Please join me in applauding the Class of 2009. As I reflect upon the many accomplishments of this class, I feel confident that we will be hearing more about its members in the years ahead.

This year, we launched a new graduation tradition that I found particularly gratifying – combining the graduation banquets and inviting alumni to join students, faculty, and staff at our celebration. I was pleased to see alumni interacting with new graduates and look forward to what I hope will become a growing tradition.

With a new school year just around the corner, there is much to accomplish. We are looking forward to new developments in education as we prepare for an upcoming accreditation visit by the Liaison Committee on Medical Education. We will welcome the incoming Class of 2013 at Orientation in August.

You will be reading more about these events in future issues of this newsletter. Meanwhile, have a great summer!

Peter S. Amenta, MD, PhD
Dean
Khachadurian Laboratory Opens with Special Guest Lecture

The Avedis and Laura Khachadurian Laboratory for Metabolic Research celebrated its grand opening with a special guest lecture, “Hypercholesterolemia and CHD: Past, Present, Future,” on April 15. The lecture was given by Antonio M. Gotto, Jr., MD, DPhil, professor of medicine and Stephen and Suzanne Weiss dean of the Weill Cornell Medical College.

The state-of-the-art lab, named in recognition of Dr. Khachadurian’s contributions as a scientist, physician, and educator, as well as Mrs. Khachadurian’s many contributions toward her husband’s success, was made possible by the gifts of many donors, with major support from Joseph and Marguerite DiSepio.

“The Foundation of UMDNJ thanks Mr. and Mrs. DiSepio and all those who contributed to this new lab to make it a reality,” said James M. Golubieski, president of the Foundation. “Through their generosity, Dr. Khachadurian’s research will advance even further to help alter how we diagnose and treat cardiovascular disease.”

Avedis Khachadurian, MD, emeritus professor of medicine, was the founding chief of the Division of Endocrinology, Metabolism and Nutrition, holding that position from 1973 until 2002. His groundbreaking research defined the clinical and genetic transmission of the disorder known as familial hypercholesterolemia, characterized by high levels of low-density lipoprotein or LDL, which is considered the “bad cholesterol.” Dr. Khachadurian discovered the disorder was a result of a defect in the regulation of cholesterol synthesis by serum lipoproteins. His seminal observations spurred further discoveries, leading ultimately to the discovery of statins and their significant effects in altering the course of cardiovascular disease.

A Focus on South Asian Total Health

New Jersey’s South Asian community leaders helped launch the South Asian Total Health Initiative (SATHI). SATHI is aimed at eliminating healthcare disparities by establishing a centralized location for research on the health of South Asians in the state and enhancing the delivery of culturally competent healthcare services. Guests at the recent launch event included Heather Howard, JD, commissioner of the New Jersey Department of Health and Senior Services.

The program was developed under the leadership of Sunandra Gaur, MBBS, professor of pediatrics, and Naveen Mehrotra, MD, associate clinical professor of pediatrics, in collaboration with Robert C. Like, MD, professor of family medicine and director of the Center for Healthy Families and Cultural Diversity. Other advisory board members are Poonam Alagh, MD, professor of family medicine; Geetha Ghai, MD, associate professor of pediatrics; Jigna Rao, director of Drumthwacket, the official residence of the Governor of New Jersey; and New Jersey Assemblyman Upendra Chivukula.

RHEDI Program Recognized by Planned Parenthood

The Reproductive Health and Education in Family Medicine (RHEDI) program was recognized by the National Planned Parenthood Federation for the quality of its clinical training, receiving the 2009 Excellence Award in March.

The program provides training in women’s reproductive services for learners from throughout the school, particularly from family medicine and obstetrics, gynecology, and reproductive sciences. Justine Wu, MD, clinical assistant professor of family medicine, is director of the nationally recognized program.

Save the Date...

