

The
Class of 2002
Commenceme

The College
of Medicine

and

The School
of Graduate Studies

of

SUNY Downstate
Medical Center

Seven O'Clock
Thursday Evening, May 23, 2002
Carnegie Hall • New York City, New York

The Music Program

Precommencement Musicale

Works by J. S. Bach, A. Banchieri, G. Gabrieli, J. Pezel, and A. Scarlatti played by The Physicians' Brass Ensemble of New York—Daniel Repole, M.A., Conductor; Benjamin A. Rosenberg*, M.D., '50, Music Chairman. Horn: Jeanine Gilson. Trombones: David Chamberlain (Tenor), Benjamin A. Rosenberg (Tenor/Bass, also Bass Trumpet). Trumpets: Anthony Bavota, Joseph Schufle and James Sukofsky (also Piccolo Trumpets).

*Founding Director 1972

Processional

Coronation March from *The Prophet* (1849, G. Meyerbeer)
Trumpet Tune (1696, J. Clarke)
March from *Dramico per Musica* (1726, J. S. Bach)
Triumphal March from *Aida* (1871, G. Verdi)
Pomp and Circumstance No. 1 (1901, E. Elgar)

National Anthem

Lance Matthew Dicker and Gary Paul Katzman (Duet)
Joshua Simon Rosenzweig (Guitar)

Recessional

Rondeau (1729, J. J. Mouret)
Trumpet Voluntary (1700, J. Clarke)
“See the Conquering Hero Comes” from *Judas Maccabeus* (1746, G. F. Handel)
Turkish March from *The Ruins of Athens* (1812, L.V. Beethoven)
March Militaire (1825, F. Schubert)
Promenade from *Pictures at an Exhibition* (1874, M. Moussorgsky)

We would like to thank the following groups for their assistance in organizing this year's commencement ceremony: Office of the President, Alumni Association, Division of Student Affairs, Deans' Offices, Institutional Advancement, Student Center, Office of University Police/Public Safety, and all the people who have given freely of themselves to enrich this year's graduation.

The Commencement Program

Presiding Marshal

Eva B. Cramer, Ph.D.

*Professor of Anatomy & Cell Biology and Vice President for
Biotechnology and Scientific Affairs*

Processional

(Audience, please rise for the Processional.)

Opening Remarks

Eugene B. Feigelson, M.D.

*Dean, College of Medicine and Senior Vice President for
Biomedical Education and Research*

Greetings from the President

John C. LaRosa, M.D., FACP

President

Greetings from the Chancellor

Robert L. King, J.D.

Chancellor, State University of New York

Greetings from the Graduates

Jeffrey Scott Margolis

College of Medicine, Class of 2002

Hasan Orhan Akman

School of Graduate Studies, Class of 2002

Greetings from the Alumni Association

Miriam T. Vincent, M.D., Class of '85

President, Alumni Association

Presentation of Honorary Degrees

Eugene B. Feigelson, M.D.

Conferring of Honorary Degrees

John C. LaRosa, M.D., FACP

Honorary Degree Recipients

Richard C. Troutman, M.D.

Mitchell S. Rosenthal, M.D.

Commencement Address

Mitchell S. Rosenthal, M.D.

School of Graduate Studies
Granting of Graduate Degrees

Presentation of Candidates
Susan Schwartz-Giblin, Ph.D.
Dean, School of Graduate Studies

Conferring of Degrees
John C. LaRosa, M.D., FACP

Awarding of Diplomas
John C. LaRosa, M.D., FACP
Susan Schwartz-Giblin, Ph.D.

Hooding of Candidates
Thesis Research Sponsors and
Robert K.S. Wong, Ph.D.
*Professor and Chairman of Physiology
& Pharmacology*

College of Medicine
Granting of the M.D. Degrees

Presentation of Candidates
Eugene B. Feigelson, M.D.

Conferring of Degrees
John C. LaRosa, M.D., FACP

Awarding of Diplomas
John C. LaRosa, M.D., FACP
Eugene B. Feigelson, M.D.

