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2000 Commencement for Jefferson Medical College and College of Graduate Studies

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176TH
COMMENCEMENT



*Jefferson Medical College
College of Graduate Studies*

of

Thomas Jefferson University

Philadelphia, Pennsylvania

1824-2000

*Friday, June Ninth
Two Thousand
Half Past Ten O'clock*

The Academy of Music

THE OATH OF HIPPOCRATES

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

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

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

That I will give respect and gratitude to those who
have taught me this art;

That into whatsoever house I shall enter, it shall be
for the good of the sick to the utmost of my power,
I holding myself aloof from wrong, from corruption,
from the tempting of others to vice;

That I will exercise my art for the best care of my
patients,
and I will give no drug, perform no operation for
a criminal purpose, even if solicited far less
suggest it;

That whatsoever I shall see or hear of the lives of
my patients which is not fitting to be spoken,
I will keep inviolably secret.

These things I do promise upon my honor.

PROCESSIONAL TRUMPET VOLUNTARY JOHN STANLEY
THE JEFFERSON PROCESSIONAL BURLE MARX

OPENING PROCLAMATION DOUGLAS J. MACMASTER, ESQ, *Chairman-Elect*
Board of Trustees
Thomas Jefferson University

THE NATIONAL ANTHEM

INVOCATION REVEREND ROBERT HYSON
Trinity Evangelical Lutheran Church

CONVOCATION PAUL C. BRUCKER, *President*
Thomas Jefferson University

CONFERRING OF DEGREES IN COURSE PRESIDENT BRUCKER

Doctor of Philosophy
Presented by JUSSI J. SAUKKONEN, *Vice President*
for Science Policy, Technology Development,
and International Affairs and Dean
College of Graduate Studies

Doctor of Medicine
Presented by JOSEPH S. GONNELLA, *Senior Vice President*
for Academic Affairs and Dean
Jefferson Medical College

The Oath of Hippocrates THOMAS J. NASCA, MD, *Associate Dean*
for Academic Affairs and Affiliations
Jefferson Medical College

Master of Science
Presented by DEAN SAUKKONEN

CONFERRING OF HONORARY DEGREE PRESIDENT BRUCKER

FERID MURAD, *Doctor of Science*
Presented by DEAN SAUKKONEN

BENEDICTION REVEREND HYSON

RECESSIONAL POMP AND CIRCUMSTANCE ELGAR

THE REVEREND R. BRUCE TODD, *Organist*

Grand Marshal
R. ANTHONY CARABASI III

Faculty Marshals
THOMAS M. BUTLER CLARA A. CALLAHAN CHRISTOPHER V. CHAMBERS JAMES B. ERDMANN
GERALD B. GRUNWALD KAREN D. NOVIELLI JAMES S. STUDDIFORD RICHARD R. SCHMIDT
MARION J. SIEGMAN

Student Marshals
STACY CORTESE ARADHNA SAXENA

CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

- *SAMEER A. ANSARI (Biochemistry and Molecular Biology) Baton Rouge, LA
 B.S., The Pennsylvania State University
 Thesis Title: "HIV-1 Tat-mediated Transcription Through TAR RNA: Role of YB-1 and Cell Cycle Regulated NF-kb in Glial Cells"
 Thesis Advisor: Kamel Khalili, Ph.D.
- MARK A. ANTONYAK (Genetics) Binghamton, NY
 B.S., The State University of New York at Albany
 Thesis Title: "Elevated JNK Activation Contributes to Apoptosis in an in vitro Model of Transformation and in Primary Brain Tumors"
 Thesis Advisor: Albert Wong, M.D.
- CHRISTOPHER V. CARMAN (Molecular Pharmacology & Structural Biology) Gilmanton I.W., NH
 B.S., University of New Hampshire
 Thesis Title: "Characterization of Novel G Protein-Coupled Receptor Kinase Interactions and Functions"
 Thesis Advisor: Jeffery Benovic, Ph.D.
- ANDREA E. EDLING (Immunology) Ranshaw, PA
 B.S., Albright College
 Thesis Title: "The Effect of Small Molecular Inhibitors of CD4 on Experimental Allergic Encephalomyelitis"
 Thesis Advisor: Robert Korngold, Ph.D.
- *GARY L. GALLIA (Biochemistry and Molecular Biology) Philadelphia, PA
 B.S., University of Scranton
 Thesis Title: "Analysis of the Human Polyomavirus, JCV, and the Cellular Protein Pura"
 Thesis Advisor: Kamel Khalili, Ph.D.
- AARON GEIST (Microbiology and Molecular Virology) Westmont, NJ
 H.B.Sc., University of Western Ontario
 Thesis Title: "Characterization and Elimination of the Residual HIV-1 Virus through Novel Techniques"
 Thesis Advisor: Roger Pomerantz, M.D.
- SCOTT D. GRADIA (Genetics) Burlington, VT
 B.S., Iowa State University
 Thesis Title: "Signaling Human Mismatch Repair by the Formation of a hMSH2-hMSH6 Sliding DNA Clamp"
 Thesis Advisor: Richard Fishel, Ph.D.
- BRIAN KEITH HALAK (Immunology) Rockville, MD
 B.S.E., The University of Pennsylvania
 Thesis Title: "The Role of Interleukin-10 in Immune Escape by a Murine Transitional Cell Carcinoma"
 Thesis Advisor: Edmund C. Lattime, Ph.D.
 Acting Advisor: Laurence Eisenlohr, VMD, Ph.D.
- *CHRISTINE L. HANN (Biochemistry and Molecular Biology) Elkins Park, PA
 B.A. Bryn Mawr College
 Thesis Title: "Biochemical and Genetic Analysis of DNA Topoisomerase I-Induced Cell Killing"
 Thesis Advisor: Mary-Ann Bjornsti, Ph.D.
- CANDACE HOWARD-CLAUDIO (Genetics) Grayson, KY
 B.A., Transylvania University
 Thesis Title: "The Effects of RB2/p130 on Tumorigenesis"
 Thesis Advisor: Antonio Giordano, M.D., Ph.D.
- AN JIANG (Microbiology and Molecular Virology) Jiang Su, PR China
 B.S., Medicine, Nanjing Medical College
 Thesis Title: "The Construction and Applications of Cell-Type-Specific Retroviral Gene-Transfer Vectors Derived from Spleen Necrosis Virus: from in vitro to in vivo"
 Thesis Advisor: Ralph C. Dornburg, Ph.D.

