

The  
Class of 1998  
Commencement

The College  
of Medicine

and

The School  
of Graduate Studies

of

The State University  
of New York  
Health Science  
Center at Brooklyn

Three O'Clock  
Thursday Afternoon, May 21, 1998  
Carnegie Hall • New York City, New York

# The Commencement Program

Presiding Marshal

Eva B. Cramer, Ph.D.

*Assistant Dean for Basic Science Education*

Processional

*(Audience, please rise for the Processional.)*

Greetings from the President

Eugene B. Feigelson, M.D.

*Interim President and Dean, College of Medicine*

Greetings from the Graduates

Jay Yew

*College of Medicine, Class of 1998*

Sabina Hrabětová

*School of Graduate Studies, Class of 1998*

Greetings from the Alumni Association

Bruce L. Gordon, M.D., Class of '68

*President, Alumni Association*

Conferring of Honorary Degrees

Eugene B. Feigelson, M.D.

Honorary Degree Recipients

Donald F. Klein, M.D.

Luc Montagnier, M.D., Ph.D.

Susan M. Love, M.D.

Hooding of Honorary Degree Recipients

Frank E. Lucente, M.D.

*Vice Dean, College of Medicine*

*Chairman, Department of Otolaryngology*

Introduction of Commencement Speaker

Eugene B. Feigelson, M.D.

Commencement Address

Susan M. Love, 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

Eugene B. Feigelson, M.D.

Awarding of Diplomas

Eugene B. Feigelson, M.D.

Susan Schwartz-Giblin, Ph.D.

Mimi Halpern, Ph.D.

*Professor of Anatomy and Cell Biology*

Hooding of Candidates

Thesis Research Sponsors and

Maureen McLeod, Ph.D.

*Associate Professor of Microbiology & Immunology*

## College of Medicine Granting of the M.D. Degrees

Presentation of Candidates

Roger Q. Cracco, M.D.

*Vice Dean, College of Medicine*

*Chairman, Department of Neurology*

Conferring of Degrees

Eugene B. Feigelson, M.D.

Awarding of Diplomas

Eugene B. Feigelson, M.D.

Laura J. Mandel, M.D.

*Associate Dean for Medical Education*

Hooding of Candidates

Richard J. Macchia, M.D.

*Distinguished Teaching Professor*

*Chairman, Department of Urology*

Hugh J. Carroll, M.D.

*Distinguished Teaching Professor*

Administration of the Hippocratic Oath and  
Remarks

Eugene B. Feigelson, M.D.

Recessional

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

*(See page before last for Music Program.)*

# School of Graduate Studies

## Ph.D. Degree

**Yixue Cao**, Microbiology & Immunology  
Characterization of Snf5p and an essential homolog, Sfh1p, components of two distinct chromatin-remodeling complexes in yeast.  
Fellow, University of California, San Diego

**Shing Chin**, Biochemistry  
Retinoic acid and thyroid hormone regulation of Na/K-ATPase  $\alpha 3$  gene expression.  
Fellow, The Mount Sinai Medical Center

**André Fenton**, Neural & Behavioral Science  
How two cues conjointly control hippocampal place fields.  
Research Scientist, Institute of Physiology, Academy of Sciences of the Czech Republic, Czech Republic

**Glen Frick**, Pharmacology  
The short- and long-term effects of chronic late postnatal blockade of the dopamine transporter on dopamine D<sub>1</sub> and D<sub>2</sub> receptors in the rat brain.  
Intern, Neurosurgery Residency Program, Allegheny Hospitals, Hahnemann  
Harry L. Graber, Physiology & Biophysics  
Optical tomographic imaging of highly scattering media.

