

# *Doctoral Hooding Ceremony*

*University of Maryland Graduate School, Baltimore*  
*May 20, 2004*

# *The Order of Ceremony*

## **Doctoral Hooding Ceremony**

6 p.m. Thursday, May 20, 2004

Medical School Teaching Facility Auditorium  
University of Maryland  
Baltimore

## **Processional**

(Trumpet Voluntary—Purcell)

## **Greetings**

Karen Ron  
President, Graduate Student Association

Malinda Orlin, Ph.D.  
Vice President for Academic Affairs and Dean, Graduate School

## **Presentation and Hooding of Ph.D. Graduates**

Mentors

## **Presentation of Dr. Patricia Sokolove Outstanding Mentor Award**

Karen Ron

Chelsea Lane  
Nominating Student

Harry L. T. Mobley, Ph.D.  
Outstanding Mentor Awardee

## **Closing Remarks**

Malinda Orlin, Ph.D.

# The Doctoral Degree

*D*octor means teacher or instructor; the term was used in ancient Rome to describe people who delivered public lectures on philosophical subjects. Since the 12th century, "doctor" has been a title of honor borne by men and women of great learning. It was first made an academic title at the University of Bologna in Italy, which received from the emperor the right to appoint *doctores legum* (doctors of laws).

The doctoral degree represents the most advanced earned degree conferred by American institutions. There are two distinct types: the professional or practitioner's degree and the research degree. The former doctoral degree signifies advanced training for the practice of professions such as medicine, dentistry, pharmacy, or law. The latter type of doctoral degree, the research doctorate, is awarded to individuals who have undertaken prolonged advanced study on a subject and who have made a substantial and original contribution to the knowledge concerning that subject in the form of an extensive written document, the dissertation. The degree confers the title of doctor of philosophy (Ph.D.), although the degree no longer is associated with the study of philosophy specifically.

## Academic Regalia

*T*he traditional black caps and gowns worn by students and faculty in the academic procession have been the costume of scholars since medieval times. A uniform code for academic costume was drafted by an intercollegiate commission in 1895 and has been adopted by the majority of colleges and universities in the United States. The gown or robe of the doctoral degree has a full, bell-shaped sleeve with three bars of velvet. The opening of the doctoral gown is faced with wide velvet bands that are either black or of a color indicating the wearer's general field of learning. For the doctor of philosophy degree, robes have velvet of either black to match the gown, or blue representing the Ph.D. degree. The candidates will be presented their hoods by their mentors, signifying the individual's passage from the role of student to that of colleague.

The most colorful and distinctive item of the academic costume is the hood, which passes around the neck and extends down the back. The hood is hemmed in a bright or dark blue for the Ph.D. degree. The colors of the silk lining exposed in the center of the hood are those of the college or university which conferred the degree. For the University of Maryland Graduate School, Baltimore, the hood is lined with black and gold. The doctor of philosophy candidates will receive their diplomas at the university commencement exercises.

The cap, or mortarboard, is uniform in design for all degrees. However, the Ph.D. recipient may also wear an eight-sided tam. The tassel may be either black or gold for the doctoral degree. A person may tip the cap to show respect to a colleague. Additional medallions or decorative trim may be worn by individuals who have achieved specific honors.

# Doctor of Philosophy

**Aaron Ahearn, Ph.D.**

*"The Effects of Human Immunodeficiency Virus-1 Tat on Dendritic Cells and CD8<sup>+</sup> T Cells"*

Mentor: David Hone, Ph.D.

Spring 2004

Medicine

**Stuart K. Amateau, Ph.D.**

*"Estradiol-Induced Masculinization of the Developing Preoptic Area:  
Evidence from Form to Function"*

Mentor: Margaret McCarthy, Ph.D.

Summer 2003

Medicine

**Caryn Scheinberg Andrews, Ph.D.**

*"The Measurement of Modesty Among Jewish American Women"*

Mentor: Louise S. Jenkins, Ph.D.

Spring 2004

Nursing

**L. Matthew Arthur, Ph.D.**

*"Structure-Function Analysis of the Mre11 Nuclease"*

Mentor: James Carney, Ph.D.

Fall 2003

Medicine

**Marco Antonio Bennett, Ph.D.**

*"Synthesis and Evaluation of Opioid Activity of Novel Dynorphin A-(1-11) Analogues  
Using Classic and Combinatorial Library Approaches"*

Mentor: Jane Aldrich, Ph.D.

Summer 2003

Pharmacy

**Agnes Theresa Berki, Ph.D.**

*"Identification of a Physical Interaction between a  
Prokaryotic Topoisomerase and a Helicase"*

Mentor: Russell DiGate, Ph.D.