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- *DAVID J. KOUBA (Biochemistry and Molecular Biology) Beach Haven Township, NJ
 B.S., Haverford College
 Thesis Title: "Transcriptional Regulation of $\alpha 2$ (I) Collagen (COLIA2) Gene Expression by Tumor Necrosis Factor- α "
 Thesis Advisor: Jouni Uitto, M.D., Ph.D.
- JONATHAN D. LARKIN (Pathology and Cell Biology) Philadelphia, PA
 B.S., Moravian College
 Thesis Title: "Ethanol Consumption Alters Hepatitis B Virus Activity and Associated Liver Disease in a Novel Transgenic SCID Mouse Model"
 Thesis Advisor: Mark A. Feitelson, Ph.D.
- CATHERINE L. NEARY (Pathology and Cell Biology) Ballwin, MO
 B.S., Purdue University
 Thesis Title: "The Role of the Cytoskeleton in Cell Death"
 Thesis Advisor: John L. Farber, M.D.
- EDWARD JOHN WHERRY III (Immunology) Yardley, PA
 B.S., The Pennsylvania State University
 Thesis Title: "The Role of Tripeptidyl Peptidase II in MHC Class I-Restricted Antigen Processing and the Effect of Epitope Density of CD8+ Cell Priming"
 Thesis Advisor: Laurence C. Eisenlohr, V.M.D., Ph.D.
- *WENDY A. WOODWARD (Biochemistry and Molecular Biology) Lebanon, PA
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 Thesis Title: "Regulation of Embryonic Limb Mesenchymal Chondrogenesis: Cell Adhesion and WNT Signaling"
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Family Practice — Riverside Regional Medical Center, VA

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Pediatrics — Thomas Jefferson University/duPont Hospital
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Radiation Oncology — Yale-New Haven Hospital, CT

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Internal Medicine — Yale-New Haven Hospital, CT

WILLIAM MICHAEL O'CONNOR Ardmore, PA
B.A., University of Pennsylvania
Medicine-Preliminary — Thomas Jefferson University
Hospital, PA

CHERI AI-SIM ONG Kuala Lumpur, Malaysia
Taylor's College of Melbourne
International Medical University
Surgery — University of Hawaii, HI

DANIEL R. ORCUTT Bridgewater, NY
B.A., Hartwick College
M.S., Western Michigan University
Orthopaedics — Penn. State Univ./Geisinger Medical Center
(Danville), PA

MICHAEL ANDERSON PADULA Philadelphia, PA
A.B., Princeton University
Pediatrics — Thomas Jefferson University/duPont Hospital
for Children, DE

PAUL PARK Downey, CA
B.A., The Johns Hopkins University
Medicine-Preliminary — New York Medical College
(Richmond), NY
Ophthalmology — Baylor College of Medicine, TX

DANIEL PAUL PETRO Donora, PA
B.S., University of Pittsburgh
Internal Medicine — University Health Center-
Pittsburgh, PA

KHANH THU PHAM Newark, DE
B.A., University of Delaware
Internal Medicine — University of California-Irvine Medical
Center, CA

ELISE CLAIRE PIEBENGA Fairway, KS
AOA
B.A., Colgate University
Pediatrics — Children's Memorial Hospital, IL

MARY MARTHA POMIDOR Pottstown, PA
magna cum laude
AOA
B.S., West Chester University
Ph.D., Thomas Jefferson University
Surgery — Thomas Jefferson University Hospital, PA

GAUTAM VENKAT RAMANI State College, PA
B.S., The Pennsylvania State University
Internal Medicine — University Health Center-
Pittsburgh, PA

SEEMA RATHI Cherry Hill, NJ
B.S., The Pennsylvania State University
Emergency Medicine — New York University Medical
Center, NY

DOUGLAS OTTO REALE West Hartford, CT
B.A., Massachusetts Institute of Technology
M.A., University of Texas, Austin
Pathology — Hospital of University of Pennsylvania, PA

LISA DOMINGO REALE Falls Church, VA
B.S., The Pennsylvania State University
Internal Medicine — Thomas Jefferson University
Hospital, PA

CLARE ELAINE REINHARDT Wilmington, DE
B.S., Ursinus College
Family Practice — Christiana Care, DE

MATTHEW FRANCIS REINHARDT Kansas City, MO
B.A., Northwestern University
Emergency Medicine — Christiana Care, DE

MARK ALLEN REZAC Los Angeles, CA
B.S., J.D., University of California, Los Angeles
Transitional — Albert Einstein Medical Center, PA
Ophthalmology — Wills Eye Hospital/Thomas Jefferson
University Hospital, PA

JOSEPH JOHN RICOTTA Buffalo, NY
magna cum laude
AOA
B.S., Yale University
Surgery — Johns Hopkins University Hospital, MD

RICHARD FRANCIS RIEDEL Toms River, NJ
cum laude
AOA
B.A., Colgate University
Internal Medicine — Duke University Medical Center, NC

AMY ROBINSON Wyoming, DE
B.A., University of Delaware
Family Practice — Christiana Care, DE

ERIC MICHAEL ROMANO Boca Raton, FL
B.S., The Pennsylvania State University
Medicine-Preliminary — Alton Ochsner Foundation, LA
Radiology-Diagnostic — University of Tennessee College of
Medicine (Memphis), TN

KELLY HERBERT ROSE Roslyn, PA
B.A., Franklin and Marshall College
Family Practice — Abington Memorial Hospital, PA

STEFAN PATRICK ROSENBACH Gettysburg, PA
B.A., Franklin and Marshall College
Emergency Medicine — Penn. State Univ./Geisinger
Medical Center (Danville), PA