- **August 7:** White Coat Ceremony
  2:00 PM • RWJUH Courtyard

- **August 12:** Competition of the Classes
  4:00 PM • Livingston Recreation Center Fields
  • Rutgers University

- **August 17:** Children’s Health
  11th Annual Golf Outing
  • Tee Time: 12:30 PM • Jasna Polana • Princeton
  • Sponsorships available starting at $500 to benefit CHINJ and Bristol-Myers Squibb Children’s Hospital at RWJUH
  • Contact: Denise Galava, Foundation of UMDNJ, dgavala@njhf.org

- **October 10:** Gala Alumni Reunion Dinner Dance
  • 6:30 PM • Hilton East Brunswick
  • Contact: Roberta Ribner, ribners@umdnj.edu
Corporation Donates Advanced Ureteroscopic Equipment

The German-based Karl Storz Company donated two sophisticated ureoscopes to the Division of Urology, which will be used to diagnose patients with problems involving the ureters, which are the muscular ducts that propel urine from the kidneys to the urinary bladder.

Problems that can be diagnosed using this advanced technology include stones, strictures, and tumors, according to Joseph Barone, MD ‘87, associate professor of surgery and chief of urology. “This generous donation will facilitate our ongoing clinical mission to deliver the highest quality urological care for our adult and pediatric patients,” said Dr. Barone.

He noted that the small size and improved optics of the new scopes benefit patients by making the procedure less traumatic, which can minimize morbidity and speed recovery.

Two faculty members received mentoring awards, having been nominated by their students and selected by the awards committee:

- Norman H. Edelman Clinical Science Mentoring Award: Suhayl Dhib-Jalbout, MD, professor and chair, Department of Neurology
- R. Walter Schlesinger Basic Science Mentoring Award: John Lenard, PhD, professor of physiology and biophysics

New Degree Program at Forefront of Translational Research

Students and professionals wishing to expand career opportunities in science and medicine can take advantage of a new advanced degree program recently introduced by the UMDNJ-Graduate School of Biomedical Sciences at RWJMS. The Master’s in Clinical and Translational Science degree will be offered this fall, providing innovative training for doctors, nurses, pharmacists, dentists, and research scientists, as well as others who want to learn the complexities of translational research and better understand how research is transformed into clinical diagnoses and treatments to improve patient care.

“This degree will enhance a professional’s employment value and strengthen his or her opportunities for career advancement,” said Terri Goss Kinzy, PhD, associate dean, UMDNJ-Graduate School of Biomedical Sciences at RWJMS.

A relatively new discipline, translational research integrates basic science and medicine to diagnose and treat patients while simultaneously focusing on improving health care delivery and outcomes. In many respects, this generation of scientists essentially works at the crossroads of research and practice. Translational research often takes information from the laboratory bench and applies it to the patient bedside in order to address common disease problems.

Hospital Celebrates 125 Years of Continuous Service and Growth

The New Brunswick hospital now known as Robert Wood Johnson University Hospital (RWJUH) is celebrating 125 years of healthcare service. Opened in 1884, the small community hospital’s name changed in 1917 from John Wells Memorial Hospital to Middlesex General Hospital. A dramatic expansion took place in 1973, with the dedication of the $10 million, state-of-the-art Robert Wood Johnson Tower.

Today, RWJUH is a national leader in academic medicine, providing residents of New Jersey and the region with world-class cardiac, cancer, and women’s and children’s care.

Dr. Parvin Saidi

With sadness, we report the April 22 death of Dr. Parvin Saidi, MD, professor and chief of hematology and oncology. Dr. Saidi joined Rutgers Medical School in 1968 and was named professor and appointed director of the Melvyn H. Motolinsky Laboratory for Hematology Research in 1974. She was the first to hold the Melvyn and Ab Motolinsky Chair in Hematology.

Recognized internationally for her work, she garnered nearly $19 million in hematology/oncology research grants and earned numerous awards, including the Foundation of UMDNJ Excellence in Teaching Award and the 2006 Physician of the Year award from the National Hemophilia Foundation. She also chaired the New Jersey Governor’s Task Force on Women with Bleeding Disorders and served on the Governor’s Advisory Council on AIDS.