**Gary Gang Guo**, Anatomy & Cell Biology  
Characterization of a 240 kDa proteasome regulator CF-2.  
Fellow, New York Medical College, Valhalla

**Sabina Hrabetová**, Pharmacology  
Induction and maintenance of bidirectional activity-dependent synaptic plasticity.  
Fellow, New York University

**Jianmin Huang**, Biochemistry  
Analysis of fast myosin heavy chain isoforms at the mRNA level.  
Fellow, Cornell University Medical Center

**Peng Li**, Microbiology & Immunology  
Ran1<sup>+</sup> regulation of meiosis in fission yeast.  
Fellow, Rockefeller University

**Daliang Liu**, Microbiology & Immunology  
Hemin induction of globin gene expression associated with activation of the trans-activation domain but not the DNA binding domain of the hematopoietic transcription factor NF-E2.  
Fellow, Memorial Sloan-Kettering Cancer Center

**Elizabeth Sublette**, Pharmacology  
Purification and characterization of atypical protein kinase C from bovine brain.  
Resident in Psychiatry, Long Island Jewish Medical Center

**Congxiao Wang**, Anatomy & Cell Biology  
Aberrant induction of interferon-responsive genes by transient transfection of mammalian cells.

**Su Wang**, Physiology & Biophysics  
Myocardial stiffness in acute ischemia.  
Fellow, National Institute of Aging, National Institutes of Health

# College of Medicine

- Ata J. Abdollahzadeh Surgery /Oral Surgery  
Andrea Elizabeth Arena Family Practice  
Kidane Hailemariam Assefa Ophthalmology  
\* Kamran Atabai Internal Medicine  
Sabino Anthony Augello Internal Medicine  
Galia Theresa Austin-Leon Pediatrics  
Noor Saba Azimi Surgery  
Fiona Okwuchi Azubuikwe Pediatrics  
Marianne Bailliet Obstetrics/Gynecology  
Avi Chanan Baitner Research  
Vladislav Bargman Urology  
Michael John Barker Surgery  
Donald Peter Baumann Surgery  
Esther Bekritsky Pediatrics  
\* Charlotte Martha Blanc  
Jeffrey Bobrowitz Pediatrics  
Ellen Bondar Internal Medicine  
Victoria Marie Borgia Family Practice  
Carla Jean Bowman Family Practice  
Sandra Flavia Braganza Pediatrics Primary  
Daniel Joseph Brouder Internal Medicine  
Edward Gumersindo Carbonell Internal Medicine  
Cheryl Ann Carter Obstetrics/Gynecology  
Joseph Michael Caruso Surgery  
Dawn C. Caselnova Family Practice  
Lucien Dylan Catania Family Practice  
Robin Y. C. Chan Medicine/Pediatrics  
Kenneth Y. Chao Neurology  
Chih Ming Chen Internal Medicine Primary  
Kevin Mun Chin Internal Medicine  
Angel Cho Obstetrics/Gynecology  
Jai Hyuk Choi Radiology  
Abaid ullah Ahwar Choudry Internal Medicine  
Hetty Chung Obstetrics/Gynecology  
Jeff Chung Internal Medicine Primary  
\* Loretta M. Coady Surgery  
Thomas Michael Cottone Obstetrics/Gynecology  
Patrick Michael Davis Emergency Medicine  
\* Hargovind Singh Dewal Orthopedic Surgery  
\* Dina Di Sibio Addamo Internal Medicine  
Ingrid Marie Dodard Pediatrics  
Charles John Doering Ophthalmology  
\* Tara Candice Douglas Surgery  
Abike Ogunrenike Durojaye Internal Medicine  
Michael Phillip Ehrenhaus Obstetrics/Gynecology  
\* Sarah M. Eisenberg Medicine/Pediatrics  
\* Jon Peter Engbretson Radiology  
Jeremy Umali Espino Internal Medicine  
Behnam Farahdel Neurology  
Alexander Fariborzian Psychiatry  
Sareena Shereen Fazili Obstetrics/Gynecology  
\* William Andrew Fife Family Practice  
Margaret Fiumano Pediatrics  
Maryellen Bridget Flaherty Pediatrics  
Jeffrey Louis Foti Pediatrics  
Gail Allison Fraser Internal Medicine  
Glen Steven Frick Neurosurgery  
Simon Galapo Anesthesiology  
Justin Kidd Gandia Obstetrics/Gynecology  
Evan Howard Garner Psychiatry  
Dana B. Gellis Radiology  
Matthew I. Gerstein Urology  
Gregory Halsey Gilbert Emergency Medicine  
Pierre Samir Girgis Neurosurgery  
\* Aleksandr Gleyzer Emergency Medicine  
Baiju Chiman Gohil Surgery  
Adina Rivka Goldfarb Neurology  
Celeste Ann Goodman Internal Medicine

