

Mount Sinai inside



LEFT TO RIGHT: Kenneth L. Davis, MD, President and Chief Executive Officer of The Mount Sinai Medical Center, and Dennis S. Charney, MD, Anne and Joel Ehrenkranz Dean, Mount Sinai School of Medicine

Convocation 2011 A Year of Unprecedented Success

Mount Sinai School of Medicine's 26th Convocation Ceremony, held Tuesday, September 20, in Stern Auditorium, honored the achievements of nine faculty members, and the generous donors who support their work in science and medicine.

The annual ceremony marks the beginning of Mount Sinai's academic year. In his State of the School address, Dennis S. Charney, MD, Anne and Joel Ehrenkranz Dean, Mount Sinai School of Medicine, Executive Vice President for Academic Affairs, The Mount Sinai Medical Center, addressed the audience that was comprised of colleagues, staff, and guests, and he outlined the institution's recent achievements.

Dr. Charney congratulated the faculty and students for unprecedented accomplishments in education, research, and clinical care, pointing out that the medical and graduate students in the matriculating classes of 2011 had the best metrics in the school's history, and are among the most talented such students in the United States. He noted that more than 60 percent of this year's graduating medical student class matched with their

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Eric E. Schadt, PhD, Joins Mount Sinai

Eric E. Schadt, PhD, a leader in computational biology and genomics, recently joined The Mount Sinai Medical Center as Director of the Institute for Genomics and Multiscale Biology, Chair of the Department of Genetics and Genomic Sciences, and the Jean C. and James W. Crystal Professor of Genomics. Dr. Schadt's research has provided novel insights into how massive amounts of data can be used to understand the complexity of disease and lead to more informed decisions about drug discovery. Recently, *Inside Mount Sinai* asked Dr. Schadt to explain his plans for guiding Mount Sinai into the next era of translational research.

INSIDE: How is computational biology in genomics going to revolutionize the practice of medicine?

DR. SCHATZ: Computational biology and the related field of systems biology seek to provide a holistic view of living systems by modeling



Eric E. Schadt, PhD

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Mount Sinai Downtown HIV/AIDS Program Relocates

Mount Sinai's HIV/AIDS clinic in Greenwich Village relocated to Chelsea on Monday, September 26, a move celebrated by Mount Sinai leadership, the office of the Mayor of New York City, legislators, and community organizations. The Mount Sinai Medical Center acquired the clinic from St. Vincent's Hospital when it closed last year. The clinic is now known as the Mount Sinai Comprehensive Health Program-Downtown, and is located at 275 Seventh Avenue.

"Mount Sinai has been a pioneering institution in HIV/AIDS care and research since 1989," Kenneth L. Davis, MD, President and Chief Executive Officer of The Mount Sinai Medical Center told the audience. "When we added the St. Vincent's center to our large and successful HIV program at our Upper East Side campus, we established one of the largest HIV/AIDS programs in the country, and it gave approximately 2,700 former St. Vincent's patients access to the advanced research and services available at Mount Sinai." The two locations anticipate 36,000 patient visits annually.

"The new space is bright, open, and inviting, and also equipped with specialty clinics in neurology, hepatology, cardiology, dermatology, and psychiatry, to address the co-morbidities associated with chronic HIV infection," said Michael P. Mullen, MD, Acting Chief of Infectious Diseases at Mount Sinai. "We look forward to continuing to provide excellent comprehensive care to our patients."

New York City Mayor Michael R. Bloomberg signed a proclamation that acknowledged the move: "Now that it is just blocks away from Penn Station, more people from across the five boroughs and beyond will have easier access to a clinic that is home to physicians and staff who are among the most experienced infectious disease specialists in the country."

Among the speakers were U.S. Rep. Jerrold Nadler (D-NY) and New York State Senator Thomas K. Duane. Said Sen. Duane about the new facility: "It speaks to Mount Sinai's commitment to our community that it found a permanent home for this program and is ensuring continuity of care to the 2,700 people living with HIV/AIDS."