Hooding of Candidates
Margaret Clark-Golden, M.D.
Clinical Associate Professor of Pediatrics

Michael Lucchesi, M.D.
*Associate Professor and Chairman,
Department of Emergency Medicine*

Closing Remarks and Administration of the
Hippocratic Oath
John C. LaRosa, M.D., FACP

Recessional
*(Audience, please rise and remain standing until the
graduates have left the hall.)*

School of Graduate Studies

Ph.D. Degree

Hasan Orhan Akman Anatomy & Cell Biology
Signalling by Smad proteins: A novel mechanism that regulates vascular endothelial function in response to hypoxia in humans.
Fellow in Hematology-Oncology, Beth Israel-Deaconess Medical Center, Harvard Medical School

Helene Bach-Mizrachi Anatomy & Cell Biology
Expression of the ephrin-A family members in the visual system of ranid frogs.
Fellow, New York State Psychiatric Institute, Columbia University

Darryl Bing Biochemistry
The effects of phosphorylation on the actin binding capacity of ABP-190.
Assistant Professor of Natural Sciences, Shaw University, North Carolina

Shih-Chieh Chuang Pharmacology
A novel current generated by the activation of Group I metabotropic glutamate receptors in the hippocampus.
Fellow in Physiology & Pharmacology, SUNY Downstate Medical Center

Daya Shankar Gupta Biochemistry
Ovarian sex steroids activate spinal opioid antinociception via disinhibitory mechanisms: Asymmetrical and independent regulation of spinal dynorphin and enkephalin systems.
Fellow, Taub Institute for Aging, Columbia University

Facan Huang Anatomy & Cell Biology
Structure, expression, and functional characterization of mouse CLP-1 gene: Studies with CLP-1 gene knock-out mice.
Fellow in Cardiology, University of Pennsylvania School of Medicine

Lalitha Jayant Microbiology & Immunology
Different ribosome-accessing sites on a single mRNA molecule influence the translation of each other *in cis*.

Volker Nimmrich Pharmacology
Expression of dendritic RNAs in rat hippocampus during synaptic activation.
Research Scientist in Neurophysiology, Johannes-Mueller Institute for Physiology, Berlin University

Yongxia Qu Anatomy & Cell Biology
Mechanisms of autoimmune-associated congenital heart block.
Fellow, Research and Development Service, Veterans Affairs New York Harbor Healthcare System, Brooklyn Campus, and SUNY Downstate Medical Center

Boris Shor Molecular & Cellular Biology
Functional analysis of RACK1 homologue from fission yeast.
Fellow in Drug Discovery, Johnson & Johnson Pharmaceutical Research and Development, New Jersey

Tomasz Sobocki Anatomy & Cell Biology
Genomic organization of human F11R/JAM and identification of two types of mRNAs regulated by alternative promoters.
Fellow in Developmental Neuroscience, College of Staten Island (CUNY)/Institute for Basic Research

Abeba Tesfaye Biochemistry
Regulation of rat NA, K-ATPase $\alpha 3$ subunit expression by low K^+ and ouabain.
Fellow in Pediatric Hematology, The Johns Hopkins University School of Medicine

Guang-Qian Xiao Anatomy & Cell Biology
The involvement of calcium channels in the pathogenesis of autoimmune congenital heart block.
Resident and Fellow in Pathology, Mount Sinai School of Medicine, New York

M.S. Degree

Yuan Lin Pharmacology
Phosphorylation of retinoblastoma protein (RB) and the suppression of RNA polymerases I and III by RB.