Mark Clifford Goodman Emergency Medicine  
Elaine Gorelik Internal Medicine  
Michele Lynn Gorlitsky Pediatrics  
\* Matthew Edwin Grohowski Radiology  
Barry Grossman Internal Medicine  
Monique S. Hanono Pediatrics  
Besma Muneer Haque Internal Medicine  
Boris Havkin Urology  
Caroline Diane Hayes Pediatrics  
Laura Herrera Family Practice  
\* Ranella Joy Hirsch Internal Medicine  
\* Sonya Jimi Hwang Obstetrics/Gynecology  
\* Maria Ieni Pediatrics  
Helen Jablonowski Pediatrics  
Waheed Jalalzai Radiology  
Shibrah Maryam Jamil Anesthesiology  
Demesvar Antoine Jean-Baptiste Surgery  
Christopher Dale Johnson Emergency Medicine  
Kathleen Joseph Medicine/Pediatrics  
Matthew Foster Kamil Internal Medicine  
David Elliott Kanter Pediatrics  
Lauren Beth Kaplan Pediatrics  
Yevgeniy Kaplan Obstetrics/Gynecology  
Nicholas Theodore Karanikolas Urology  
\* Matthew Elan Karlovsky Urology  
Yuki Kashiwabara Obstetrics/Gynecology  
David E. Kavesteen Internal Medicine  
Bibi Nazeema Khan Pediatrics  
Toseef Khan Radiology  
Dongsoo David Kim Surgery /Oral Surgery  
Susan Kim Internal Medicine  
Tingting Christine Ko Emergency Medicine  
\* Sean Sungwook Koh Ophthalmology  
\* Lauren Kondev Pediatrics Primary  
Mari Konishi Obstetrics/Gynecology  
Mindy Kwan Obstetrics/Gynecology  
\* Ashkan Lahiji Surgery  
Gordon Kahang Lai Radiology

Anand Pankaj Lalaji Radiology  
Michael Langiulli Internal Medicine  
Richard Patricij Lango Neurology  
Natalie Langston-Davis Pediatrics  
Edward Lathan Emergency Medicine  
Hanh Le Physical Medicine & Rehabilitation  
\* Ada Shuk Chong Lee Pediatrics  
Christopher J. Lee Emergency Medicine  
\* Dong Heun Lee Internal Medicine  
Craig C. Lerman Emergency Medicine  
David B. Levy Family Practice  
Ruth Ann Lin Internal Medicine  
Simon C. Lin Medicine/Pediatrics  
Shengwu Dennis Liu Internal Medicine  
Martha Louis Obstetrics/Gynecology  
Jyh-haur Lu Neurology  
Vanthanh Ly Internal Medicine  
Edward Ma Radiology  
Rex Ma Physical Medicine & Rehabilitation  
\* Pedram Majidishad Internal Medicine  
Magen Dror Marcus Medicine/Pediatrics  
\* Arkady Aaron Markovich Surgery  
\* Gregory Michael Martin Orthopedic Surgery  
Nandita Mathur Pediatrics  
Lizbeth Mendoza Family Practice  
Ulises Paul Militano Orthopedic Surgery  
James Byeongwoo Min Family Practice  
\* Hamid R. Miraliakbar Orthopedic Surgery  
Altagracia Miranda Medicine/Pediatrics  
Miles Frederic Mitchell Family Practice  
Derrick Allen Moore Internal Medicine  
Stephen Kimberly Mosier Anesthesiology  
Amitasrigowri Sreenivasa Murthy  
Obstetrics/Gynecology  
Mayra Esther Nadal Pediatrics  
Levica Harri Narine Obstetrics/Gynecology  
Tsz Wang Ng Radiology  
Raluca Christiana Nicolae Radiology