Surviving are her husband, A. Verdi Farmanfarmaian, PhD, emeritus professor of physiology at Rutgers University, and daughters Dellara Terry, MD ’95, and Kimya Harris, PhD.
RWJMS Celebrates Publication Awards

The UMDNJ-Robert Wood Johnson Medical School-Robert Wood Johnson University Hospital 2007 Annual Report and Robert Wood Johnson Medicine magazine received several awards for excellence:

- A gold award from the 2009 Aster Awards: Excellence in Medical Marketing for the annual report
- A silver award in the 26th annual Healthcare Marketing Advertising Awards Competition for the annual report
- A bronze award in the same competition for the Spring 2008 issue of the magazine

APPOINTMENTS

Interim Senior Associate Dean Named for Camden

Carol A. Terregino, MD ‘86, associate professor of medicine and associate dean for admissions, was appointed interim senior associate dean of the Camden campus, pending approval of the UMDNJ Board of Trustees.

“I am confident that her experience and leadership will be invaluable in assuring the continued excellence of our educational programs at our regional campus” said Peter S. Amenta, MD, PhD, dean.

A graduate of RWJMS, Dr. Terregino completed a residency in internal medicine and a fellowship in general internal medicine and emergency medicine at the Hospital of the University of Pennsylvania. Arriving at RWJMS in 1991, she has held academic positions in the departments of medicine, surgery, and emergency medicine. She was appointed assistant dean for admissions in 1999, associate dean for admissions in 2005, and interim associate dean for academic and student affairs, Camden, in 2007.

KUDOS

Thomas Newmark, MD, professor of psychiatry, and chief, Department of Psychiatry at Cooper University Hospital, was selected president of the International Society of Sport Psychiatry.


Patricia Hansen, MA, director, communications and public affairs, moderated a session, “Communicating Across the Miles: Strategies in an Age of Geographic Dispersion,” at the Association of American Medical Colleges Group on Institutional Advancement Conference in New Orleans in March.

John Heath, MD, associate professor of family medicine and director of the geriatrics fellowship at the Center for Healthy Aging at Parker Stonegate, was selected program chair for the annual national meeting of the American Geriatrics Society.

Stephen F. Lowry, MD, professor and chair, Department of Surgery, and senior associate dean for education, will serve as chairperson of the Surgery, Anesthesiology and Trauma Study Section, Center for Scientific Review, National Institutes of Health, for the term July 1, 2009 to June 30, 2010.

Edward C. Viner, MD, professor of medicine, is leaving an important legacy after serving nearly ten years as chief of medicine at Cooper University Hospital in Camden: an intensive care unit bearing his name, which is part of a newly built ten-story, $220 million hospital addition completed in December.

Carol A. Terregino, MD, associate professor of medicine, associate dean for admissions, and interim senior associate dean for the Camden campus, and Siobhan A. Corbett, MD, associate professor of surgery and chair, Curriculum Committee, were selected to attend the Harvard Macy Institute’s Program for Leading Innovations in Healthcare and Education in June.

Alfred F. Tallia, MD ’78, MPH, professor and chair, Department of Family Medicine, and Jeffrey Brenner, MD ’95, instructor of family medicine, were featured speakers at a “Summit on Primary Care,” sponsored by the New Jersey Health Care Quality Institute, the New Jersey Council of Teaching Hospitals, and the New Jersey State Nurses Association in May.

Nine emergency medicine faculty members presented abstracts at the Mid-Atlantic regional meeting of the Society for Academic Emergency Medicine in March. Awards were presented to Rajiv Arya, MD, assistant professor, for best presentation at the plenary session, and to Andreia Marques Baptista, MD, assistant professor, for best oral presentation.

Paul J. Lioy, PhD, professor of environmental and occupational medicine, was presented with the National Society of the Daughters of the American Revolution Conservation Medal by its Crane’s Ford chapter, based in Dr. Lioy’s hometown of Cranford. The award recognizes his outstanding achievement in promoting environmental awareness and distinguished leadership in the education profession.

The Ellison Medical Foundation awarded its New Scholar Award in Aging to Chi-Wei Lu, PhD, assistant professor of obstetrics, gynecology, and reproductive science, and director, Human Embryonic Stem Cell Core Facility. The competitive award provides $100,000 per year for four years to support newly independent investigators beginning research after postdoctoral training.

Denise V. Rodgers, MD, professor of family medicine, and executive vice president and provost, UMDNJ, received the prestigious Society of Teachers of Family Medicine Recognition Award at their annual meeting in May. The prestigious award recognizes outstanding service to family medicine. In receiving this national honor, Dr. Rodgers’ long service to medical education and healthcare advocacy for the poor was noted.