EVAN RONALD SHAPIRO RUBINSTEIN Farmington Hills, MI
B.G.S., University of Michigan
Surgery — St. John Hospital, MI

TODD J. RUDO Baltimore, MD
cum laude
AOA
B.A., University of Delaware
Internal Medicine — Thomas Jefferson University
Hospital, PA

GREGORY DAVID RUDOLF Philadelphia, PA
B.A., Yale College
Family Practice — Providence Family/University of
Washington, WA

JOHN GEORGE RUMBAUGH Kensington, MD
B.S., University of Maryland
M.S., The Johns Hopkins University
Family Practice — Wolmack Medical Center, NC

DELTA D. RUSCHEINSKY Raleigh, ND
B.A., Swarthmore College
Family Practice — University of Minnesota Medical
School, MN

KATHERINE ANN SAHM Wilmington, DE
AOA
B.S., Lafayette College
Surgery — Christiana Care, DE

JONATHAN HOWARD SALVIN Philadelphia, PA
B.A., University of Delaware
Medicine-Preliminary — Lankenau Hospital, PA
Ophthalmology — Penn. State Univ./Geisinger Medical
Center, PA

SARAH A. SALWEN Schenectady, NY
B.S., Lehigh University
Internal Medicine — Christiana Care, DE

PATCHO N. SANTIAGO New City, NY
B.A., Yale University
Psychiatry — San Diego Medical Center, CA

JUSTIN ALAN SATTIN Yardley, PA
magna cum laude
B.A., University of Pennsylvania
Medicine-Preliminary — University of Virginia, VA
Neurology — University of Virginia, VA

J. DAVID SCHMIDT Rumford, ME
B.A., University of Vermont
Family Practice — Bryn Mawr Hospital, PA

MATTHEW ROSS SCHULMAN Allentown, PA
B.A., Franklin and Marshall College
Plastic Surgery — Mt. Sinai Hospital, NY

RANDALL MITCHELL SCHWARTZ Great Neck, NY
B.A., New York University
Pediatrics — University Hospital-Cincinnati, OH

KEVIN CHARLES SCOTT Newark, DE
B.A., University of Delaware
Urology — Penn. State Univ./Geisinger Medical Center
(Danville), PA

STEVEN PAUL SERES Portland, OR
B.S., University of Oregon
Internal Medicine — Emanuel/Good Samaritan
Hospital, OR

J. MILO SEWARDS Allentown, PA
B.S., The Pennsylvania State University
Orthopaedics — Temple University Hospital, PA

SUKEN H. SHAH Lansdale, PA
cum laude
AOA
B.S., The Pennsylvania State University
Surgery-Preliminary — University Health Center-
Pittsburgh, PA
Otolaryngology — University of Pittsburgh, PA

BENJAMIN SIEMANOWSKI Smyrna, DE
B.A., University of Delaware
Internal Medicine — University of Utah Affiliated
Hospitals, UT

ADAM EDWARD SILVERBLATT Palo Alto, CA
B.A., Pomona College
Internal Medicine — Oregon Health Science University, OR

JENNIFER JIL SILVERMAN Los Angeles, CA
B.A., University of California - Los Angeles
Medicine-Primary — Hospital of University of
Pennsylvania, PA

KEVIN S. SKOLE Cinnaminson, NJ
B.A., Emory University
Internal Medicine — Temple University Hospital, PA

ERIC BRANDON SMITH Easton, PA
cum laude
B.S., Lehigh University
Orthopaedics — Thomas Jefferson University Hospital, PA

MORTON DANIEL SOSLAND New City, NY
A.B., Harvard University
MBA, Wharton School
Psychiatry — Temple University Hospital, PA

CHRISTOPHER DAVID SPAHR Danville, PA
cum laude
B.A., Cornell University
Pediatrics — University of Chicago Hospital, IL

MONICA L. SPEICHER Latrobe, PA
B.S., Allegheny College
Family Practice — Washington Hospital, PA

JONATHAN BRADY STALLKAMP Haverford, PA
B.S., Yale University
Internal Medicine — McGaw Medical Center/Northwestern
University, IL

TED STETTNER Oakland, CA
B.A., Amherst College
Emergency Medicine — Temple University Hospital, PA

JASON CHRISTOPHER STILLWAGON Greensburg, PA
B.S., B.A., Boston College
Emergency Medicine — Medical College of Pennsylvania/
Hahnemann Univ. Hosp., PA

MICHAEL DAVID STRONG, IV Moorestown, NJ
B.A., Duke University
Family Practice — Stanislaus Health Service, CA

SUBHADRA SUNDARAM State College, PA
cum laude
AOA
B.S., The Pennsylvania State University
Transitional — Crozer-Chester Medical Center, PA
Dermatology — Thomas Jefferson University Hospital, PA

JASON DEAN SUNDBETH Yakima, WA
AOA
B.S., University of Washington
Emergency Medicine — Oregon Health Science
University, OR

MONICA TADROS Cresskill, NJ
B.S., Massachusetts Institute of Technology
Surgery-Preliminary — Georgetown University Hospital, DC
Otolaryngology — Georgetown University Hospital, DC

WILLIAM DOUGLAS TAP Douglaston, NY
B.S., Bucknell University
Internal Medicine — Vanderbilt University Medical
College, TN

NICHOLAS PARRISH TAYLOR St. Louis, MO
magna cum laude
AOA
B.A., Bowdoin College
Obstetrics/Gynecology — NYP Hospital-Columbia
Presbyterian, NY

JOHN BRYANT THALLER Potsdam, NY
AOA
B.Sc., University of Glasgow
Orthopaedics — University of Virginia, VA

BECKY ANN THOMAS Wyomissing, PA
B.S., The Pennsylvania State University
Pediatrics — Thomas Jefferson University/duPont Hospital
for Children, DE

WENDY C. TIEN Macungie, PA
B.S., The Pennsylvania State University
Medicine-Preliminary — Albert Einstein Medical Center, PA
Radiology-Diagnostic — Pennsylvania Hospital, PA

