learning opportunities through programs like the Honduras Outreach Medical Brigada Relief Effort (HOMBRE). Each year a small group of first-year medical students are selected to work alongside VCU faculty providing medical services and healthcare education to underserved, rural populations in Honduras. HOMBRE team members work in healthcare clinics or on public health projects geared to improve villagers' quality of life.
- Richard P. Wenzel, MD, MSc, Professor and Chair of Internal Medicine, during the height of the Mexican H1N1 Swine Influenza epidemic, Dr. Wenzel was invited to the Institution of Mexican Health Minority in Mexico City to review their policies and procedures, the infection control activities and visit the patients in critical care units. Related to the visit, CBS did a one-hour TV documentary, "The Anatomy of a Pandemic", which aired on the Discovery Health Channel and the Science Channel. Dr. Wenzel was also featured in an article describing his clinical impressions in the New York Times.
- John Nestler M.D., is the Principal Investigator and Program Director for VCU's Fogarty International program, which involves bringing junior scientists from South America to VCU for research training in reproductive biology and medicine. This past year the trainee was from the University of Mexico, and was awarded first prize at VCU's Women's Health Research Day symposium. The "sister" institution on the Fogarty grant is the University of Chile in Santiago, Chile
- Division of Pediatric Cardiology involvement and partnership with the International Hospital for Children (5th year). Teams of physicians:
 - Provide care/education in country as well as provide care at VCU for prioritized cases seen in partner countries.
 - Establish self-sustaining pediatric cardiac surgical program in Dominican Republic.

- Establish telemedicine center in Pediatric ICU at Milton Cato Hospital on St. Vincent where patient care (outpatient and inpatient assessments, pre-operative and post-operative evaluations, echocardiograms, intra-operative consultations).
- Handle ongoing Rheumatic Fever Prevention/Strep Surveillance Project progressing on St. Vincent with education and public awareness programs in conjunction with Ministries of Health and Education of St. Vincent, WINDREF (Grenada), and Rockefeller University.
- David Lanning, M.D., Ph.D. Assistant Professor, Division of Pediatric Surgery, spent a week in January 2009 in St. Vincent and the Grenadines doing a pediatric surgery mission trip. He and his group saw 44 consults and operated on 14 children during the week.
- David Lanning, M.D. Ph.D., Assistant Professor, Division of Pediatric Surgery, and Claudio Oiticica, M.D., Associate Professor of Surgery and Pediatrics cared for 9 children over the past 12 months from other countries that have been brought to Richmond for surgery through the International Hospital for Children. These children required complex operations that could not be done by the surgeons in their home countries.
- A unique “triple-badge” Masters program in Addiction Studies was approved for Fall 2009 admissions. The program was completely on-line and partnered VCU with King’s College (London, U.K.) along with the University of Adelaide, Australia.
- The School continued its partnership with the University of the West of England, coordinating visits by delegations to VCU and to UWE. As a result of these efforts, the program has created multiple mutually approved semester/academic year didactic training experiences to expand student opportunities. Both VCU and (for the first time) UWE undergraduates visited each other’s institution for the 2008-2009 academic year. Anticipated expansion to additional areas of education along with opportunities for collaborative research are being explored in additional areas, including Forensic Science, Biology, the Arts, Chemistry, Criminology, English, Education, Environmental Science, Geography/Urban Studies, History, Nursing, Philosophy, Political Science, Public Health, Social Work and Sociology.

Important Challenges

- Meeting the timeline for the demolition of A.D. Williams
- Relocating the Departments of Public Health to One Capitol Square
- Identifying permanent space options for occupants currently in leased space
- Increasing financial aid to reduce student dependency on loans

- Increasing development activity for the new School of Medicine building, creating new endowed positions and supporting academic programs
- Sustaining growth in sponsored research programs
- Future budget reductions

Objectives for 2009-2010

- 1. Increase the talent pool for medicine and science**
 - A. Launch new certificate program for pre-medicine/health science/science careers with optional Masters degree
 - B. Integrate pipeline training programs including those for under-represented populations, especially summer internship programs
 - C. Increase training grant portfolio
- 2. Undergraduate medical education curriculum renewal**
 - A. Finish curriculum planning
 - B. Re-structure Curriculum Council to meet the needs of new curriculum implementation and evaluation
 - C. Increase the integration of simulation into the curriculum, particularly in the Foundations of Clinical Medicine, as modules are added to the Center on Human Simulation and Patient Safety
 - D. Introduce new 4-year career counseling program
 - E. Redefine School of Medicine educational objectives in terms of the ACGME core competencies
 - F. Introduce educational testing to matriculating students to help them assess learning styles, areas of strength and weaknesses and ability to be active and self-directed learners
 - G. Restructure evaluation tools of educators and learners to reflect Stanford Core Competencies in teaching, active and self-directed learning, and evidenced-based teaching
 - H. Introduce peer assessment of students working in groups to identify progress as an adult learners and for early identification of problems related to working within a learning team
- 3. Graduate training evaluation and rejuvenation**
 - A. Complete overall review of biomedical training programs in the School of Medicine
 - B. Launch “undifferentiated” track in Ph.D. programs
 - C. Inaugurate new Ph.D. program in Social & Behavioral Health
 - D. Submit Medical Scientist Training Program grant
 - E. Increase NIH individual fellowship awards
- 4. Develop strategic goals for graduate medical education**

- A. Initiate comprehensive review of GME programs
 - B. Maintain full accreditation of all residency and fellowship programs
- 5. Advance multidisciplinary and translational research**
- A. Increase NIH funding by 7.5% over FY09
 - B. Obtain CTSA grant award
 - C. Compete for ARRA comparative effectiveness research grants
 - D. Address high performance computing and informatics needs
 - E. Assist in the recruitment of a Director of the Institute for Structural Biology and build out the human capital and facilities to create a high quality enterprise that meets the broad needs of the research community
 - F. Support through targeted recruitments the up-coming competing renewal of the Massey Cancer Center Core grant
 - G. Launch the VCU Parkinson's Disease Research Center
- 6. Develop programs of excellence in key diseases areas**
- A. Establish a center of excellence in genitourinary cancers
 - B. Establish a center of excellence in Parkinson's disease and movement disorders
 - C. Rejuvenate the women's health program at Stony Point and create a center of excellence in high risk pregnancy
 - D. Add faculty in medical oncology with expertise in solid tumors
 - E. Assist VAMC in launching an emergency medicine program
- 7. Continuing professional education**
- A. Implement re-organization of continuing medical education programs under UHS, Inc.
 - B. Recruit Associate Dean for Professional Education Programs and Outreach Director, University Health Services, Inc. – Professional Education Programs.
- 8. Administrative goals**
- A. Recruit Chair of Internal Medicine
 - B. Recruit Chair of Obstetrics & Gynecology
 - C. Implement new policies on industry relationships
 - D. Respond to IT Audit
 - E. Implement new compensation plan for clinical departments
- 9. Facilities**
- A. Complete design of the new School of Medicine building
 - B. Renovate Sanger 7 research space for cardiovascular research
 - C. Submit/obtain NIH construction grants for Sanger 7 phase II, Sanger 4 and renovation of the Imaging Core on Sanger 9
 - D. Decant A.D. Williams' Building

E. Move Emerging School of Public Health Departments to consolidated space

10. Development campaign for the School of Medicine building

- A. Obtain lead gifts from alumni for the construction of the new School of Medicine building (\$5-10 million)
- B. Submit application for support for construction to the Claude Moore Foundation (\$5 million)
- C. Launch alumni campaign for the School of Medicine building and endowed positions/student financial aid