Spring 2004

Pharmacy

**Marijean Berry, Ph.D.**

Social Work

*"Interactions Between Older Persons with Cognitive Impairment  
and Staff in an Adult Day Care Setting"*

Mentor: Julianne Oktay, Ph.D.

Fall 2003

**Christina Mary Borgeest, Ph.D.**

Medicine

*"Effects of Methoxychlor (MXC) on the Murine Ovary"*

Mentor: Jodi Flaws, Ph.D.

Summer 2003

**Virletta C. Bryant, Ph.D.**

Social Work

*"Depression and Religion: The Role of Faith Communities Among  
African-American Seventh-day Adventist Women"*

Mentor: John Belcher, Ph.D.

Fall 2003

**Laurel S. Burall, Ph.D.**

Medicine

*"Identification of Novel Proteus mirabilis Virulence Factors Identified by  
Signature-Tagged Mutagenesis"*

Mentor: Harry Mobley, Ph.D.

Spring 2004

**Nantiya Chookaew, Ph.D.**

Nursing

*"A Meta-Analysis of Adolescent HIV/AIDS Prevention Intervention Programs  
from 1990 to 2002 in the United States"*

Mentors: Ruth Harris, Ph.D. and Karen Soeken, Ph.D.

Spring 2004

**Judy McGlone Dalby, Ph.D.**

Pharmacy

*"Using Physicochemical Molecular Properties to Estimate Human Oral Bioavailability"*

Mentor: R. Gary Hollenbeck, Ph.D.

Fall 2003

**Anand Desai, Ph.D.**

Medicine

*"Transcriptional Regulation of the NMDA NR2A Subunit Gene"*

Mentor: Mohyee Eldefrawi, Ph.D.

Summer 2003

**Rahul S. Deshmukh, Ph.D.**

*"Addressing the Oxygen Activation and Biliverdin Regioselectivity in  
Bacterial Heme Oxygenases"*

Mentor: Angela Wilks, Ph.D.

*Fall 2003*

Pharmacy

**Rhoel David Ramos Dinglasan, Ph.D.**

*"Mosquito Midgut Glycoproteins and the Disruption of Plasmodium Development"*

Mentor: Abdu Azad, Ph.D.

*Spring 2004*

Medicine

**Jalpa A. Doshi, Ph.D.**

*"Underutilization of Cardiovascular Medications by Aged Medicare  
Beneficiaries with Heart Disease"*

Mentor: Bruce Stuart, Ph.D.

*Fall 2003*

Pharmacy

**Cheryl Fahlman, Ph.D.**

*"Turnover in Maryland Medicaid MCO Recipients"*

Mentor: Bruce Stuart, Ph.D.

*Fall 2003*

Pharmacy

**Jennifer Feeney, Ph.D.**

*"Visual and Attentional Processing in Developmental Dyslexia"*

Mentor: Rita Berndt, Ph.D.

*Spring 2004*

Medicine

**Lisa Margaret Gallicchio, Ph.D.**

*"Cigarette Smoking and Tissue Metallothionein Levels: Implications for  
Breast Cancer Treatment"*

Mentor: Jodi Flaws, Ph.D.

*Spring 2004*

Medicine

**Zhixin Guan, Ph.D.**

Dental

*"Kinetic Identification of a Mitochondrial Zinc Uptake Transport Process, Effects of Zinc on the Mitochondrial Terminal Oxidation and Metallothionein-1 and -2 Expression in Prostrate Epithelial Cells"*

Mentor: Pei Feng, Ph.D.

Fall 2003

**Richard A. Gustafson, Ph.D.**

Medicine

*"Pharmacokinetics and Pharmacodynamics of Oral D<sup>9</sup>-Tetrahydrocannabinol"*

Mentor: Katherine Squibb, Ph.D.

Summer 2003

**Lei Huang, Ph.D.**

Medicine

*"Development of a Green Fluorescence Protein (GFP)-Based Assay to Detect Radiation-Induced Genomic Instability and the Effects of Low-Dose Irradiation in Human RKO Cells"*

Mentor: William Morgan, Ph.D.

Fall 2003

**Niu Huang, Ph.D.**

Pharmacy

*"Computational Chemistry in Structural Biology and Drug Design"*

Mentor: Alexander Mackerell, Ph.D.

Summer 2003

**Jodi M. Jacobson, Ph.D.**

Social Work

*"Compassion Fatigue Among Employee Assistance Program Counselors"*

Mentor: Frederick DiBlasio, Ph.D.