MARIA ANN TORRES TOWNE Port Republic, MD
cum laude
AOA
B.S.E., Duke University
Transitional — Georgetown University Hospital, DC
Radiology-Diagnostic — University of Maryland Medical
Center, MD

ALEXANDER EDWARD TREBELEV Huntingdon Valley, PA
cum laude
B.A., Beaver College
Surgery — Albert Einstein Medical Center, PA

TUSHAR M. TRIPATHI Matawan, NJ
B.A., Rutgers College
Surgery — UMDNJ Robert Wood Johnson (Newark), NJ

CHRISTOPHER SCOTT VAGNONI Monessen, PA
summa cum laude
AOA
B.S., University of Pittsburgh
Medicine-Pediatrics — West Virginia University Hospital
(Morgantown), WV

VANESSA VALENSI Bronx, NY
B.S., Tulane University
Family Practice — Chestnut Hill Hospital, PA

JASON GREY VARNER Visalia, CA
B.A., University of California, Los Angeles
Medicine-Preliminary — St. Mary's Medical Center, CA
Anesthesiology — Stanford University Programs, CA

WILLIAM JONATHAN VERNICK Bridgewater, MA
B.A., Haverford College
(Residency Pending)

SOCRATES ANDREW VOZORIS Toronto, Ontario, Canada
B.S., University of Toronto
Internal Medicine — Penn. State Univ./Geisinger Medical
Center (Hershey), PA

CHRISTOPHER L. VULIN Mineola, NY
B.S., University of Notre Dame
Urology — Washington University, MO

HARLAN M. WALKER, II Venice, FL
B.S., United States Military Academy
M.A., California State University, Sacramento
Transitional — Eisenhower Army Medical Center, GA

JENNY YI-JENG WANG Cortland, NY
B.S., The Pennsylvania State University
Internal Medicine — Thomas Jefferson University
Hospital, PA

HEIDI ZOLLER WESTON Phoenixville, PA
B.S., B.A., Bucknell University
M. Ed, Temple University
Family Practice — Bryn Mawr Hospital, PA

DENNIS DAMIAN WIXTED Erial, NJ
magna cum laude
B.S., The College of William and Mary
Internal Medicine — Medical College of Virginia, VA

*WENDY ANN WOODWARD Lebanon, PA
AOA
B.A., Mt. Holyoke College
Transitional — Albert Einstein Medical Center, PA
Radiation Oncology — University of Texas (Anderson), TX

AMY CARLUCCI WU Carlisle, PA
B.A., Colgate University
Pediatrics — Thomas Jefferson University/duPont Hospital
for Children, DE

OMAR K. YUNIS Richfield, MN
B.S., Colorado State University
Pediatrics — Thomas Jefferson University/duPont Hospital
for Children, DE

SAMMY ZAKARIA Wallingford, PA
B.S., The Pennsylvania State University
Medicine-Preliminary — Thomas Jefferson University
Hospital, PA

JULIE ANN ZELAZNY Salamanca, NY
B.S., Hobart and William Smith College
Obstetrics/Gynecology — Penn. State Univ./Geisinger
Medical Center (Hershey), PA

RYAN JOSEPH ZLUPKO Altoona, PA
B.A., Lehigh University
Obstetrics/Gynecology — Reading Hospital/Medical
Center, PA

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE IN GENETICS

LORI R. BERK Hatboro, PA
B.S., University of Delaware
Thesis Title: "Characterization of the Mechanism of Fragility at the FHIT Locus"
Thesis Advisor: Kay Huebner, Ph.D.

ROBYN DOLSKY Parsippany, NJ
B.S., Haverford College
Thesis Title: " Physical and Transcriptional Mapping of Human Chromosome 18q22.1: Identification of Candidate Genes for Bipolar
Disorder"
Thesis Advisor: Kay Huebner, Ph.D.

CANDIDATE FOR THE DEGREE MASTER OF SCIENCE IN MOLECULAR PHARMACOLOGY AND STRUCTURAL BIOLOGY

JAMES W. HALL Marlton, NJ
B.A., Rutgers University
Thesis Title: " Structural and Chemical Approaches to the Study of Regulation of Protein-Protein Interactions"
Thesis Advisor: Ziwei Huang, Ph.D.

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE IN BIOMEDICAL CHEMISTRY

JOEL FRANCIS GRADOWSKI Traverse City, MI
JOSEPH FRANCIS HENDRZAK Philadelphia, PA
ELIZABETH INDRA JOHNSON Fitchburg, MA
KRISTIN DIANE MAZANY Ann Arbor, MI
JOSEPH F. TAMBURRINO Philadelphia, PA
LORI J. TEMPLETON Sewell, NJ
AIDA TESFAYE-KEDJELA Swarthmore, PA

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE IN MICROBIOLOGY

JONATHAN LOUIS ALTOMAR Yuba City, CA
ANNE M. AMAYA Haddonfield, NJ
NKECHA O. BROWN Philadelphia, PA
TANYA LEONA CLARKE Philadelphia, PA
SHANNON RUTH COX Elkhart, IN
KAREN FISHER Bayville, NJ
IRINA VICTOROVNA GATES Rostov-on-Don, Russia
MEGAN ELISABETH HEVELOW Turnersville, NJ
PRIYA K. HINGORANI Irvine, CA
LORI S. JENTLESON Wayne, PA
MILIND KAMKOLKAR Sydney, Australia
ANNA S. KRUPETSKY Philadelphia, PA
JENNIFER LYNN MEYERS Parkland, PA
JENNIFER LYNNE MOFFETT Cherry Hill, NJ
KATHERINE FALLORINA OROHO Hockessin, DE
CHRISTINE PALLATRONI Sparta, NJ
ANA-MARIA RODRIGUEZ-ROJAS San Juan, Puerto Rico
AMY B. ROSENBERG Newtown, PA
AMY MARIE SCHOONOVER Dickson City, PA
NATALIA SEDKOVA Moscow, Russia
CHAD EDWARD STEWART Meadowbrook, PA
NICHOLAS J. VITALI Bensalem, PA