FROM LEFT TO RIGHT: Michael P. Mullen, MD; Kenneth L. Davis, MD; Maureen Van Benthuyzen, Senior Vice President, The Mount Sinai Hospital; Barbara E. Johnston, MD, Associate Medical Director, Mount Sinai Comprehensive Health Program-Downtown; and Matthew Baney, Administrative Director/HIV Services

Primary Care Associates Expands Services

The Mount Sinai Primary Care Associates recently added a ninth physician to its group and plans to have a total of 10 doctors in place by 2012, when the practice moves into the new, state-of-the-art Center for Science and Medicine at 102nd Street and Madison Avenue. Primary Care Associates will occupy 22 offices on the building's second floor. The additional physicians, new space, and expanded hours—including weekday evenings and Saturdays—underscore the importance of primary care as the first point of contact for patients who require routine check-ups or have urgent health care needs. The primary care doctors will serve as providers of choice for Mount Sinai's faculty and staff, as well as the patient population.

To reach the following doctors, or for additional information, call 212-241-6585 or visit: www.mountsinaifpa.org.



Prarthana Beuria, MD, received her medical degree and residency training in Internal Medicine and Pediatrics from Mount Sinai School of Medicine.



Julie Nissim, DO, MPH, received her medical training at New York College of Osteopathic Medicine, and her residency training in Internal Medicine at Morristown Memorial Hospital, and Roger Williams General Hospital.



David T. Stern, MD, completed his medical degree at Vanderbilt University Medical Center, and his residency training in Internal Medicine at New England Medical Center. He received his PhD in Curriculum and Teacher Education at Stanford University.



Jennifer Kent, MD, graduated from Sackler School of Medicine at Tel Aviv University, and completed her residency training in Internal Medicine at Mount Sinai School of Medicine.



Vinisha Patel, MD, completed her medical degree at Albany Medical College, and her residency training in Internal Medicine at Thomas Jefferson University Hospital in Philadelphia.



Aida Vega, MD, graduated from Boston University School of Medicine, and completed her residency training in Internal Medicine at the University of Connecticut Health Sciences Center.



Doreen A. Mensah, MD, completed her medical degree at Harvard Medical School, and her residency training in Internal Medicine at Massachusetts General Hospital.



Carlos Rios, MD, received his medical degree and residency training in Internal Medicine and Pediatrics at Mount Sinai School of Medicine.



Emily Wang, MD, completed her medical degree at Albert Einstein College of Medicine, and her residency training in Internal Medicine at Beth Israel Medical Center in New York.

Eric E. Schadt, PhD, Joins Mount Sinai (continued from page 1)

high-dimensional, large-scale data at the molecular, cellular, and clinical levels simultaneously. The goal is to construct predictive models of disease that will help us better understand the biological processes that are involved in the pathophysiology of disease, drug response, and treatment. The specialty will help provide faster, safer, and more effective health care, and ultimately reduce the overall disease burden.

INSIDE: In the scientific community, you are somewhat infamous for saying that molecular biology is flawed because it focuses on one individual gene at a time rather than looking at the thousands of genes that make up biological networks. What is the “New Biology” approach you have developed and why is it the key to understanding biological systems?

DR. SCHADT: Looking at individual genes is important, but focusing on how they fit into the larger system will lead to a better understanding of common human diseases and, ultimately, more effective diagnoses and treatments.

Biological systems—at all levels—have complex behaviors. If we want to understand them, we need to study them on a systemwide level.

INSIDE: Mount Sinai is one of only a handful of research institutions around the country focusing on computational biology in genomics. Why is it critical to do so?

DR. SCHADT: As we move away from single genes and into networks, the complexity increases exponentially, and the scales of data we generate will exceed everything that is in the digital universe today. The only way you can

understand such vast scales of information is by employing advanced mathematical algorithms, which are executed on super computer resources. Patients will seek out institutions that have the most knowledge about their diseases.

INSIDE: The Institute for Genomics and Multiscale Biology is one of 15 disease-oriented and core-technology based institutes at Mount Sinai. How important is interdisciplinary collaboration to the genetics revolution?

DR. SCHADT: Collaboration is absolutely essential. The goal of the Institute is to become a critical hub for all of the disease-oriented institutes at Mount Sinai. We will provide each institute with the best interpretations of its data, and then use that information to gain a better understanding of diseases.