Spring 2004

**Angela M. Jansen, Ph.D.**

Medicine

*"Proteus mirabilis in Ascending Urinary Tract Infection"*

Mentor: Harry Mobley, Ph.D.

Fall 2003

**Xiaojian Jiang, Ph.D.**

Pharmacy

*"Development of a Novel Liquid Sustained-Release Drug Delivery System for Water-Soluble Drugs"*

Mentor: R. Gary Hollenbeck, Ph.D.

Summer 2003

**John A. Kadavil, Ph.D.**

Medicine

*"Modulation of Protein Phosphorylation by Organophosphorous  
Compounds: Novel Mechanisms of OP Toxicity"*

Mentor: Mohyee Eldefrawi, Ph.D.

*Summer 2003*

**Karen Snow Kaiser, Ph.D.**

Nursing

*"The Relationship of Patient Characteristics and Process of Care Characteristics  
to Post-Operative Pain Outcomes in Orthopedic Patients"*

Mentor: Mary Ellen Johantgen, Ph.D.

*Spring 2004*

**Sigalit Kaplan, Ph.D.**

Pharmacy

*"The Relationship Between Blood Pressure and Bone Mineral Density in Women"*

Mentor: Sheila Weiss, Ph.D.

*Spring 2004*

**Jimok Kim, Ph.D.**

Medicine

*"Regulation of Endocannabinoid Signaling in the Hippocampus"*

Mentor: Bradley Alger, Ph.D.

*Spring 2004*

**Todd Matthew Kolb, Ph.D.**

Medicine

*"Regulation of Cell Signaling and Apoptosis by the Tuberous Sclerosis  
Complex-2 (Tsc2) Tumor Suppressor Gene"*

Mentor: Myrtle Davis, Ph.D.

*Fall 2003*

**Walter A. Kostich, Ph.D.**

Medicine

*"Characterization of Primate Corticotropin-Releasing Factor Receptors"*

Mentor: Frank Margolis, Ph.D.

*Spring 2004*

**Sun-Mi Lee, Ph.D.**

Nursing

*"Applying Bayesian Network Approaches to Study Health Outcomes"*

Mentor: Patricia Abbott, Ph.D.

Fall 2003

**Laura Quinn Leverton, Ph.D.**

Medicine

*"An Examination of Enteropathogenic Escherichia coli Virulence Gene Regulation"*

Mentor: James Kaper Ph.D.

Spring 2004

**Jean K. Lim, Ph.D.**

Medicine

*"Post-Translational Processing of RANTES/CCL5 by Soluble and Cellular Proteases"*

Mentor: Anthony DeVico, Ph.D.

Spring 2004

**Sumalee Lirtmunlikaporn, Ph.D.**

Nursing

*"Stages of Change, Treatment Motivation, and Self-Efficacy for Abstinence among Thai Adolescents with Methamphetamine Use"*

Mentor: Alison Trinkoff, Ph.D.

Spring 2004

**William M. Mahoney, Jr., Ph.D.**

Medicine

*"Transcription Enhancer Factor-1 is Regulated by Specific Interactions with Co-Regulatory Activator Proteins"*

Mentor: Iain Farrance, Ph.D.

Spring 2004

**Dony Maiguel, Ph.D.**

Medicine

*"Phosphoprotein Nucleophosmin Sets a Threshold for p53 Response to UV Radiation in Colorectal Carcinoma RKO Cells"*

Mentor: France Carrier, Ph.D.

Fall 2003

**Joseph Mauban, Ph.D.**

*"Essential Role of EDHF in the Initiation and Maintenance of Vasomotion in Rat Mesenteric Arteries"*

Mentor: Withrow Gil Wier, Ph.D.

Fall 2003

Medicine

**Zaki E. Megeed, Ph.D.**

*"Genetically Engineered Polymers for Cancer Gene Therapy"*

Mentor: Hamid Ghandehari, Ph.D.

Fall 2003

Pharmacy

**Edward Forbes Mortimore, Ph.D.**

*"The Effect of Hip Fracture on Nursing Home Residents' Mortality and New Walking Impairment"*

Mentor: Jay Magaziner, Ph.D.

Fall 2003

Medicine

**Shruti Nagar, Ph.D.**

*"Identification and Characterization of a Novel Non-targeted Effect of Ionizing Radiation: the Death Inducing Effect"*

Mentor: William Morgan, Ph.D.

Fall 2003

Medicine

**Eun Joo Oh, Ph.D.**

*"Physiological Studies of Sensory Innervation of the Airway"*

Mentor: Daniel Weinreich, Ph.D.