Lori Nigam Internal Medicine  
 Maya Noyman Internal Medicine Primary  
 \* Deborah Lynn Nucatola Obstetrics/Gynecology  
 Aspan Singh Ohson Radiology  
 Agata Katarzyna Olszowska Family Practice  
 Brian Jon Oricoli Physical Medicine & Rehabilitation  
 Edward Ostad Urology  
 \* Alexander Ovchinsky Otolaryngology  
 Nisha K. Parekh Internal Medicine  
 John Vincent Parnell Radiology  
 Tania Parsa Emergency Medicine  
 Hiral Ramesh Patel Obstetrics/Gynecology  
 Pragna Patel Internal Medicine  
 Carlos Manuel Perez Emergency Medicine  
 Jennifer Lyn Pintiliano Pediatrics  
 Steven Francis Piriano Emergency Medicine  
 Jose Roman Polanco Internal Medicine Primary  
 Sing-Wing Poon Surgery  
 Christian Arturo Prada Surgery  
 Helen Punwaney Pediatrics  
 Christopher Cato Punzalan Emergency Medicine  
 Nagma Andalib Rahman Internal Medicine  
 Jesi Anthony Ramone Internal Medicine  
 \* Russell Wayne Raskin  
 Internal Medicine/Emergency Medicine  
 Shahid Rasul Internal Medicine Primary  
 Meredith L. Rochon Obstetrics/Gynecology  
 Kevin Edward Rosas Orthopedic Surgery  
 \* Daniel David Sacolick Internal Medicine  
 Paulus Liem Santoso Obstetrics/Gynecology  
 Cesar Eduardo Sanz Surgery  
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 Angela Hedaya Sweeny Emergency Medicine  
 Tara Leigh Taylor Internal Medicine  
 Hassan A. Tetteh Surgery  
 Ann H. Tran Internal Medicine Primary  
 Hsueh-Min Tung Internal Medicine  
 Aaron Robert Turkish Pediatrics  
 Nicholas Tzakas Pediatrics  
 \* David Bennett Wax Radiology  
 Aaron Weinreb Obstetrics/Gynecology  
 Lawrence Wilenkin Anesthesiology  
 Lily Wong Obstetrics/Gynecology  
 Maicie Mei Yee Wong Pediatrics  
 Karen Joan Yan Pediatrics Primary  
 Steve Lihsing Yang Radiology  
 Regina Yavel Dermatology  
 Altan Omer Yenicay Anesthesiology  
 Jay Yew Urology  
 Don Chan Yoo Radiology  
 \* Ryan Jay S. P. Zapata  
 Internal Medicine/ Emergency Medicine  
 \* Jin Xiu Zhang Internal Medicine

### Distinction in Research

Kevin Mun Chin  
 Ranella Joy Hirsch  
 David E. Kavesteen

### Commendation in Investigative Scholarship

Gregory Halsey Gilbert  
 Adina Rivka Goldfarb

\* Denotes Alpha Omega Alpha Medical Honor Society

# Honorary Degree Recipient

## Doctor of Science: Donald F. Klein, M.D.

Donald F. Klein, an alumnus of the State University of New York Health Science Center at Brooklyn, has been a dominant figure in twentieth century psychopharmacology. Dr. Klein's theoretical and clinical impact on therapeutic practice has been enormous. His pioneering work applying both psychological and pharmaceutical approaches to therapy has become standard procedure in the treatment of psychiatric disorders and chronic emotional distress. Rarely have a medical researcher's accomplishments alleviated as much human suffering as Donald Klein's.

Dr. Klein graduated from the College of Medicine of the Health Science Center, then known as Downstate Medical Center, in 1952. He entered medical training intending to become a psychoanalyst. However, during his internship and residency he became particularly interested in the then-new field of psychopharmacology. He commenced a lifetime of research covering a range of interests from childhood anxiety and hyperactivity through adult schizophrenia, unipolar and bipolar depression, panic disorder, social phobia, and personality disorder.

Dr. Klein was influential in establishing the diagnosis of panic disorder, with and without agoraphobia, as well as developing a firm basis for the diagnosis of atypical depression, hysteroid dysphoria, and childhood asocial schizophrenia. He created the concept of panic disorder as a real entity by distinguishing the spontaneous panic attack from the state of chronic anticipatory anxiety and, in doing so, naming it panic attack. He developed the integrative theory of a suffocation false alarm as an explanation of apparently spontaneous panic. This theory has received worldwide attention.