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE IN NURSING

MARIA CHRISTINA DiSTEFANO	Yardley, PA
TARA LYNN FLOOD	Sea Isle City, NJ
COLLEEN MARIE FRIES	Richboro, PA
SUSAN GLASBRENNER	Wellsboro, PA
ERME CATAPANG MAULA	Charleston, SC
KENNETH W. O'BRIEN	Philadelphia, PA
MARGARET M. RAJNIC	Brigantine, NJ
SUSAN MARIE SCHRAND	Philadelphia, PA
RHODA LEA SERLEN	Lafayette Hill, PA
JENNIFER L. SWOPE	Fairless Hills, PA
DONNA C. TOWNSEND	Willow Grove, PA
KIM-KHUE D. TRAN	Newtown Square, PA
MARIE REGINA WELSH	Philadelphia, PA
DAUTONG XU	Shanghai, China
APRIL LYN YOUNG	Blue Anchor, NJ
MARJORIE-LINDA ZAHARFY	Philadelphia, PA

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE IN OCCUPATIONAL THERAPY

JENNIFER A. BULL	Bensalem, PA
SONIA M. CHO	Bala Cynwyd, PA
BETH A. CLEMONS	Frankfort, KY
MICHELE R. DEVINE	Iselin, NJ
SUSAN L. EDWARDS	Allentown, PA
GEORGEANN GAVIN	Moorestown, NJ
WELTHA JANE GRANT	Newtown Square, PA
ANDREA GREELEY	Devon, PA
BETH G. GRYGO	Gloucester, NJ
MONICA M. IANNARONE	Setucket, NY
LAUREN B. LIPSCHUTZ	Maple Glen, PA
JENNIFER MORELLI	Swoyersville PA
JASON ROBERT MOSTECKI	Westborough, MA
GREGORY MICHAEL MURPHY	Clarks Summit, PA
HEATHER MELISSA NIEDT	Hamilton Square, NJ
JONATHAN NISZCZAK	Andalusia, PA
MARY JANE PENKO	Chardon, OH
GREGORY SANTUCCI	Emerson, NJ
MARY A. SCHMIDT	Ambler, PA
RANDI M. SCHWARTZ	Philadelphia, PA
CHRISTINE LYNN SEDAM	York, PA
TIFFANY NICOLE SHELLENBERGER	Lancaster, PA
KRISTINA MARIA SYKES	Philadelphia, PA
NIKELLE L. WIVELL	Elizabethtown, NJ

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE IN PHARMACOLOGY

KAMRAN ANSARI	Reading, PA
MITRA DADMARZ	Newark, DE
KATHERINE D. DUGAN	Philadelphia, PA
EVA L. EMMELL	Telford, PA
MICHAEL J. FABEN, III	Endicott, NY
TRACY ANN FAVA	Plymouth, MA
TAMMY RAE GULD	Cedar Run, NJ
MICHAEL SEAN HOWARD	Clarks Summit, NJ
JOANNA RUTH KIPNES	Wynnewood, PA
JOHN D. SIX	Claysville, PA
MARY ELIZABETH KENNY SMITH	Charleston, WV

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE IN PHYSICAL THERAPY

ROBIN GARLAND BANDURA	Philadelphia, PA
EDWARD B. BARRON	Downingtown, PA
JENNIFER L. BEST	Media, PA
JULIE LYNNE BITTLER	Lancaster, PA
MARY ELIZABETH BURKE	Yardley, PA
JANE J. BURRILL	New Freedom, PA
JESSICA L. CALLESANO	Babylon, NY
THOMAS J. CAULEY	Hazleton, PA
STEPHEN DAVID CLAUDELLI	North Wales, PA
JANET M. CLARK	Swarthmore, PA
ELIZABETH A. CLAY	Havertown, PA
SHIVANI DINESH DAMANI	Carol Stream, IL
ANN MARIE DEGRUY	Virginia Beach, VA
JACQUELINE PATRICE DIRR	Cinnaminson, NJ
MICHAEL LLOYD FINK	Greensburg, PA
DANIEL EDMUND FITZGERALD	Abington, PA
MARY LISA FRADY	Seattle, WA
YANA V. GENKIL	Philadelphia, PA
RYAN JON GRUBE	Lancaster, PA
EDWARD THOMAS HAUGHEY, III	Lafayette Hill, PA
BEATA V. HELO	Philadelphia, PA
MATTHEW C. JOHNSON	Stroudsburg, PA
PAULA MARIE KARWOSKI	Lansdale, PA
KIM E. KEEYS-JORDAN	Philadelphia, PA
CHRISTOPHER JOHN LAURETANI	North Andover, MA
LUCIANO GIRARDO LEGASPI	Lebanon, PA
JENNIFER LUTZ	Marlton, NJ
DANIEL CRAIG MACLEAN	West Chester, PA
CAROLINE C. MANCUSO	Springfield, PA
KIMBERLY MICHELLE MANDARINO	Bala Cynwyd, PA
DAVID ANDREW MARGOLIS	Voorhees, NJ
KRISTINE MOORE	Clementon, NJ
RACHEL A. MORRIS	Downington, PA
DAVEDA AYANA MORRISON	Wilmington, DE
TARA LYNN NEWCOMER	York, PA
LORI L. PEACOCK	Drexel Hill, PA
SHAWN FRANCIS PHILLIPS	Philadelphia, PA
KIMBERLY ANN RINALDI	Taylor, PA
TINA M. ROBINSON	Wyalusing, PA
KATHLEEN E. RYAN	Minersville, PA
KIMBERLY JO SHELLENBERGER	Lancaster, PA
TENNILLE E. SIMONSON	Cranberry Twp., PA
YVONNE C. SPINELLI	Pine Hill, NJ
DIANA M. TAYLOR	Cedar Run, NJ
RODNEY H. WEISS	Bordentown, NJ

Candidates for the combined B.S./M.S. Program in Physical Therapy have successfully completed all formal course work. They are also required to take two eight-week clinical internships, which will not be completed until late summer. Upon completion of the internship requirements, these students will receive their diplomas for the Bachelor of Science and Master of Science degrees.