College of Medicine

- M.D. Degree
Heba Aboshihata
Bella Ekaete Akpan Obstetrics-Gynecology
Lisette Alfaro Internal Medicine
Lauren Michele Allister Pediatrics
Khalid Almuti Internal Medicine
Cynthia Valerie Aly Obstetrics-Gynecology
Sandra Melissa Angus
Marcella Rita Aquino Pediatrics
Joseph James Arampulikan Diagnostic Radiology
* Dinesh Bahl Ophthalmology
Irina Barash Internal Medicine
Stella Bard Internal Medicine
Jill L. Barron Pediatrics
* Sushil Kumar Basra Orthopaedic Surgery
Estelamari Rodriguez Beltran Internal Medicine
* Ryan Seth Borress Otolaryngology
Vladimir Stefan Bozic Orthopaedic Surgery
Gregg Daniel Brodsky Internal Medicine
Matvey Brokhin Internal Medicine
Yana Bron Pediatrics
* Christine M. Bumatay Pediatrics
Natasha Amalia Burrowes
Karen Michelle Byrne Emergency Medicine
Anthony M. Caporaso Family Practice
Nader H. Chadda Internal Medicine
Ruchira Chandra Internal Medicine
Anthony Chang Diagnostic Radiology
Rebecca Chatterjee Internal Medicine
Wei Fan Chen Surgery
* Jessie S. Cheung Dermatology
Ming-Hui Chi
Yekaterina Chirkova Emergency Medicine
Jerry Chienyu Chu Anesthesiology
Jerry Chung Diagnostic Radiology
Louise Annlea Chuu Obstetrics-Gynecology
Mark Chwajol Neurosurgery
Joanna Susan Cohen Pediatrics
Andrea Ted Coleman Pathology
Felix S. Davelman Urology
* Traci Beth DePalma Neurology
Anna Di Bona Internal Medicine
Lance Matthew Dicker Internal Medicine
* Spencer David Dorn Internal Medicine
Vikash Dugar Anesthesiology
Bridget Ilka Earle Internal Medicine
Omega L. Edwards Internal Medicine
Alexander M. Ehrlikh Anesthesiology
Lina Elbash Pediatrics
* Jeffrey Ira Ellis Dermatology
Oluwatoyin Enitan Falodun Emergency Medicine
Lisa Ferrigno Surgery
Rachael Marie Ferrizz Pediatrics
Olga Fishman Neurology
Hilel Frankenthal Pediatrics
Karen Ann Friedman Internal Medicine
Miriam Fuhrman Ophthalmology
Sam W. Gao Internal Medicine
Javier Orlando Garcia Psychiatry
Eric Allen Glassberg
* Daniel Reuven Gold Otolaryngology
* Lauren Beth Goldenstein Pediatrics
* Matthew Ian Goldman Emergency Medicine
Sema Bank Goldstein Obstetrics-Gynecology
Gary N. Golduber Internal Medicine
* Adrian Gonzalez Internal Medicine
Lorie Elisa Greenberg
Judy Andrea Greene Psychiatry
* Michelle Monique Guidry Internal Medicine
Odette Rosa Hall Pathology
* Lauren J. Hansen Pediatrics