The combined forces of his intellect and his enthusiasm have had an impressive effect on the status of pharmacology. An example of his accomplishments is the identification of distinctions between consummatory pleasure and appetitive pleasure and their associated activities as they apply to endogenomorphic – as opposed to reactive – depression. This analysis points to which specific class of medications will be most effective in patient treatment.

Dr. Klein has demonstrated lifelong commitment to effective written communication. Early in his career he co-authored the first textbook of clinical psychopharmacology, *Diagnosis and Drug Treatment in Psychiatric Disorders*. His many editorial assignments include extensive experience with the *Archives of General Psychiatry*. He is currently on the editorial board of ten peer review journals. He has also been section editor for *Neuropsychopharmacology* and *The American Psychiatric Press Textbook of Psychopharmacology*. He is the author of more than 400 articles, and more than 300 chapters, abstracts, reviews, and published letters.

Dr. Klein has made informing the general public of advances in psychiatric treatment one of his priorities. Of the 18 books he has published, two are specifically tailored to educate the lay public regarding biopsychiatry, psychotherapy, and depression: *Mind, Mood and Medicine: A Guide to the New Biopsychiatry* and, more recently, *Understanding Depression*.

The quintessential professional, he has served as a leader or member of task forces, special studies, and special committees including 14 federal consultancies. His research grants have included 12 NIMH supported grants in the area of treatment research, as well as one from NIDA, and numerous grants from the pharmaceutical industry. He is a much sought-after visiting professor, and has been the recipient of numerous prestigious professional awards.

Dr. Klein is highly regarded for his dedication to the training and education of others in psychiatry. He demonstrated his commitment by forming the National Foundation for Depressive Illness, an organization devoted to educating practitioners and the public about depression.

Dr. Klein is professor of psychiatry at the College of Physicians and Surgeons of Columbia University, and attending psychiatrist at the Presbyterian Hospital in New York City. He also serves as the director of psychiatric research, New York State Psychiatric Institute. He received his undergraduate degree *magna cum laude* from Colby College and attended the New York University Graduate School Program in biology. A native New Yorker, he collaborates in research with his daughter, Hilary Klein, M.D., and his wife, Rachel Klein, Ph.D.



# Honorary Degree Recipient

## Doctor of Science: Luc Montagnier, M.D., Ph.D.

Professor Luc Montagnier and his research team discovered the Human Immunodeficiency Virus (HIV), the virus that causes Acquired Immunodeficiency Syndrome, better known as AIDS. This extraordinary scientific breakthrough made possible the creation of a reliable diagnostic test for the disease and the development of treatment modalities.

Dr. Montagnier had established himself as a leading scientist long before the advent of AIDS. A native of France, Professor Montagnier received his undergraduate degree from the Universities of Poitiers and Paris in 1955 and his medical degree from Paris University in 1960. He then served as a research fellow in the Virus Research Unit of the Medical Council in Great Britain followed by another research fellowship at the Institute of Virology in Glasgow. Returning to France in 1965, he headed a laboratory of the Radium Institute in Orsay until 1972.

At that time, Professor Montagnier received his first appointment at the prestigious Pasteur Institute as head of the Viral Oncology Unit. Ten years later, AIDS was recognized as a killer of gay men and intravenous drug users in the United States and Europe and of heterosexuals in several African and Caribbean countries, and the race was on to discover its cause. Professor Montagnier first isolated the virus that causes AIDS (HIV-1) in 1983, and discovered a second AIDS virus (HIV-2) in 1985.

However, Dr. Robert Gallo of the National Cancer Institute also claimed discovery of the AIDS virus in 1984. When Dr. Gallo's virus turned out to be almost genetically identical to the one discovered in Professor Montagnier's laboratory, controversy ensued. Throughout this period of speculation, Dr. Montagnier remained the consummate professional and emerged with his reputation enhanced. In the end, Dr. Gallo conceded discovery of the virus to Dr. Montagnier. Dr. Gallo is credited with developing the first AIDS blood test.

Together, these two most prominent AIDS researchers wrote an article for *Scientific American* in 1988, calling upon everyone to take responsibility to "learn how HIV is spread, reduce risky behavior, raise our voices against acceptance of the drug culture, and avoid stigmatizing victims of the disease. If we accept such responsibilities, the worst element of the nightmare will have been removed from the AIDS epidemic."