It is the policy of the College of Graduate Studies not to award honors to graduates with the doctor of philosophy or master of science degree.

As final action cannot be taken before the program goes to press, Thomas Jefferson University reserves the right to add or withdraw names from the list of candidates for degrees.

AWARDS AND PRIZES

Awarded at Class Day Exercises on Thursday, June 8, 2000

FACULTY AWARDS

The Christian R. and Mary F. Lindback Award for Distinguished Teaching in a Clinical Science.
CHRISTOPHER V. CHAMBERS, M.D., Clinical Professor of Family Medicine

Dean's Award for Distinguished Teaching in a Basic Science.
RICHARD R. SCHMIDT, Ph.D., Professor of Pathology, Anatomy and Cell Biology

Blockley-Osler/Dean's Teaching Award for Excellence in Teaching of Clinical Medicine.
To a faculty member of a Jefferson-Affiliated Hospital.
MATTHEW V. BURDAY, D.O., Clinical Assistant Professor of Medicine

The Leon A. Peris Memorial Award.
To a member of the volunteer faculty for excellence in clinical teaching and superior patient care.
MELVIN L. MOSES, M.D., Clinical Professor of Surgery

The NBI Healthcare Foundation Humanism in Medicine Award.
To an outstanding faculty member demonstrating exemplary compassion in doctor/patient relations.
BALU H. ATHREYA, M.D., Professor of Pediatrics

AWARDS TO GRADUATING STUDENTS

The E. Harold Hinman Memorial Prize, for extraordinary interest and accomplishment in family medicine. Sponsored by family and friends in memory of E. Harold Hinman, Ph.D., M.D., M.P.H., Professor Emeritus of Preventive Medicine.
BRUCE D. HOPPER, JR. (honorable mention: JENNIFER M. JU)

The Henry Keller Mohler Memorial Prize in Therapeutics. Sponsored by Mr. Jesse Hubschman in memory of his wife, Natalie, to honor Henry Keller Mohler, M.D.
RICHARD T. GEORGE, JR. (honorable mention: NIDHI GARG)

The Carroll R. Mullen Memorial Prize in Ophthalmology. To the senior who has achieved the highest grade in ophthalmology.
MICHAEL A. NEGREY (honorable mention: J. SCOTT EGOLF)

The Sarah G. Miller Obstetrics and Gynecology Prize. To a senior who has demonstrated excellence in obstetrics and gynecology during the entire curriculum. Sponsored by Mrs. Sarah George Miller in memory of John B. Montgomery, M.D., Professor Emeritus of Obstetrics.
NICHOLAS P. TAYLOR (honorable mention: JOSEPH J. RICOTTA)

The Baldwin L. Keyes Prize in Psychiatry. Given by Mr. Joseph H. Levit in memory of his wife Mae K. Levit, in honor of Baldwin L. Keyes, M.D., Sc.D., Professor Emeritus of Psychiatry.
ELIZABETH P. MILLER (honorable mention: MICHAEL FRIEDMAN)

The Harold L. Stewart, M.D. '26 Prize in Pathology. Awarded to the academically excellent student who has completed a pathology research project.
GARY L. GALLIA

The Philip J. Hodes Prize in Radiology. To the fourth-year medical student displaying outstanding aptitude and interest in radiology.
JOHN S. FARRELL (honorable mention: CANDACE M. HOWARD-CLAUDIO)

The Leopold Z. Goldstein, M.D., Memorial Prize in Obstetrics and Gynecology. To the student with the highest average in obstetrics and gynecology. Sponsored by Mrs. Leopold Z. Goldstein and daughters in memory of Leopold Z. Goldstein, M.D.

JOSHUA P. CANTOR (honorable mention: RICHARD T. GEORGE, JR.)

The Dean Marie Baines Memorial Prize in Pediatrics, for excellence in pediatrics. Sponsored by family and friends in memory of Dean Marie Baines, M.D., a graduate of the Class of 1973.
AMY A. CARLUCCI

The Paul D. Zimskind Memorial Prize in Urology, for academic excellence in urology. Sponsored by the National Urologic Forum, in memory of Paul D. Zimskind, M.D., Ph.D., the Nathan Lewis Hatfield Professor of Urology.
GREGORY S. ADEY (honorable mention: CHRISTOPHER L. VULIN)

The William C. Davis Prize. Awarded to a senior who will pursue a career in emergency medicine. Sponsored by Mrs. Charlotte Davis in memory of her son, William C. Davis, M.D., an alumnus of Jefferson Medical College.
REID F. CONANT (honorable mention: MATTHEW F. REINHARDT)

The Arnold R. Weitz Memorial Prize in Hematology. Awarded to a senior medical student for outstanding aptitude and interest in hematology. Sponsored by family and friends in memory of Arnold R. Weitz, M.D.
LISA D. REALE (honorable mention: RICHARD T. GEORGE, JR.)

The William F. Kellow Prize. To the student who most closely exemplifies the attributes of the ideal physician. Sponsored by family and friends in memory of William F. Kellow, M.D., Dean and Vice President of Jefferson Medical College from 1967 to 1981.
DANIEL E. KREMENS (honorable mention: RICHARD T. GEORGE, JR)

Robert J. Mandle Memorial Graduation Award. Given to the graduating student who has shown the greatest proficiency in research in the field of microbiology or related medical science as judged by the faculty of the Department of Microbiology.
BRIAN D. DUDENHOEFER

The Clinical Surgery Prize, for general excellence in clinical surgery. In memory of Francis Torrens Stewart, M.D., Professor of Clinical Surgery, 1910-1920.
MARY M. POMIDOR

The Orthopaedic Surgery Prize, for general excellence in clinical surgery. Sponsored by the Department of Orthopaedic Surgery.
JOHN M. MINNICH (honorable mention: ERIC B. SMITH)

The Edward J. Moore Memorial Prize in Pediatrics. To the student demonstrating the greatest aptitude in pediatrics. In memory of Edward J. Moore, M.D.
SEJAL MEHTA