Gregory L. Borah, MD, professor of surgery, was elected president of the New Jersey Society of Plastic Surgeons.
Researchers Progress Toward AIDS Vaccine

A husband-and-wife research team and their colleagues may have found a crack in the armor of the mighty AIDS virus — and with it the possibility of developing a routine HIV vaccine. The discovery was made by Gail Ferstandig Arnold, PhD, principal investigator, Center for Advanced Biotechnology and Medicine (CABM), and research professor, Department of Chemistry and Chemical Biology, Rutgers University; and Edward Arnold, PhD, adjunct professor of molecular genetics, microbiology, and immunology; resident member, CABM, and professor of chemistry and chemical biology, Rutgers University — along with a team of CABM researchers.

The Arnolds’ research was supported, largely, by a four-year grant from the National Institute of Allergy and Infectious Diseases-National Institutes of Health. It was first reported in the Journal of Virology in March.

The researchers identified a part of the AIDS virus critical to its survival; which, if threatened by a potent vaccine, could potentially be destroyed. They discovered this so-called “Achilles’ Heel” by fastening a portion of the human immune deficiency virus (HIV) — which helps the disease enter cells — to the surface of a common cold virus, using the resulting product to immunize lab animals.

The animals responded by creating antibodies able to stop a wide array of HIV types. This was important because prior vaccinations have proven effective only against limited HIV types.

Dr. Eddy Arnold describes the discovery as a “proof of principle,” but still an early first step in developing a potent vaccine.

Study Offers Hope for Host of Neurodegeneration Diseases

Researchers at RWJMS are a step closer to determining how to protect human cells from the effects of age-related neurodegeneration, which includes Alzheimer’s and Parkinson’s diseases. Their research also provides a foundation for developing therapies for disorders including multiple sclerosis and cardiovascular disease.

Their findings, published in Nature Neuroscience, link the oxidation of potassium channels — which control a variety of cell functions and are essential to neuronal function — to the loss of neuronal function in aging. The study also found that the oxidation process can be blocked by modifying the potassium channel, making it resistant to age-related deterioration.

The study was conducted by Federico Sesti, PhD, associate professor of physiology and biophysics, and Shi-Qing Cai, PhD, research associate. Their research was supported by a National Institutes of Health grant.

Certified ‘Heart Electricians’ Should Implant ICDs, Says Cardiologist

To minimize the risk of complications, implantable cardioverter defibrillators (ICDs) should be implanted by board-certified electrophysiologists, says James Coromilas, MD, professor and chief of cardiovascular diseases and hypertension. His views on physician credentials and ICD implantation appeared in the Journal of the American Medical Association in April.

His editorial comments focused on a new study that found overall complications rates from registered ICD implantations lowest for electrophysiologists, or “heart electricians,” and highest for thoracic surgeons. The study used data reported to the National ICD Registry to evaluate four groups of physicians who performed ICD implantations: electrophysiologists with board certification, nonelectrophysiologists with cardiovascular board certification, board-certified thoracic surgeons, and other specialists who have never been certified or who allowed their board certification to lapse.

Treat Tobacco Dependence as Chronic Illness, Say Researchers

Tobacco dependence kills more people than many classic medical diseases and should be considered a chronic illness, much as asthma, depression, and diabetes are, say researchers from RWJMS and the UMDNJ-School of Public Health’s Tobacco Dependence Program.

In the Annals of Internal Medicine (April 1), the researchers wrote that the chronic, relapsing nature of tobacco dependence and structural and functional changes in the brain caused by smoking should prompt healthcare and insurance providers to treat tobacco dependence as an illness requiring effective, often long-term treatment.

The lead author was Michael Steinberg, MD, MPH, associate professor of medicine, and medical director of the Tobacco Dependence Program. The article urges healthcare and insurance providers to be open minded about patients who may need longer treatment to shed the smoking habit, and promotes individualized treatment plans.
International Team Discovers Role of Calcium in Cell Growth and Disorders

A n international research team has solved the mystery of how calcium is released into the body. Their study, reported in Nature in April, identified the mechanism that triggers the release of calcium, as well as the specific sites of calcium stores targeted for release. It may have broad implications in cell biology and human disease research.