Throughout these years of discovery and controversy, Luc Montagnier never lost sight of the devastating suffering caused by the AIDS epidemic, especially in the developing nations that were the least equipped to deal with it. To address these horrifying consequences, Professor Montagnier and Federico Mayor, director general of UNESCO, founded the World Foundation for AIDS Research and Prevention (WFARP) in 1993. The nonprofit organization's goal is to mobilize private initiatives worldwide to complement public measures, conduct innovative research, and provide support for victims and preventive education.

As WFARP's president, Professor Montagnier made the organization's first priority a scholarship program for African orphans whose parents died of AIDS. One of SUNY Brooklyn's scientists, Dr. Jack DeHovitz, was able to obtain a WFARP grant to educate health providers in Eastern Europe about innovations in AIDS therapies and prevention techniques. WFARP recently opened the Integrated Center for Clinical and Biomedical AIDS Research in Abidjan, Ivory Coast.

Professor Montagnier is the author of many articles on virology, as well as the anthropology and sociology of HIV infection, and is in constant demand as a speaker at symposia and conferences worldwide. In his book, *Des Virus et des Hommes* (Of Viruses and Men), published in 1994, he gives his personal account of the discovery of HIV; an English language version is being prepared for publication in the fall of 1998.

Last year, Queens College of the City University of New York recruited Professor Montagnier to head its new Salick Family Center for Molecular and Cellular Biology. He was also named the college's first Bernard and Gloria Salick Distinguished Professor in Molecular and Cellular Biology. The new center aims to develop therapeutic modalities and vaccines to control the spread of HIV.

# Commencement Speaker and Honorary Degree Recipient

## Doctor of Science: Susan M. Love, M.D.

Susan M. Love, an alumna of the State University of New York Health Science Center at Brooklyn, has made invaluable contributions to human health in her roles as surgeon, educator, author, and advocate. As a child growing up in New Jersey and later in Mexico, Dr. Love knew she wanted to be a physician because she saw that as the best way to help people in need. As a premed student at Notre Dame of Maryland in Baltimore, however, she had a spiritual awakening and decided to become a nun. In spite of her willingness to spend her life doing good works, she discovered that the convent life was not for her. She then resumed her college education, graduating from Fordham University in 1970. She graduated *cum laude* from the College of Medicine of the Health Science Center at Brooklyn, then called Downstate Medical Center, in 1974, and did her residency in surgery at Beth Israel Hospital in Boston.

Upon completing her residency, Dr. Love became the first female surgeon on staff at Beth Israel. In 1982, she joined the staff of the Dana Farber Breast Evaluation Clinic, the nation's first comprehensive multi-disciplinary center for breast care. In 1988, she founded the Faulkner Breast Center in Boston. This was the first facility in the United States to have a multi-disciplinary all-woman staff, including five surgeons, two clinical nurse specialists, a plastic surgeon, radiation therapist and medical oncologist. The program has received national acclaim and continues to combine patient care with cancer research and fellowships in breast surgery. Dr. Love progressed from clinical fellow to assistant clinical professor in surgery at Harvard Medical School.

In 1992, UCLA recruited Dr. Love to be the first director of the UCLA/Revlon Breast Center. Reflecting her overall philosophy, the UCLA program focuses on the whole woman with special services for high-risk patients, extensive follow-up, and support. As head of the center, Dr. Love developed the first comprehensive practice guidelines on breast disease, which were published in January 1996 in *The Cancer Journal from Scientific American*. At UCLA, Dr. Love has served as associate professor of clinical surgery and Revlon Chair in women's health.

While Dr. Love's accomplishments as a medical leader and clinician are outstanding, it is in her role as an outspoken advocate for women's health that she has touched and indeed saved the lives of millions of women. Her frustration at the lack of progress in breast cancer research led her to found the National Breast Cancer Coalition. This advocacy group of breast cancer patients and supporters has taken political action, which has resulted in the increase of federal research funding for breast cancer from \$90 million to \$410 million in just two years. In 1993 Dr. Love delivered a two-million-signature petition to President Clinton, asking for a National Action Plan for Breast Cancer. She is now one of the co-chairs of this initiative, which brings together scientists, business people, and politicians in an unprecedented effort to end breast cancer.