Intsham Ul Haq Neurology
 Elana Harris Pediatrics
 * Iman A. Hassan Internal Medicine
 Pushpal Arvind Hazari Internal Medicine
 Dwight Dwain Hoarau Diagnostic Radiology
 Paul Impellizzeri Surgery
 Albert John Izzo Emergency Medicine
 Raffi S. Kapitanyan Emergency Medicine
 Gary Paul Katzman Psychiatry
 Adam Jonathan Kaye Surgery
 * Angeliki Kazeros Internal Medicine
 Pascale Kersaint Pediatrics
 Juliana Khowong Physical Medicine & Rehabilitation
 June Kim Internal Medicine
 Min Kyung D. Kim Physical Medicine & Rehabilitation
 Pearl Soo-Jin Kim Physical Medicine & Rehabilitation
 David William Kindelberger Pathology
 Olga A. Konykhov Internal Medicine
 Risa Elizabeth Koren Psychiatry
 Lisa Rachel Koslow Pediatrics
 Seth David Kurtz Pediatrics
 Fenney Kwan Obstetrics-Gynecology
 William Kwon Diagnostic Radiology
 Loren Michelle Lacerenza Anesthesiology
 Charles Stewart Landis Internal Medicine
 Frederick Lansigan Internal Medicine
 Joshua Hung Tin Lau Pediatrics
 Susan Lee Internal Medicine
 John L. Leonardo Anesthesiology
 * Julie Christine Lew Ophthalmology
 Alphonso Lemuel Linley Internal Medicine
 Ren Yu Liu Anesthesiology
 Samantha Cayley Lowe Pediatrics
 Amy Lu Anesthesiology
 Noah Daniel Lubowsky Internal Medicine
 Andrey Lundin Anesthesiology
 Kinlap Mak Anesthesiology
 Stephen Aaron Malach Psychiatry
 * Jeffrey Scott Margolis Orthopaedic Surgery
 Jacob Eliezer Markovitz Obstetrics-Gynecology
 Shawn Andrew McClure Oral Surgery
 Andrew Charles Meltzer Emergency Medicine
 Marrissa Candice Middleton
 Jimmy Moe Anesthesiology
 Stephanie Monaco Psychiatry
 Tia DeMille Morris Obstetrics-Gynecology
 * Geoffrey Benjamin Neimark Psychiatry
 Peggy Nelson Internal Medicine
 Lisa Jean Nocera Emergency Medicine
 Christine Magail Elizabeth Norman Emergency Medicine
 Andrew O'Connor Emergency Medicine
 John Michael O'Neill Internal Medicine-Emergency Medicine
 * Sergio Henry Obligado Internal Medicine
 Matthew Bennett Ostrowitz Surgery
 Mina Pastagia Medicine-Primary
 Kavita Mukund Patel Diagnostic Radiology
 * Vipul P. Patel Orthopaedic Surgery
 Erin Patricia Patton Internal Medicine
 Adam Jason Perahia Pediatrics
 Kevin Patrick Perry
 Justin Richard Phillips Physical Medicine & Rehabilitation
 Elzbieta Pilat Emergency Medicine
 Manu Pillai Internal Medicine
 Manish Prakash Ponda Internal Medicine
 Sheila Debbie Pongnon Obstetrics-Gynecology
 Joanna Potempska Pediatrics
 Rasheda Vernique Prescott Internal Medicine-Pediatrics
 Sofiya Prilik Physical Medicine & Rehabilitation
 Baljeet Kaur Purewal Ophthalmology
 Christina Ann Ramirez Obstetrics-Gynecology
 Sammy Razik Diagnostic Radiology
 Afshin Rezvani Oral Surgery

Kathy Rivera Psychiatry
 Daniel Matthew Roesler Surgery
 * Lauren Beth Rosenthal Pediatrics
 * Joshua Simon Rosenzweig Internal Medicine
 Thuy Dieu Rotunda Psychiatry
 Joshua Seth Rovner Orthopaedic Surgery
 Roman Y. Royzman Internal Medicine
 Jeremy David Rudnick Neurology
 * Ian Matthew Russinoff Emergency Medicine
 Amy Elaine Sanders Neurology
 Barry D. Schair Internal Medicine
 Brian Mark Schenberg Pediatrics
 Mikhail Serebrennik Diagnostic Radiology
 Amit Rajendra Shah Surgery
 Chirag N. Shah Emergency Medicine
 Jodi Danielle Sherman Surgery
 Philip Shin Anesthesiology
 Jonathan Silverman Emergency Medicine
 Daniel Jonathan Simon Ophthalmology
 * Amy Elizabeth Slear Dermatology
 Shivani Sood Internal Medicine
 Joshua R. Steinerman Neurology
 Lori C. Stetz Family Practice
 Sumon Syed Internal Medicine
 Raymond Tan Internal Medicine
 Joseph B. Tawil Internal Medicine
 Cena Tejani Pediatrics
 * Malgorzata Teklinski Internal Medicine
 Aron Tandler Internal Medicine-Psychiatry
 Richard Teplitz
 Marc Zev Tessler Pediatrics
 George Thomas Anesthesiology
 Sheeba Muttath Thomas Pediatrics
 Nadine Griffiths Thompson Obstetrics-Gynecology
 Lauren Rose Thomson Diagnostic Radiology
 Lisa Beth Travis Dermatology
 Mark Chun-Hsueh Tseng Surgery

* Thomas Smith Uldrick, Jr. Internal Medicine
 Se Young Um Pediatrics
 Shirley Anne Van Milder Obstetrics-Gynecology
 * Emily S. Wan Internal Medicine
 Mingke Wang Surgery
 Gila Weinstein Surgery
 * Lawrence Stuart Weinstein Anesthesiology
 * James Ian Weitzman Internal Medicine
 Erika Wojciuk Psychiatry
 Judy Odia Wright Family Practice
 Charles Weitsun Yang Diagnostic Radiology
 Shu Rong Yang Internal Medicine
 * Walid Ismail Zaza Emergency Medicine