Convocation 2011 (continued from page 1)

first or second choices in the nation's most competitive residency training programs. These achievements were reflected in Mount Sinai's rank as 18th (from 32nd several years ago) in the *U.S. News & World Report's* 2011 annual list of the nation's top medical schools.

“The research we have conducted in the past year continues to lead to breakthroughs that have the potential to change the way medicine is practiced,” Dr. Charney said. As an objective measure of productivity, Mount Sinai ranks third in the United States in research dollars per principal investigator (PI), with research funding per PI at \$650,000, up from \$550,000 in 2008, and far surpassing the national mean of \$315,793. “Our National Institutes of Health (NIH) funding was about \$250 million,” said Dr. Charney. “That's the highest level in Mount Sinai's history.”

The Faculty Practice Associates (FPA) also experienced significant growth, increasing 10 percent in volume last year, and 8 percent in revenue. “Our goal for clinical care is continued robust growth in volume and revenue, and being No. 1 in the region in terms of patient-centered care,” Dr. Charney said. Cancer, cardiology, transplant, neurosurgery, and surgical subspecialties, including orthopaedics and spine, are among the areas targeted for growth.

In the coming year, Mount Sinai will expand its programs related to innovation and discovery, particularly in the area of genomics. To that end, the Graduate School plans to develop a new PhD track in genomics that will work with the Institute for Genomics and Multiscale Biology. And through the medical school's innovative new Science and Medicine Program, science-oriented college sophomores interested in careers in research will be able to gain early acceptance. The medical school will also raise funds for scholarships and loan forgiveness for students who, upon graduation, choose to work in underserved communities.

“Through strategic growth and groundbreaking innovation, Mount Sinai School of Medicine is poised to meet the financial challenges associated with health care reform and more limited growth in NIH funding,” Dr. Charney said.

Kenneth L. Davis, MD, President and Chief Executive Officer of The Mount Sinai Medical Center, pointed out Mount Sinai's ranking among the top 20 medical schools in the country, and its place on the hospital Honor Roll by *U.S. News & World Report*, accomplishments shared by only 12 U.S. medical institutions.

Despite these achievements, said Dr. Davis, the sobering news is that Mount Sinai and other academic medical centers in America “sit on a precipice,” facing significant cuts in federal funding for graduate medical education and other areas that would mean the loss of \$50 million in annual revenue.

The coming years, he said, “will not be business as usual. The federal government can't afford Medicare. States can't afford Medicaid. Mount Sinai's problems will require leadership and sacrifice.” However, he added, “Mount Sinai has overcome tough challenges in the past. We are problem-solvers.”

Peter W. May, Chairman, Boards of Trustees, The Mount Sinai Medical Center, said the Convocation Ceremony was an opportunity to reflect on Mount Sinai's great strength: its community of clinicians, researchers, students, and philanthropists. He thanked each of the nine families for whom the endowed professorships were named. “Mount Sinai is uniquely agile and collaborative,” said Mr. May. “We are stronger than we've ever been. We know we will be one of the survivors and leaders in medicine.”



At Convocation nine faculty were honored with endowed titles. **BOTTOM ROW, LEFT TO RIGHT:** Leona Kim-Schluger, MD, Sidney J. Zweig Professor of Medicine; Juan P. Wisnivesky, MD, DrPH, Irene and Dr. Arthur M. Fishberg Professor of Medicine; Eric E. Schadt, PhD, Jean C. and James W. Crystal Professor of Genomics; Yaron Tomer, MD, Lillian and Henry M. Stratton Professor of Molecular Medicine; and Jagat Narula, MD, PhD, Philip J. and Harriet L. Goodhart Professor of Medicine (Cardiology)

TOP ROW, LEFT TO RIGHT: Charles A. Powell, MD, Janice and Coleman Rabin Professorship in Pulmonary Medicine; Robert G. Maki, MD, PhD, Steven Ravitch Chair in Pediatric Hematology; Dennis S. Charney, MD, Anne and Joel Ehrenkranz Dean, Mount Sinai School of Medicine; Carlos Cordon-Cardo, MD, PhD, Irene Heinz Given and John LaPorte Given Professor of Pathology; and Alex D. Federman, MD, MPH, Clifford L. Spingarn, MD Professor in Primary Care Medicine

Events

Complementary Therapies in Breast Cancer Care

Ann Berger, MD, MSN, Chief, Pain and Palliative Care, National Institutes of Health, presents “Complementary Therapies in Breast Cancer Care,” a discussion of how yoga, reiki, and biofeedback can help manage symptoms and recovery. For reservations, call 212-987-3063. The event is sponsored by the Mount Sinai Breast Health Resource Center.

