

HIGHLIGHTS



Grace Lu-Yao, PhD, MPH

JULY

SN establishes new Master's programs in Nursing Education and Community Health Nursing, and graduates its first class from its new Doctor of Nursing Practice (DNP) program. The DNP degree was awarded to 21 nurses in the state.

JAMA publishes a CINJ study showing a lack of survival benefit for older men with localized prostate cancer who are treated with androgen

deprivation therapy, a standard of care. The lead author of the study is **Grace Lu-Yao, PhD, MPH**, cancer epidemiologist at CINJ and associate professor of environmental and occupational medicine at RWJMS.

Thomas Cavalieri, DO, is named dean of SOM. Cavalieri, a nationally recognized leader in geriatric healthcare, has served the University for 30 years.

Judith Deutsch, PT, PhD, professor and director of Research in Virtual Environments and Rehabilitation Sciences Lab at SHRP, receives the American Physical Therapy Association's 2008 Lucy Blair Service Award.

AUGUST

A UMDNJ study highlighting the link between vitamin D and multiple sclerosis is published in the online *Journal of Cellular Biochemistry*. The study shows that the incidence of MS decreases as the amount of vitamin D available to the body increases. The author of the article is **Sylvia Christakos, PhD**, professor of biochemistry, NJMS.

Junfeng (Jim) Zhang, PhD, is appointed associate dean for the Piscataway/New Brunswick campus at SPH. He will lead the school's initiative on Global Public Health.

SEPTEMBER

Robert DiPaola, MD, is named director of CINJ. DiPaola, a clinician and expert at CINJ since 1994, is a nationally recognized researcher in the areas of prostate, bladder and kidney cancers.



Robert DiPaola, MD



The American Physical Therapy Association's journal *Physical Therapy* publishes an SHRP case study showing the benefits of using Nintendo Wii in the rehabilitation of a teen with cerebral palsy. In the study, the 13 year old patient, who participated in 11 training sessions with the game, had improvements in visual-perceptual processing, postural control and functional mobility.

Masayori Inouye, PhD, distinguished professor in the RWJMS Department of Biochemistry, receives a \$1.2 million EUREKA grant from the NIH to develop technology that determines the structure of membrane proteins. Inouye's project was one of 38 selected to receive this funding.

HIGHLIGHTS

2008 – 2009

The Journal of Exposure Science and Environmental Epidemiology publishes a UMDNJ study finding that lead in synthetic turf can be absorbed by the body's gastric fluids. The principal investigator is **Junfeng (Jim) Zhang, PhD**, associate dean and professor of environmental and occupational health at SPH and a member of the Environmental and Occupational Health Sciences Institute.

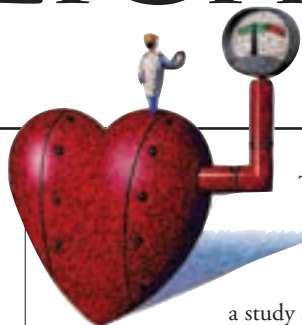
OCTOBER

George Rhoads, MD, MPH, associate dean for academic affairs and acting chair, Department of Epidemiology, is the recipient of the Abraham Lilienfeld Teaching Award from the American Public Health Association.



Diane Weathers was named senior vice president, University Advancement & Communications, overseeing a University-wide marketing and communications team.

Marco Zarbin, MD, PhD, professor and chair of the Institute of Ophthalmology and Visual Science at NJMS, is awarded the Alfonse Cinotti, MD/Lions Eye Research Chair. The \$1.5 million endowment will fund research and treatment of blinding and vision-threatening diseases.



The international journal *Circulation Research* publishes a study showing that the effectiveness of nitroglycerin is often diminished when it is used as a medication for chest pain and heart disease for prolonged periods. **Annie Beuve, PhD**, associate professor, pharmacology and physiology, and **Walter Duran, PhD**, professor, pharmacology and physiology, and surgery, both at NJMS, were collaborators.

Paul J. Liroy, PhD, professor and vice chair, environmental and occupational medicine, RWJMS, is recognized as a distinguished lecturer in exposure science by the International Society of Exposure Science. In this role he will travel internationally to promote exposure science.

The University sponsors its first "UMDNJ Day at the Capitol" at NJ's State House Annex, featuring exhibits providing information about our eight schools, The Cancer Institute of New Jersey, and the Public Health Research Institute at NJMS's International Center for Public Health.