The researchers identified a new family of proteins, TPC2 (two-pore channels), that facilitates calcium signaling from structures within cells that perform a special function. They also are the first to isolate TPC2 as a channel that binds to a second-signaling messenger known as NAADP, which results in the release of calcium from intracellular stores.

Calcium may prove to play a role in human disease, according to Jianjie Ma, PhD, professor of physiology and biophysics. “We are proud to be part of a study that will stand as the foundation for further exploration of calcium, as well as the specifics of calcium stores the metastasis of cells in cancer,” Dr. Ma said.

Zui Pan, PhD, assistant professor of physiology and biophysics, contributed to the research.

New Degree Program at Forefront of Translational Research

— Continued from Page 3

biomedical investigations with clinical applications, accelerating medical research to improve healthcare delivery. The progressive degree, the first of its kind in New Jersey, was developed to complement the goals of the National Institutes of Health “Roadmap” for medical research, designating clinical and translational science as a major initiative.

Camden Pilot Program Helps Divert Costly Trips to the Emergency Department

Unnecessary trips to a hospital’s emergency department (ED) are extremely costly and strain already overcrowded facilities. Yet to a large segment of Camden’s population, lack of funds and insufficient knowledge make the ED their choice of first resort for healthcare.

Camden-based family practitioner Jeffery Brenner, MD ’95, instructor of family medicine, is leading a pilot to reduce ED visits by those so-called “super users.” The program, coordinated by the Camden Coalition of Healthcare Providers, is funded by the Robert Wood Johnson Foundation.

Dr. Brenner’s team, comprising a nurse practitioner, social worker, and community health worker, has intervened in the lives of 35 patients responsible for racking up ED medical charges of $1.2 million a month. By offering them focused care, positive results are already showing, with their average number of monthly ED visits shrinking from 61 to 37 and total hospital charges reduced to $531,000 so far. The pilot costs about $300,000 a year to run, but the savings gained by hospitals and federal programs like Medicaid and Medicare more than validate that expense, says Dr. Brenner.

Education Highlights

Chrisovalantis Lakhiani ’12 is the 2009 recipient of the Alpha Omega Alpha Carolyn L. Kuckein Student Research Fellowship. This provides $5,000 in summer-term support for clinical investigation, basic laboratory research, epidemiology or social science/health services research, plus $1,000 toward travel expenses to present research at a national meeting.

Abha Gupta ’10 published an article in the April issue of the American Academy of Pediatrics Medical Student Newsletter about the Pediatric Health Outreach Project, which serves Camden families. She is director of the student-run, free pediatric clinic.

Raymond Mirasol ’11 was accepted into the Howard Hughes Medical Institute-National Institutes of Health (NIH) Research Scholars Program. He is one of 42 medical, dental, and veterinary students chosen for the year-long program at the NIH campus in Bethesda.

Thomas McCann ’11 is one of 30 students selected by the National Institutes of Health (NIH) for its 2009-2010 Clinical Research Training Program. The 12-month educational experience begins in July.

The National Institute of General Medical Sciences (NIGMS), one of the National Institutes of Health, is providing $2 million to RWJMS to cover direct costs over four years for a program to increase underrepresented minority students engaged in biomedical and behavioral research as they pursue a PhD. It will support up to 12 PhD candidates. Significantly larger than in previous years, the grant reflects a funding relationship spanning 13 years between the NIGMS and Michael J. Leibowitz, MD, PhD, professor of molecular genetics, microbiology, and immunology, and director of graduate academic diversity at the UMDNJ-Graduate School of Basic Sciences at RWJMS.

Second-year student Amy Ondeyka ’11 received a grant from the Society of Academic Emergency Medicine to support the Emergency Resuscitation Challenge, a competition-style event for 40 second-year medical students, which Amy coordinated with faculty and staff from the Department of Emergency Medicine. She was one of five students nationally to receive a grant this year from the society, which recognizes the valuable role of emergency medicine student groups and supports their educational activities.

Meghan Prin ’11 has been awarded a Doris Duke International Fellowship through Yale University to work on HIV/AIDS in Ghana. Her interest in HIV/AIDS extends to work she has done with children over the past two years, through the Division of Pediatrics, to develop a collection of stories and drawings documenting their own experiences with HIV.