Distinction in Research

Jill L. Barron
 Estelamari Rodriguez Beltran
 Matvey Brokhin
 Anthony M. Caporaso
 Spencer David Dorn
 Paul Impellizzeri
 Stephen Aaron Malach
 Kavita Mukund Patel
 Aron Tandler
 Gila Weinstein

Commendation in Investigative Scholarship

Wei Fan Chen
 Frederick Lansigan
 Mina Pastagia
 Daniel Matthew Roesler
 Jodi Danielle Sherman
 Joshua R. Steinerman
 Cena Tejani

* Denotes Alpha Omega Alpha Medical Honor Society

Greetings from the Chancellor

Robert L. King, J.D.

Since his appointment by the Board of Trustees in December 1999, Chancellor Robert L. King has instituted a bold and vigorous agenda to bring the State University of New York to new preeminence in the world of higher education.

He believes that New York State needs – and deserves – a public university that is without equal in American higher education, and that academic excellence is essential if New York is to have the highly-educated leaders, workers, and citizens needed to promote the state's social and economic well-being. Chancellor King is committed to building strategic partnerships with other educators and business and community leaders – here and abroad – to advance the interests of SUNY's students and the State of New York.

To help achieve these goals, the Chancellor has outlined a five-year plan for the State University, and is spearheading a campaign to raise \$5 billion in new funding. These resources will be realized through University initiatives strengthening key areas such as research and fundraising, and will be in addition to annual State operating aid. Emphasizing that the State University must look to multiple sources for funding, Chancellor King considers the infusion of new resources essential to attracting the top faculty, researchers, and students the University will need to lead New York State throughout the new century.

Prior to his University appointment, Chancellor King served as budget director of New York State, a post to which he was appointed in February 1998. He also served as director of the Governor's Office of Regulatory Reform, where he designed state policies that promoted private-sector job growth in New York and developed the most comprehensive program for the elimination of unnecessary government regulations of any state in the country. Through these efforts, regulatory costs in New York State were reduced by nearly \$3 billion.

Prior to joining the Pataki administration, Chancellor King was the Monroe County Executive. He was a statewide leader in the movement to eliminate unfunded mandates on local governments, spearheaded significant welfare reform, and developed an award-winning abstinence-based program to reduce teen pregnancy. From 1987 through 1991, Chancellor King served as a New York State Assemblyman from the Rochester area.

Chancellor King holds a law degree from Vanderbilt University in Nashville, Tennessee, and a bachelor's degree from Trinity College in Hartford, Connecticut. He spent much of his law career as a prosecutor in both California and New York, serving with the Monroe County District Attorney's office. While there, he was lead attorney for the Organized Crime Strike Force, a U.S. Justice Department effort that put local organized crime leaders in prison.

Chancellor King serves on the boards of the Center for Governmental Research and the Center of Integrated Manufacturing Studies at the Rochester Institute of Technology. He has also served on the board of the Monroe County Community College Foundation.

In December 2000, Chancellor King was named by President-elect George W. Bush to his advisory panel on education for the presidential transition, and was later appointed by President Bush as a member of the U.S. Commission on Presidential Scholars.

The Rochester native is the father of four children and resides with his wife, Karen, in Clifton Park, New York. Chancellor King enjoys spending his spare time playing competitive senior league baseball and is an avid golfer.

Honorary Degree Recipient

Doctor of Science: Richard C. Troutman, M.D.

Richard C. Troutman, M.D., professor emeritus and past chairman of ophthalmology at SUNY Downstate Medical Center, is esteemed worldwide for pioneering contributions to ophthalmology that have transformed the field. As an innovative corneal surgeon, Dr. Troutman introduced new techniques that remain basic practices in ophthalmology. As a technical innovator, he developed microsurgery instruments that revolutionized not only ophthalmic surgery, but other surgical specialties as well.