UMDNJ expands its clinical services in the state's prisons, providing medical and dental services to inmates and civilly committed resident populations within New Jersey's Department of Corrections. The services are provided by University Correctional HealthCare.

NOVEMBER

A team of researchers from the Public Health Research Institute (PHRI) at NJMS and MIT develop a technique for imaging individual messenger RNA (mRNA) molecules inside of cells, a discovery that could result in more rapid diagnostics. The findings were published in the journal *Nature Methods*. **Sanjay Tyagi, PhD**, of PHRI was a co-author of the article.

The Eric B. Chandler Health Center, operated by RWJMS in New Brunswick, celebrates its 20th anniversary with a gala that raised \$125,000 to support its healthcare and community outreach programs.

EMS staff from UH are recognized by the Department of Health and Senior Services for their dedication to the EMS profession. Those recognized were (below, left to right): David Langley, Newark EMS training supervisor; Alba Rodriguez, Camden EMS supervisor; and Terrence Hoben, NorthSTAR coordinator.



Peter S. Amenta, MD, PhD, is named dean of RWJMS. He served as interim dean since April 2006.

Joseph Bertino, MD, professor of medicine and pharmacology at RWJMS and associate director and chief scientific officer at CINJ, receives the John Ultmann Award for

Contributions to Lymphoma at the Lymphoma and Myeloma 2008 International Congress on Hematologic Malignancies.

DECEMBER

The Donald W. Reynolds Foundation awards SOM \$2 million through the Foundation of UMDNJ to advance geriatric education for physicians. Forty-eight academic health centers across the country applied for the grants; SOM was one of only 10 schools selected. **Anita Chopra, MD**, director of the school's New Jersey Institute for Successful Aging, will lead the project.



SN receives \$300,000 from the Robert Wood Johnson Foundation (RWJF) through the RWJF New Careers in Nursing Scholarship Program, which aims to attract and retain economically disadvantaged students from NJ.

NJDS researcher **Scott Diehl, PhD**, director of the Center for Pharmacogenomics and Complex Disease Research, receives \$3 million from the NIH to study the effects of the mineral fluoride on dental and bone health in children.

JANUARY

A team of researchers from CINJ and Princeton University identifies a gene that is switched on in 30 to 40 percent of all breast cancer patients, spreading the disease, resisting traditional chemotherapies and eventually leading to death. **Michael Reiss, MD**, director of the Breast Cancer Research Program at

CINJ, is a co-author of the study, which appeared in the journal *Cancer Cell*.

The International Journal of Clinical Practice publishes a UMDNJ study showing that menthol cigarettes are more addictive, particularly among African American and Latino smokers. The study author is **Kunal Gandhi, MBBS, MPH**, research associate, Division of Addiction Psychiatry, RWJMS.



FEBRUARY

A book written by SHRP faculty members **Judith E. Deutsch, PhD**, professor, and **Ellen Anderson, MA**, associate professor, rehabilitation and movement science, wins a 2008 American Publishers Award for Professional and Scholarly Excellence.

The Journal of Biological Chemistry publishes a UMDNJ study showing that vitamin D can stimulate a protein that inhibits the growth of breast cancer cells. The principal investigator is **Sylvia Christakos, PhD**, professor of biochemistry, NJMS.



Sylvia Christakos, PhD (top center), and team

A UMDNJ research team led by **Melissa Rogers, PhD** (right), professor, biochemistry and molecular biology, NJMS, discovers that an infectious agent, mycoplasma bacterium, induces the synthesis of an important growth factor, BMP2, in lung cells. Over time, mycoplasma can convert normal lung cells into cells that form tumors. BMP2 may accelerate this process.

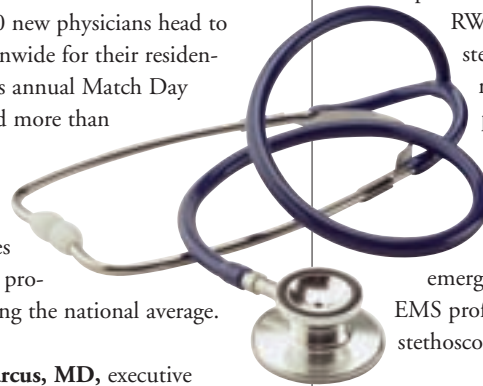
Black History Month is celebrated at UMDNJ with a series of events planned by the African American Heritage Committee. Programs focused on education, entrepreneurship and community leadership.