The S. MacCuen Smith Memorial Prize in Otolaryngology. To the most able senior in the field of otology. Sponsored by Mrs. Stuart Lodge Bullivant in memory of her father.
RYAN N. HEFFELFINGER

The Arthur Krieger Memorial Prize in Family Medicine, for excellence in family medicine. Sponsored by family and friends in memory of Arthur Krieger, M.D.
KARIN S. LESCHLY (honorable mention: GARY L. GALLIA)

The Arthur Krieger Memorial Prize in Neurology, for excellence in neurology. Sponsored by family and friends in memory of Arthur Krieger, M.D.
DANIEL E. KREMENS (honorable mention: WILLIAM M. O'CONNOR)

The Hubert Spencer Sear Memorial Award. Awarded to an outstanding fourth-year student in radiology. Sponsored by family and friends in memory of Hubert Spencer Sear, M.D., Class of 1950.
MARIA A. TOWNE (honorable mention: GEOFFREY L. MANTON)

The Alexander and Lottie Katzman Award in Gastroenterology. Awarded to the most proficient student in gastroenterology as judged by the faculty. Sponsored by Joseph Medoff, M.D., and Mrs. Medoff in memory of Mrs. Medoff's parents.

DANIELLE P. BEN-AVIV (honorable mention: JOSHUA P. DESIPIO)

The Philip and Bella Medoff Memorial Prize, for excellence in internal medicine and outstanding contributions to the Hobart Amory Hare Honor Medical Society. Given to a senior who is a member of the Society and who is recommended by the Magee Professor of Medicine and the faculty advisor of the Society. Sponsored by Joseph Medoff, M.D., Mrs. Medoff, and children.

MARIA A. MANNING (honorable mention: KATHERINE C. DALLOW)

The Lemmon Prize in Anesthesiology, for clinical work or writing in the field of anesthesiology. Awarded from an endowment established by family members in memory of William T. Lemmon, Sr., M.D.

CHRISTIAN J. BAROTTI

The Annie Simpson General Medicine Prize. Awarded to the medical student who received the best general average in general medicine.

JESSICA M. McMURRAY (honorable mention: ADAM E. SILVERBLATT)

The Annie Simpson Pulmonary Medicine Prize. Awarded to the medical student who received the best general average in pulmonary medicine.

CHRISTINE L. HANN (honorable mention: SAMMY ZAKARIA)

The William Potter Memorial Prize in Clinical Medicine. Given to the highest attaining student in clinical medicine, from a bequest of Mrs. Adaline Potter Wear.

GLENN M. CANNON

The Hyman Menduke Research Prize. Awarded to the graduating senior who, as determined by the Committee on Research of the faculty, has demonstrated excellence in research while a student at Jefferson Medical College. Sponsored by Michael LeWitt, M.D., Class of 1974.

GARY L. GALLIA

The Dean's Student Service Award, awarded to the fourth-year student who has given generously of time and talents for the service of classmates and Jefferson Medical College. Selected by the Dean.

AMY A. CARLUCCI

The Alumni Prize, awarded by the Alumni Association of Jefferson Medical College for the highest cumulative record.

GLENN M. CANNON

The Alfred I. duPont Hospital for Children Prize. Awarded to the student whose performance best demonstrates the qualities of academic and clinical excellence, human compassion, and a commitment to the welfare of others as was exemplified by the life and trust of Alfred I. duPont.

AMY A. CARLUCCI

Healthcare Foundation of New Jersey Humanism in Medicine Award. To an outstanding student demonstrating exemplary compassion in doctor/patient relations.

ALEX S. METZGER

The Philip P. Ripepi Prize in General Surgery, to the most promising surgical student in the graduating class.

JOSHUA P. CANTOR

The J. Woodrow Savacool Prize in Medical Ethics, awarded to the senior medical student who embodies the ideal of the physician's caring commitment to moral and ethical values in medicine. Sponsored by a committee of friends and colleagues of J. Woodrow Savacool, M.D., an alumnus and Honorary Clinical Associate Professor of Medicine, Jefferson Medical College.

AMY A. CARLUCCI (honorable mention: ALEX S. METZGER)

DOCTOR OF SCIENCE: FERID MURAD, MD, PhD

A recipient of the 1998 Nobel Prize in Medicine, Ferid Murad, MD, PhD, is a Professor and Chairman of the Department of Integrative Biology and Pharmacology, University of Texas, Houston, where he has served on the faculty since 1997.

Dr. Murad earned simultaneous doctorates in medicine and pharmacology from Western Reserve University in Cleveland, Ohio, and completed internship and residency training in internal medicine at the Massachusetts General Hospital.

Dr. Murad's career has spanned academic medicine and the pharmaceutical and biotechnology industries, with a specific focus on identifying basic molecular mechanisms regulating cellular function and their translation into medically important applications.

For example, physicians have used nitroglycerin to treat angina and coronary artery disease for more than a century. Dr. Murad's investigations revealed, however, that this and related drugs treat coronary artery disease by releasing nitric oxide gas.

Previously known only as an environmental pollutant, nitric oxide is a natural product of various tissues in the body, including the endothelial cells lining blood vessels. Indeed, nitric oxide produced by endothelial cells or by nitroglycerin induces smooth muscle cells surrounding blood vessels to relax, allowing more blood to flow to oxygen-starved myocardium to relieve the symptoms of angina in coronary artery disease.

A role for nitric oxide is being examined in a number of medical conditions including stroke, pulmonary hypertension, and erectile dysfunction. Similarly, nitric oxide is being examined as a possible treatment for heart and vascular disorders, hypertension, atherosclerosis, Alzheimer's disease, arthritis, and sickle cell anemia.

For this and other related work, Dr. Murad was inducted into the National Academy of Sciences in 1997 and was a 1996 recipient of the Albert and Mary Lasker Basic Medical Research Award.

Prior to his tenure with the University of Texas, Dr. Murad served as President and Chief Executive Officer of Molecular Geriatrics Corp., from 1993-1995. He was Vice President of Research and Development at Abbott Laboratories, from 1988-1992, while concurrently serving as an adjunct professor at Northwestern University Medical School in Chicago.