Dr. Troutman earned his medical degree in 1945 from Ohio State University College of Medicine. He trained in ophthalmology at New York Hospital/Cornell Medical Center and served on the faculty there before accepting an appointment in 1954 at SUNY Downstate Medical Center. He was named chairman of ophthalmology at Downstate in 1955, and served in that position until his retirement in 1983.

Dr. Troutman's interest in ophthalmic microsurgery began in 1953, when he found a Zeiss otologic microscope he was using inadequate for his surgical purposes. He modified it to his needs, and by 1959 he had designed and had built a complete microsurgical unit specifically for ophthalmic microsurgery. Three years later, he designed a remote-controlled motorized zoom magnification surgical microscope, which became the instrument of choice for microsurgery in specialties ranging from ophthalmology to hand surgery, vascular surgery, and neurosurgery. In 1967, he integrated the zoom microscope concept into an instrument that included remote-controlled focusing, centering, tilting, and illumination. Equally important, Dr. Troutman promoted the widespread use of ophthalmic microsurgery through pioneering hands-on courses for physicians.

Dr. Troutman is well known for surgical "firsts," including the first anterior chamber intraocular lens implant and the first microsurgery for correction of corneal astigmatism. In 1970, he introduced to American ophthalmology the use of refractive surgery for correction of corneal astigmatism after keratoplasty and in 1977, Dr. Troutman and his fellow, Dr. Casimir Swinger, were the first North American ophthalmologists to use lamellar refractive surgery techniques. Dr. Troutman's pioneering work using microsurgery to reshape the cornea helped lay the foundation for subsequent developments in laser refractive surgery.

Dr. Troutman is the author of definitive textbooks and many other publications in his field. He has lectured widely and is the recipient of numerous awards, including lifetime achievement awards from Ohio State University College of Medicine and the American Academy of Ophthalmology, presented in 2000. He has been a founder and active member of professional societies, organizations, and foundations dedicated to furthering progress in ophthalmology and ophthalmic microsurgery. SUNY Downstate Medical Center has established an endowed chair in ophthalmology and ophthalmic research named in honor of Dr. Troutman.

In addition to his contributions at SUNY Downstate, Dr. Troutman served for many years as surgeon director of the Manhattan Eye, Ear and Throat Hospital, and as chairman of ophthalmology there in 1981-82. He has been responsible for the postgraduate training of more than 250 ophthalmologists and for the personal fellowship training of 30 sub-specialists in Corneal and Refractive Surgery, including 21 at Downstate.

Dr. Troutman is married to Suzanne Véronneau-Troutman, M.D., who has led a distinguished academic and clinical career in ophthalmology in her own right. Both actively support professional development in ophthalmology and ophthalmic microsurgery through funding fellowships, grants, and prizes awarded to individuals of great promise or accomplishment in their specialties.

Honorary Degree Recipient and Commencement Speaker

Doctor of Humane Letters: Mitchell S. Rosenthal, M.D.

Recognized for his pioneering work in drug addiction, Mitchell S. Rosenthal, M.D., a 1960 graduate of SUNY Downstate Medical Center, remains a leading authority on the treatment and prevention of substance abuse. Since 1967, he has headed Phoenix House, the nation's largest non-profit substance abuse services system, with nearly 100 programs in eight states.

Each day, Phoenix House treats nearly 5,500 men, women, and adolescents at its adult residential centers, Phoenix Academy boarding schools, outpatient and day programs, and programs in prisons, drug courts, and homeless shelters. Among the first drug-free treatment providers, Phoenix House introduced treatment methods now standard throughout the field, conducted much of the research documenting the effectiveness of drug-free therapy, and trained clinicians who staff and direct treatment programs throughout the United States and abroad.

Today, Phoenix House continues to set standards of service for drug-troubled populations, including women with children, the mentally ill, and criminal offenders. With the addition of prevention and education programs in recent years, Phoenix House is now a major source of publications, information, outreach, and classroom instruction, serving families, schools, and communities.

Dr. Rosenthal was born in Brooklyn and earned his bachelor's degree from Lafayette College. He followed graduation from Downstate with residencies in adult psychiatry at Kings County Hospital and child psychiatry at the Staten Island Mental Health Society. His career took a dramatic turn in 1965. As a newly commissioned lieutenant commander, he was assigned to the U.S. Naval Hospital in Oakland, California and began his work with substance abusers. At that time, addiction was generally considered incurable. But Dr. Rosenthal introduced a new and then unconventional approach, starting the armed services' first therapeutic community for the treatment of alcoholism, drug addiction, and character disorders.