The Association of Schools of Public Health and the Association of Public Health Laboratories name SPH one of ten recipients of a \$30,000 award promoting careers in public health professions. SPH was recognized for its program “Pathways to Public Health Careers and Internships.”

MARCH

More than 300 new physicians head to hospitals nationwide for their residencies. This year’s annual Match Day program paired more than 95 percent of RWJMS, NJMS and SOM graduates with residency programs, exceeding the national average.

Steven M. Marcus, MD, executive director of the New Jersey Poison Information and Education System, professor, preventive medicine and community health and associate professor, pediatrics, NJMS, is honored for his distinguished work with awards from the United Way of Essex and West Hudson and the American College of Medical Toxicology.



Fifty faculty members at UMDNJ are named to *SJ Magazine’s* annual “Top Docs for Kids” list.

A study led by **Mark Merlin, MD**, assistant professor of emergency medicine at RWJMS, finds that one in three stethoscopes used by emergency medical service (EMS) providers in NJ tested positive for methicillin-resistant *Staphylococcus aureus*. His simple solution: provide alcohol wipes at hospital emergency department entrances so EMS professionals can clean their stethoscopes regularly.

Actinobac Biomed Inc., a company founded by **Scott Kachlany, PhD**, associate professor of oral biology at NJDS, receives \$500,000 from Foundation Venture Capital Group, LLC, to continue development of a novel therapeutic treatment for white blood cell disorders such as leukemia.



Melissa Rogers, PhD

The Carol G. Simon Cancer Centers at Morristown Memorial and Overlook hospitals become major clinical research affiliates of CINJ.

APRIL

SOM is selected by *U.S. News and World Report* as one of the nation’s best medical schools for geriatric medicine for the ninth consecutive year.



Scott Kachlany, PhD

The Journal of Clinical Oncology publishes a study showing that a treatment combining Gemcitabine and Vinorelbine used in breast and lung cancers is also effective against Hodgkin's disease in preteens and young adults. **Richard Drachtman, MD**, interim chief and medical director of pediatric hematology/oncology at CINJ, is a member of the author team.

A UMDNJ study finds that chronically ill patients who smoke are highly addicted to tobacco use, but will benefit from aggressive treatment for their dependence. The study, by **Michael Steinberg, PhD**, associate professor, Division of General Internal Medicine, RWJMS and medical director of the Tobacco Dependence Clinic at SPH, is published in *The Annals of Internal Medicine*.



Michael Steinberg, PhD

MAY

The University holds its 39th Annual Commencement Ceremony at the Izod Center in the Meadowlands, with more than 1,600 health professionals receiving diplomas. During the Commencement program, the UMDNJ Board of Trustees formally invests **William F. Owen, Jr., MD**, as the fourth president in the University's history.

SOM sponsors an educational forum, "Swine Flu: An Inter-professional Update on What You Need to Know," at the Stratford campus for consumers and health professionals.

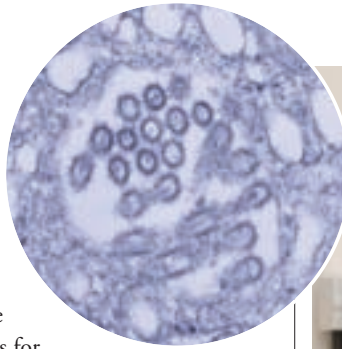
A panel of top healthcare experts speak at a symposium titled "Healthcare Reform: Its Impact on Academic Health Centers," the first of the President's Lecture Series.

NJDS researchers receive a \$429,000 grant from the National Institute of Dental and Craniofacial Research for a study on atypical odontalgia, chronic tooth pain. **Eli Eliav, PhD**, director, Division of Orofacial Pain, is principal investigator of the study; co-investigators are **Gary Hartwell, DDS, MS**, chair, endodontics, and **Scott Diehl, PhD**, professor, oral biology.

Christopher Kosseff is named senior vice president for Administration. He served as interim senior vice president for Administration and Human Resources since December 2007.



Denise V. Rodgers, MD, executive vice president and provost, and professor of family medicine, RWJMS, receives the prestigious Society of Teachers of Family Medicine Recognition Award.



Isaac Kim, MD, PhD

Isaac Kim, MD, PhD, assistant professor of surgery, RWJMS, hits a milestone in prostate cancer surgery, performing his 500th robotic prostatectomy. The state-of-the-art procedure allows for greater precision, reduced blood loss, shorter hospital stays and faster recovery for patients.