Fall 2003

Medicine

**Reshma Susan Phillips, Ph.D.**

*"Synergism Between Malnutrition and Infections in Oral Inflammatory Disease of Noma"*

Mentor: Cyril Enwonwu, Ph.D.

Spring 2004

Dental

**Elizabeth Kate Raimo, Ph.D.**

Social Work

*"Family Characteristics and Dynamics that Relate to the Development of Anorexic and Bulimic Symptoms in Females"*

Mentor: Donna Harrington, Ph.D.

Summer 2003

**Patrick W. Reed, Ph.D.**

Medicine

*"The Sarcolemma in Dystrophic Skeletal Muscle"*

Mentor: Robert Bloch, Ph.D.

Fall 2003

**Maggie L. Johnson Richard, Ph.D.**

Nursing

*"A Holistic Assessment of Quality of Life in Deployed Navy Personnel"*

Mentor: Louise Jenkins, Ph.D.

Summer 2003

**Kendra Corr Roberson, Ph.D.**

Social Work

*"Becoming the 'Psychological Parent': An Assessment of the Parallel Behavioral Systems of Attachment and Caregiving in Intercountry Adoptive Families"*

Mentor: Howard Altstein, Ph.D.

Summer 2003

**Mitchell A. Rosenwald, Ph.D.**

Social Work

*"Exploring Political Ideologies of Licensed Social Workers"*

Mentor: John Belcher, Ph.D.

Spring 2004

**Tracy J. Ruckwardt, Ph.D.**

Medicine

*"Characterization and Specificity of the Humoral Immune Response to HIV-1 Tat Protein in Rhesus Macaques"*

Mentor: C. David Pauza, Ph.D.

Fall 2003

**Noha Nabil Salama Mohamed Ahmed Salama, Ph.D.**

Pharmacy

*"Improving the Transport and Oral Bioavailability of Therapeutic Agents via Modulation of the Paracellular Absorption by Delta G an Inhibition of P-glycoprotein Medicated Drug Efflux"*

Mentor: Natalie Eddington, Ph.D.

*Spring 2004*

**Paul R. Seo, Ph.D.**

Pharmacy

*"Chemical Substituent and Membrane Composition Contributions to Passive Permeability Across Artificial Membranes"*

Mentor: James Polli, Ph.D.

*Spring 2004*

**Haifeng Song, Ph.D.**

Medicine

*"Cellular and Molecular Studies of Marginal Zone B Cells"*

Mentor: Jan Cerny, Ph.D.

*Summer 2003*

**Wisit Tangkeangsirisin, Ph.D.**

Pharmacy

*"PC Cell Derived Growth Factor (PCDGF/Granulin Precursor) Expression, Antiestrogen Resistance and Tumorigenesis in Human Breast Cancer Cells"*

Mentor: Ginette Serrero, Ph.D.

*Spring 2004*

**Kimberly Tyeryar, Ph.D.**

Pharmacy

*"Phosphoinositide Mechanisms in Antidepressant Drug Action"*

Mentor: Ashiwel Undie, M.D.

*Fall 2003*

**Damian B. van Rossum, Ph.D.**

Medicine

*"Breaking Open the Box: Refining the Molecular Constituents within  
Agonist-induced Ca<sup>2+</sup> Entry"*

Mentor: Donald Gill, Ph.D.

*Summer 2003*

**Sandra McCombe Waller, Ph.D.**

Medicine

*"Central Motor Control Mechanisms Associated with Hand Dominance and  
Their Adaptability to Unilateral and Bilateral Training"*

Mentors: Jill Whittall, Ph.D.

*Spring 2004*

**Hongyan Wang, Ph.D.**

Pharmacy

*"Identification and Characterization of an Mu Opioid Receptor  
Interactive Protein, PKCI (Protein Kinase C Interacting Protein),  
In Vitro and In Vivo"*

Mentors: Jia Bei Wang, Ph.D.

*Fall 2003*

**Wendy I. Wilson, Ph.D.**

Pharmacy

*"In Silico Formulation Application of Artificial Intelligence in Support of Hard  
Gelatin Capsule Formulation of Biopharmaceutics  
Classification System Class II Drugs"*

Mentor: Larry Augsburger, Ph.D.

*Spring 2004*

**Dana Yoo, Ph.D.**

Medicine

*"Elucidating a Phosphorylation-dependent Trafficking Mechanism of the  
Renal Secretory K<sup>+</sup> Channel, ROMK"*

Mentor: Paul Welling, Ph.D.

*Spring 2004*

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