This experience made him a natural choice to join New York City's newly created Addiction Services Agency as deputy commissioner for rehabilitation when he left the Navy in 1967. There, he founded Phoenix House and built a city-wide network of residential treatment facilities and storefront centers. When growing fiscal problems forced the city to curtail support for this network in 1970, Dr. Rosenthal resigned his government post to become president of the nonprofit Phoenix House Foundation that took over the system.

Long a spokesperson for the treatment field, Dr. Rosenthal chaired the New York State Advisory Council on Substance Abuse from 1985 to 1997. He has served as a White House advisor on drug abuse, a special consultant to the Office of National Drug Control Policy, and a consultant to the New York State Assembly's Standing Committee on Mental Health.

Dr. Rosenthal was among the first to recognize the vital role families play in arresting drug abuse, and his 1972 book, *Drugs, Parents, and Children: The Three-Way Connection*, is considered the seminal work on the subject. He speaks often on issues of child development and child rearing and has appeared regularly on NBC's "Today Show."

A lecturer in psychiatry at Columbia University College of Physicians and Surgeons, Dr. Rosenthal has served as president of the American Association of Psychoanalytic Physicians, and chaired the New York Regional Chapter of Therapeutic Communities of America. He is a member of the Council on Foreign Relations, received the George Washington Kidd Award from Lafayette College in 1972, was honored by the New York Regional Chapter of Therapeutic Communities of America in 1976, and accepted the Director's Community Leadership Award from the Federal Bureau of Investigation in 1995.

SUNY Downstate Medical Center

SUNY Downstate Medical Center, formally known as the State University of New York Health Science Center at Brooklyn, is one of four academic health centers within the 64-unit State University of New York. Located on an urban campus in the East Flatbush section of Brooklyn, SUNY Downstate includes the College of Medicine, School of Graduate Studies, College of Nursing, College of Health Related Professions, a major research center, and University Hospital of Brooklyn.

Over the years, SUNY Downstate has undergone several name changes. In 1856, two physicians established a dispensary in downtown Brooklyn to provide care for poor immigrants. The Long Island College Hospital grew out of this dispensary. In 1858 the state granted the hospital's request for a charter to launch a medical school. The school, which opened its doors two years later, revolutionized medical education in the United States. The new school was unique because, for the first time in this country, the teaching of medicine was brought to the hospital bedside and the idea that physicians should be trained exclusively in university classrooms and lecture halls was rejected. It was truly a *college hospital*.

In 1931 the school was rechartered as the Long Island College of Medicine, with affiliated hospitals throughout Brooklyn. The "Downstate" era began on April 5, 1950 with a special ceremony at the Waldorf Astoria Hotel, where a merger contract was signed between the Long Island College of Medicine and the newly constituted State University of New York. Several years later, the current campus was built in East Flatbush. In April 1953, ground was broken for the Basic Sciences Building, and President Dwight D. Eisenhower laid the cornerstone in 1954. The complex was expanded in 1966 with the opening of University Hospital of Brooklyn. The School of Graduate Studies, the College of Health Related Professions, and the College of Nursing were also added that year.

Today, SUNY Downstate is the focal point of a health education network that encompasses 30 hospitals, with a campus of 13 acres, a total student body of 1,500, a faculty of 3,900 (including full-time, part-time, and voluntary staff), and support staff of 3,300. In 1998, one of its researchers, Dr. Robert F. Furchgott, received the Nobel Prize in Medicine.