The Journal of Neuroscience publishes a UMDNJ study identifying a key pathway to reactivate myelin repair. Myelin, a fatty coating that protects nerve cells, is stripped away as a result of autoimmune diseases such as multiple sclerosis. The principal investigator is **Theresa L. Wood, PhD**, professor, neurology and neurosciences, NJMS.

JUNE

Kathy VanCamp is named vice president / chief ethics and compliance officer, overseeing efforts to promote ethical business practices.

The journal *Cell* publishes research from CINJ focusing on p62, a waste disposal protein that is the key to cancer tumor progres-

sion in a process known as autophagy. Senior author of the article is **Eileen White, PhD**, adjunct professor of surgery at RWJMS.

SN students hold a Newark awareness walk on National HIV Testing Day to encourage individuals to "Take the Test, Take Control." The students distributed information to consumers about HIV testing, prevention and treatment.

SN receives a \$2.3 million grant from the Robert Wood Johnson Foundation (RWJF) to help alleviate a severe nursing shortage in the state. The grant is part of RWJF's \$22 million initiative to increase the number of nurse faculty available to educate the next generation of nurses in NJ.

Sixty-two UMDNJ physicians are named to *New York* magazine's list of "Top Docs" in the metropolitan area.

Susan W. Salmond, EdD, RN, CNE, CTN, is appointed dean of SN following a national search. She had served as interim dean since January 2007.



Susan W. Salmond, EdD, RN, CNE, CTN

FINANCIAL SUMMARY 2009

At June 30, 2009, the University's net assets totaled \$504.7 million, which represent the resources available to the University to continue its operations and missions in accordance with the designation of the assets.

Sources of revenues increased by \$111.5 million, or 6.9%, to \$1.7 billion in 2009, reflecting growth in professional services and contracts revenues and tuition and fees, and higher net patient service revenues as a result of a settlement agreement with the State of New Jersey regarding certain cost report payments. Uses of revenues increased by \$100.6 million, or 5.8%, to \$1.8 billion in 2009, primarily due to professional services and contracts expenses.

Net Assets (in thousands)

As of June 30, 2009	
Invested in capital, net of related debt	\$379,806
Restricted expendable	162,936
Restricted nonexpendable	57,632
Unrestricted	(95,719)
Total net assets	\$504,655

Sources of Revenue (in thousands)	Year ended June 30		Uses of Revenue (in thousands)	Year ended June 30	
	2009	2008		2009	2008
Tuition and fees Student tuition and fees.	\$85,895	\$75,140	Instruction Academic instruction for credit and non-credit courses.	\$202,884	\$192,415
State appropriations Legislative appropriations for operating expenses from the State of New Jersey, including fringe benefits payments, net of refunds.	401,589	426,388	Research Activities that produce research outcomes, whether commissioned by external agencies or separately budgeted by units within the University.	179,864	183,523
Grants, contracts and gifts Governmental - \$234,435 Research and educational grants and contracts from federal, state and local governments.	305,306	305,486	Institutional and administrative services support Libraries, academic administration, student services and aid, executive management and institutional support.	116,016	136,868
Private - \$70,871 Educational training grants and other contracts and gifts from foundations and private sources.			Public service Non-instructional services beneficial to individuals and groups external to the University.	90,058	69,928
Net patient service revenues Patient and other medical service revenues, including charity care, net of contractual adjustments and bad debts.	549,471	502,981	Patient care services Salaries, benefits, maintenance, supplies and other expenses for hospital and behavioral healthcare activities.	728,759	740,741
Professional services and contracts Fees charged by health care providers at faculty practice plans and revenues from contracts with state agencies and others.	328,300	236,505	Professional services and contracts Expenses incurred by health care providers at faculty practice plans and cost of services for contracts with state agencies and others.	288,739	190,230
Investment income Income from investments in federal government securities and corporate bonds.	5,778	13,654	Operation and maintenance of plant Maintenance and utility costs of University facilities.	55,292	52,167
Other Includes revenues from dental clinics, affiliates, partners and auxiliary services.	56,516	61,217	Depreciation Expense related to capital assets.	77,480	78,297
Total sources	\$1,732,855	\$1,621,371	Other Includes insurance, interest and auxiliary enterprise expenses.	85,427	79,741
			Total uses	1,824,519	1,723,910
			Decrease in net assets	(91,664)	(102,539)
			Net assets – beginning of year	596,319	698,858
			Net assets – end of year	\$504,655	\$596,319

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