Dr. Love's role as advocate and educator led her to become a best-selling author. Her book, *Dr. Susan Love's Breast Book*, is considered by critics to be the most accessible book on breast cancer ever written. It is now in its second edition. In addition, Dr. Love co-authored the 1995 text, *Atlas of Surgical Techniques in Breast Surgery*. Her book on menopause and the hormone dilemma, *Dr. Susan Love's Hormone Book*, was released in 1997 and was on *The New York Times'* bestseller list for seven weeks.

Dr. Love is as pioneering and outspoken in her personal life as she is in the professional realm. Dr. Love and her life-partner, Dr. Helen Cooksey, won a four-year battle with the Massachusetts courts to jointly adopt their daughter. This groundbreaking legal decision for same-sex couples ensures the nonbiological parent's legal rights to parental custody in case the couple separates or the mother dies. (Dr. Love is the biological mother of their daughter.)

Dr. Love left her position as head of the UCLA/Revlon Breast Center last year to pursue her research and medical advocacy interests on a full-time basis. She is principal investigator of a \$500,000 Department of Defense grant, and is attending business school in order to improve the health care of women within the parameters of managed care.

# The SUNY Health Science Center at Brooklyn

The State University of New York Health Science Center at Brooklyn is one of four such campuses within the 64-unit State University of New York. Located on an urban campus in the East Flatbush section of Brooklyn, the Health Science Center includes the College of Medicine, the School of Graduate Studies, College of Nursing, College of Health Related Professions, a major research center, and the University Hospital of Brooklyn.

The Health Science Center's history spans over 130 years, during which time it 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 of the SUNY Health Science Center at Brooklyn was built in East Flatbush. In April 1953, ground was broken for the current 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.

In 1985, the school celebrated the 125th anniversary of the College of Medicine, at which time the institution became known as the State University of New York Health Science Center at Brooklyn, a name that reflects the full scope of the Center's activities.

Today, the Health Science Center is the focal point of a health education network that encompasses 26 hospitals, with a campus of 13 acres, a total student body of 1,500, a faculty of 3,500 (including full-time, part-time and voluntary staff), and support staff of 3,000.

# 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 the Health Science Center.

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.

# Faculty Members Serving as Marshals

Hugh J. Carroll, M.D. Distinguished Teaching Professor

Eva B. Cramer, Ph.D. Professor of Anatomy and Cell Biology and Assistant Dean for Basic Science Education

Ethan Fried, M.D. Assistant Professor of Medicine

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

Mimi Halpern, Ph.D. Professor of Anatomy and Cell Biology

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

Stephan L. Kamholz, M.D. Professor and Chairman of Medicine

Albert Kaufman, Ph.D. Associate Professor of Physiology

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

Richard J. Macchia, M.D. Distinguished Teaching Professor and Chairman of Urology

Thomas G. McGinn, M.D. Clinical Associate Professor of Medicine

Maureen McLeod, Ph.D. Associate Professor of Microbiology and Immunology

Hermann Mendez, M.D. Associate Professor of Pediatrics

Josef Michl, M.D. Associate Professor of Pathology

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

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

# State University of New York

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Miles L. Lasser, L.L.B., C.P.A.  
Edward S. Nelson, L.L.B.  
Paul R. Perez, M.B.A.  
Harvey F. Wachsman, M.D., J.D.

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John W. Ryan, Ph.D.  
*Chancellor*  
*State University of 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: George Zorko (Tenor), Benjamin A. Rosenberg (Tenor/Bass, also Bass Trumpet). Trumpets: Kevin Blancq, Anthony Bavota, and Joseph Schufle (also Piccolo Trumpets).

The National Anthem, sung by Soloist Tina Catalano.

\*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)

## Recessional

Rondeau (1729, J. J. Mouret)

Trumpet Voluntary (1700, J. Clarke)

“See the Conquering Hero Comes” from *Judas Maccabeus* (1746, G. F. Handel)

March from *Judas Maccabeus*

Theme from Concerto Grosso, No. 8 (1714, A. Corelli)

# 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.