He was also Professor in the Departments of Internal Medicine and Pharmacology at the University of Virginia School of Medicine, 1975-1981, and at Stanford University, 1981-1988.

Dr. Murad was born in Whiting, Ind., on Sept. 14, 1936. He is married with five children.

THE ACADEMIC COSTUME

The wearing of academic dress dates back to the early days of the oldest universities in the world. In the American Council on Education's book entitled *American Universities and Colleges*, it is suggested that "gowns may have been counted necessary for warmth in the unheated buildings frequented by medieval scholars. Hoods seem to have served to cover the tonsured head..."

Throughout the years European universities have continued to show great diversity in their academic dress. American universities on the other hand, when they decided to adopt academic dress in 1895, immediately established a code of regulations which today is followed by almost all American institutions. The establishment of this code has made it possible to distinguish the Associates, Bachelors, Masters and Doctors and at the same time recognize the university which has given them the degree. Revisions to the code have occurred from time to time.

The Associate in Arts and Bachelor's gowns have pointed sleeves and are worn closed. The Master's gown has oblong sleeves, open at the wrist. The rear part of its oblong shape is square cut and the front part has an arc cut away, and is worn open or closed. The Doctor's gown has bell-shaped sleeves. It is worn opened or closed. Cotton poplin or similar material is used for the Associate's, Bachelor's and Master's degrees, and rayon or silk ribbed material is used for the Doctor's degree. The majority of gowns are black but a number of institutions have adopted other colors to identify special programs or groups within the institution.

The hoods vary in length: 48 inches for the Doctor's degree, 42 inches for the Master's and 36 inches for the Bachelor's and Associate's. All hoods are lined in silk in the academic color or colors of the institution conferring the degree. If the institution has more than one color, the colors are shown in divisions using chevrons. The binding or edge of the Doctor's, Master's and Bachelor's hoods are usually made of velvet in the color designating the subject in which the degree was granted. The Associate of Arts hood has no velvet border. The outside is black.

Black mortarboards are most commonly worn; six-sided tams of various colors may be used.

Some of the colors in the bindings of the hoods are:

white	Arts and Letters	green	Medicine
tan	Business	apricot	Nursing
lilac	Dentistry	dark blue	Philosophy
light blue	Education	salmon pink	Public Health
purple	Law	golden yellow	Science

The colors of the linings of the hoods for some Philadelphia academic health institutions are:

black and blue	Thomas Jefferson University	red, white and blue	MCP ♦ Hahnemann School of Medicine
red and blue	University of Pennsylvania		
white and cherry	Temple University		

THE JEFFERSON PROCESSIONAL

The Jefferson Processional was commissioned by the Alumni Association of Jefferson Medical College and played for the first time on November 15, 1974, at the Sesquicentennial Celebration of Jefferson Medical College of Thomas Jefferson University. This piece was presented to Thomas Jefferson University by the President of the Alumni Association of Jefferson Medical College, Doctor John J. Gartland. It was composed by Burle Marx.

THE PRESIDENTIAL BADGE OF THOMAS JEFFERSON UNIVERSITY

The President's Badge was created for the Inauguration of Lewis W. Bluemle, Jr., M.D., the third President of Thomas Jefferson University, on September 7, 1977. It consists of four official corporate seals of Thomas Jefferson University and the predecessor corporation, The Jefferson Medical College of Philadelphia. These seals were used to mark diplomas, certificates, and other official documents and have been gold-plated to form the Presidential Badge.

The medallion on the President's right is the corporate seal of Thomas Jefferson University today and was created in 1969 when Jefferson Medical College became Thomas Jefferson University. It carries a contemporary likeness of Thomas Jefferson.

The other three medallions are the various seals that were used in Jefferson Medical College for many years. The oldest marked every diploma that was issued by the College from 1839 to 1967. This seal carries a traditional likeness of a young Thomas Jefferson and the founding date of the College as 1826. Prior to 1839 the diploma of Jefferson Medical College carried the seal of the Jefferson College in Canonsburg, Pennsylvania — the parent institution.

Another seal was developed in 1967 as a result of research done by the late Edward L. Bauer, Emeritus Professor of Pediatrics, who determined that the founding year of Jefferson Medical College was 1824 rather than 1826. This seal is identical to the present corporate seal except the words "Thomas Jefferson University" replace "Jefferson Medical College." It was used for only two years — from 1967 to 1969.

The Presidential Badge is on permanent display in the Scott Library and is used at all convocations of the University.

THE UNIVERSITY MACE

The Thomas Jefferson University mace, carried for the first time in the 1986 commencement ceremonies by Grand Marshal Robert Mandle, Ph.D., was designed and cast by Howard Serlick, member of the Guild of Mastercraftsmen, Winterthur Scholar, and Chief Conservator (Gilding) of the Historical Society of Pennsylvania. It was crafted by silversmith Eugene Zweigle and woodturner Michael Copeland.

The four-foot-long, fourteen-pound mace is made of ebony highlighted with lapis lazuli to reflect Jefferson's colors (black and blue). It features a miniature of Henry Mitchell's sculpture, *The Winged Ox*, symbol of Saint Luke the Physician, the original of which stands beside the Scott Building on Walnut Street. The miniature was cast in silver by Mister Zweigle, who also fabricated the University seal, the profile of Thomas Jefferson, mounted at the base of the staff. The J. E. Caldwell Company coordinated the project.

Mister Mitchell's original statue of *The Winged Ox*, adopted by the University in 1976 as its symbol of clinical excellence, is mounted on a column containing the names of fifty medical scientists who have most advanced the art of healing. It also reflects the historical evolution of Thomas Jefferson University from its beginnings as Jefferson Medical College in 1824 to its current status as an academic health center comprising the Medical College, the College of Health Professions, the College of Graduate Studies, and the Thomas Jefferson University Hospital, a part of the Jefferson Health System.

The mace, a grand emblem of the University's heritage, is carried at the head of all formal academic processions.