Faculty Members Serving as Marshals

Olcay Batuman, M.D. Associate Professor of Anatomy & Cell Biology

Paulette Bernd, Ph.D. Professor of Anatomy & Cell Biology

Thomas P. Bradley, M.D. Assistant Professor of Medicine

Hugh Carroll, M.D. Distinguished Teaching Professor of Medicine

Margaret Clark-Golden, M.D. Clinical Associate Professor of Pediatrics

Eva B. Cramer, Ph.D. Professor of Anatomy & Cell Biology and Vice President for Biotechnology and Scientific Affairs

Donald Gerber, M.D. Professor of Medicine

Marcia Gerber, M.D. Clinical Associate Professor of Medicine and Director of Student/Employee Health Service

Constance Hill, M.D. Clinical Professor of Anesthesiology and Associate Dean for Minority Affairs

Theophilus Lewis, M.D. Clinical Associate Professor of Surgery

Michael Lucchesi, M.D. Associate Professor and Chairman of Emergency Medicine

Maureen McLeod, Ph.D. Professor of Microbiology & Immunology

Julie I. Rushbrook, Ph.D. Professor of Biochemistry

Jerome G. Stempak, Ph.D. Associate Professor of Anatomy & Cell Biology

Robert K.S. Wong, Professor and Chairman of Physiology & Pharmacology

SUNY Board of Trustees

Thomas F. Egan, J.D.
Chairman

Aminy I. Audi

Edward F. Cox, J.D.

Randy A. Daniels

Candace de Russy, Ph.D.

Gordon R. Gross

Daniel J. Hogarty, Jr., M.B.A.

Christopher J. Holland

Lou Howard

Pamela R. Jacobs

Celine R. Paquette, R.N., Ed.D.

Nelson A. Rockefeller, Jr., M.B.A.

Patricia A. Stevens, M.Ed.

Harvey F. Wachsman, M.D., J.D.

Robert L. King, J.D.

Chancellor State University of New York

John J. O'Connor

Vice Chancellor and Secretary of the University

The Academic Procession

The procession is led by the presiding marshal. Other members of the procession include faculty marshals (chosen by the graduates), faculty members, deans, honorary degree recipients, and the president of SUNY Downstate.

The academic gown worn by procession members is said to be symbolic of the “democracy of scholarship,” for it covers any dress of rank or social standing underneath.

Academic gowns originated in the Middle Ages, the period when universities were beginning to take form. At that time, most scholars were also clerics—and therefore dressed as clerics, in long gowns. Over time, the gown became the accepted dress code for scholars: in England, in the second half of the 14th century, for example, several colleges forbade “excess in apparel” and decreed the wearing of long gowns.

The assignment of colors to signify different academic disciplines developed much later, and was standardized in the United States in the late 19th century. In 1895, an intercollegiate commission composed of representatives from leading colleges established a code of academic dress that prescribed cut, style, and materials of the gowns, as well as colors to represent different fields of learning. Today, academic dress code is regulated by a formal Committee on Academic Costumes and Ceremonies created by the American Council on Education in 1952.

The gown is usually black for all degrees, with variations in the sleeves, the front cut, and trim. The bachelor’s degree gown is black with long pointed sleeves. The master’s degree gown is black without trim and has oblong sleeves so the upper part of the arm comes through the slit in the sleeve. Doctoral (Ph.D.) gowns are black with bell-shaped sleeves. Mortarboards (caps) with tassels have their own significance. Master’s and bachelor’s tassels are black, while the Ph.D. tassel may be black or gold; medicine is green.

Hood colors indicate the field of learning: dark blue—philosophy; green—medicine; light blue—education; apricot—nursing; science—golden yellow; history—white; law—purple; psychology—dark blue.

Details of academic attire may vary depending on where faculty members completed their degrees. Some foreign degree holders, for example, wear special hats, distinctive to their degree and institution. Whatever the differences, however, the governing tradition is continuity of the academic symbols from the Middle Ages.

The Hippocratic Oath

I do solemnly swear by that which I hold most sacred:

That I will be loyal to the profession of medicine
and just and generous to its members;

That I will lead my life and practice my art
in uprightness and honor;

That whatever house I shall enter, it shall be for the good
of the sick to the utmost of my power;

That I will hold myself aloof from wrong;

That I will exercise my art solely for the cure of my patients,
and will give no drug and perform no operation
for a wrongful purpose;

That whatsoever I shall see or hear of the lives of men
and women that should not be spoken, I will keep secret;

These I do promise, and in proportion as I am faithful
to this my oath may happiness and good repute be ever mine.