Wednesday, October 19
6 pm
Hatch Auditorium

Grand Rounds Cardiology

Marvin A. Konstam, MD, Professor of Medicine, Tufts University, Chief Physician Executive, The Cardiovascular Center, Tufts Medical Center, presents “Advanced Heart Failure: Pathophysiologic Mechanisms and Insights from Recent Clinical Trials.”

Monday, October 24
7:45 – 8:45 am
Hatch Auditorium

Sidney A. Hollin, MD, Endowed Lecture Neurosurgery

Fredric B. Meyer, MD, Professor, Chairman of Neurological Surgery, Mayo Clinic, presents the Sidney A. Hollin, MD, Endowed Lecture, “Education of the Next Generation of Neurovascular Surgeons.”

Wednesday, October 26
8 am
Annenberg
Fifth Floor Board Room

Grand Rounds Endocrinology

Robert L. Rosenfield, MD, Program Director, Pediatric Endocrine Research Training Program, University of Chicago, presents the Dr. Walter Futterweit Lecture in Female Reproduction, “Current Concepts of Polycystic Ovary Syndrome.”

Thursday, October 20
4:30 – 5:30 pm
Atran Building
Fourth Floor, Room AB4-11

Friedman Brain Institute Translational Neuroscience Seminar Series

Alice Cronin-Golomb, PhD, Professor of Psychology, Boston University, presents “Visual Cognition in Alzheimer’s Disease and Visual Cognition and Other Non-Motor Symptoms of Parkinson’s Disease.”

Thursday, October 27
1 pm
Icahn Medical Institute
First Floor Seminar Room

Influenza Vaccinations

Mount Sinai is administering the seasonal influenza vaccine at no expense to Medical Center personnel. This season’s vaccine will protect against the Influenza H1N1 pandemic virus and two other seasonal influenza strains. The Mount Sinai Medical Board strongly encourages all Mount Sinai personnel to get vaccinated, says Ira S. Nash, MD, Chief Medical Officer, Senior Vice President for Medical Affairs. The only exceptions are people who have severe allergies to eggs, those who have experienced allergic reactions to flu vaccines in the past, or have a history of Guillain-Barré syndrome.

Vaccinations will be available in the Annenberg West Lobby on these dates and times:

Monday, October 17
10 am - 5 pm

Thursday, October 20
6 am - 1 pm

Tuesday, October 25
6 am - 1 pm

Friday, October 28
10 am - 5 pm

Monday, October 31
10 am - 5 pm

Monday, November 7
Noon - 5 pm

Additionally, vaccinations will be available for walk-ins at Employee Health Service, 17 East 102nd Street, Second Floor, Monday–Friday, 8 am – 4 pm.

Education

The Page and William Black Post Graduate School for Continuing Education

The Office of Continuing Medical Education (CME) offers seminars, conferences, grand rounds, and live webcasts for physicians and other health professionals to extend their knowledge and remain current in their specific fields. For more information on courses, visit <http://www.mssm.edu/education/continuing-medical-education/courses> or call the Office of CME at 212-731-7950.

Research

Improving Breast Cancer Survivor Medication Adherence through Education

We are seeking women (18 years of age and older) who have been diagnosed with breast cancer and were prescribed Tamoxifen or Arimidex/Aromasin but decided to stop taking it or are having difficulties taking these medicines. The purpose of this research study is to see what your thoughts are about hormone medicines. You will be asked to participate in one focus group that will last approximately 1-2 hours and to answer a short baseline survey. Participation is voluntary and will be compensated. If you are interested in participating, call 800-280-3764 or email Liliana.serrano@mountsinai.org. MSSM IRB approved through 6/30/12. Principal Investigator, Dr. Jenny Lin GCO#09-1981



Inside Mount Sinai

2011 Marketing & Communications
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