The Order of Ceremony

Graduate School
University of Maryland
Doctoral Hooding Ceremony
4 p.m. Thursday, May 17, 2012
Southern Management Corporation Campus Center Ballroom
University of Maryland

Processional

Greetings
Bruce E. Jarrell, MD, FACS
Dean, Graduate School

Jay A. Perman, MD
President, University of Maryland

Shannon O'Connor
President, Graduate Student Association

Presentation of Dr. Patricia Sokolove Outstanding Mentor Award

Shannon O'Connor
President, Graduate Student Association

Qoot Alkhubaizi
Nominating Student

Sharon M. Gordon, DDS, MPH, PhD
University of Maryland School of Dentistry
Outstanding Mentor Awardee

Presentation and Hooding of PhD Graduates
Mentors

Closing Remarks
Bruce E. Jarrell, MD, FACS
The Doctoral Degree

Doctor 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 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 (PhD), although the degree no longer is associated with the study of philosophy specifically.

Academic Regalia

The 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 PhD degree.

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 PhD 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 cap, or mortarboard, is uniform in design for all degrees. However, the PhD 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.
Adebola Oluwakemi Ajao

"Role of Persistent Environmental Contamination and Universal Glove and Gown Use in the Acquisition of Extended Spectrum Beta-Lactamase-Producing Enterobacteriaceae in Intensive Care Unit Patients"
Mentor: Jon Furuno, PhD
Fall 2011

Gambo Gumel Aliyu

"Pattern of Mycobacterial Infections and Their Associations with HIV among Laboratory Confirmed Cases of Pulmonary Tuberculosis in Nigeria"
Mentor: Samer El-Kamary, MB, ChB
Spring 2012

Deborah Ann Ariosto

"Factors Leading to False Positive Computerized Provider Order Entry (CPOE) Opiate Allergy Alerts"
Mentor: Meg Johantgen, PhD
Fall 2011

Shoshana Hetta Ballew

"Positive and Negative Appraisals of Caregiving and Functional Performance Over Time"
Mentor: Denise Orwig, PhD
Spring 2012
Soudabeh Khojasteh Banankhah

"Depression as a Predictor of Mortality and Morbidity in Patients after Myocardial Infarction"
Mentor: Erika Friedmann, PhD
Spring 2012

Dorothy Paxson Barker

"Work Stress/Strain, Low Job Satisfaction, and Intent to Leave Home Health Care Nursing Among Home Health Care (HHC) Registered Nurses"
Mentor: Jane Lipscomb, PhD
Fall 2011

Nada Omar BinMadi

"A Novel Role for Semaphorin 4D in Tumor Metastasis"
Mentor: John Basile, DDS, DSMc
Summer 2011

Gregory B. Bissonette

"The Role of Fast-spiking Parvalbumin Interneurons in Prefrontal Mediated Cognition"
Mentor: Elizabeth Powell, PhD
Summer 2011

Melissa Lim Brodowski

"Factors Associated with Changes in Parental Depressive Symptoms: A Longitudinal Multilevel Analysis of Parents at High Risk for Child Maltreatment"
Mentor: Donna Harrington, PhD
Spring 2012
Melinda Dyanne Capes

“Comparative Genomic Analysis of Halophilic Archaea”
Mentor: Shiladitya DasSarma, PhD
Spring 2012

Tatiana Claro da Silva

“Understanding Structure-function Relationships and Protein Stability of the Human Apical Sodium-dependent Bile Acid Transporter (ASBT, SLC10A2)”
Mentor: Peter W. Swaan, PhD
Fall 2011

Mary Holder Conklin

“Interactions of Catecholamines and Progesterone Receptors in the Medial Amygdala Enhance Female Sexual Motivation”
Mentor: Jessica Mong, PhD
Fall 2011

Darren Joseph Couture

“Current Perception Threshold Testing (CPT) to Measure Sensory Fiber Changes After Chemotherapy”
Mentor: Susan Dorsey, PhD
Summer 2011

Preeta Dasgupta

“Role of the Type I IL-4 Receptor (Type I IL-4R) and insulin Receptor Substrate (IRS)-2 in Allergic Lung Inflammation”
Mentor: Achsah Keegan, PhD
Fall 2011
Jonathan E. Dilgen

“Basolateral Amygdala Stimulation Evokes Feed-forward Inhibition in the Medial Prefrontal Cortex”
Mentor: Patricio O'Donnell, PhD
Summer 2011

Nicole Diane Dueker

“Genetic Variation in Platelet Function as a Risk Factor for Ischemic Stroke”
Mentor: Braxton Mitchell, PhD
Spring 2012

LaShauna Chante Evans

“Effect of Nitric Oxide and Reactive Oxygen Species on Cardiac Remodeling in Hypoxic Fetal Hearts”
Mentor: Loren Thompson, PhD
Spring 2012

Kelly Marie Flannery

“Testing the Feasibility and Efficacy of the Worksite Heart Health Improvement Project (WHHIP)”
Mentor: Barbara Resnick, PhD
Fall 2011

Nicholas Alonzo Frost

“Actin Dynamics at Nanometer Domains within Individual Dendritic Spines”
Mentor: Thomas Blanpied, PhD
Spring 2012
Rabia Afzal Gilani

"Role of Lapatinib and Retinoids in Overcoming Intrinsic Resistance to Hormonal Therapy in Breast Cancer"
Mentor: Angela Brodie, PhD
Summer 2011

Marco Aurelio Goicochea

"Evaluation of Lassa Virus Vaccine Immunogenicity in a CBA/J-ML29 Mouse Model"
Mentor: Igor Lukashevich, MD, PhD, DrSci
Fall 2011

Ahleah Suzanne Gustina

"Elucidating the Molecular Mechanisms of Gating of Human Ether-a-go-go Related Gene Potassium Channels"
Mentor: Matthew Trudeau, PhD
Spring 2012

Kihye Han

"Nurses’ Working Conditions and Obesity"
Mentor: Alison M. Trinkoff, ScD
Summer 2011

Melissa Ann Wright Hayes

"Pathogenic Old World Arenaviruses Inhibit the TLR2-dependent Activation of Innate Immune Responses in vitro"
Mentor: Igor Lukashevich, MD, PhD, DrSci
Spring 2012
Tracey Olga Hermanstyne

"The Kv2.2 Voltage-gated Potassium Channel: From the Gene to Its Potential Physiological Role in Arousal"
Mentors: Hiroaki Misonou, PhD
Jessica A. Mong, PhD
Spring 2012

Jon Mark Hirshon

Mentor: Anthony Harris, MD
Summer 2011

Susan Grace Hopkinson

"Interruptions within the Culture of the Nursing Unit Work Environment"
Mentor: Jeanne Geiger-Brown, PhD
Summer 2011

Akina Hoshino

"Regulation of PC1/3 and the Role of proSAAS in Secretory Protein Aggregation"
Mentor: Iris Lindberg, PhD
Spring 2012
Harris Cheadle Howland, Jr.

"Application of NIR Spectroscopy and Fluorescence Spectroscopy for Monitoring of Curing of Sustained Release Coatings"
Mentor: Stephen Hoag, PhD
Fall 2011

Wenchi Hsu

"Realistic Evaluation of Metered Dose Inhalers Alone or in Association with Add-on Devices"
Mentor: Richard Dalby, PhD
Spring 2012

Brandiese Ebonie Jacobs Beverly

"Ouabain, Vascular Sodium Calcium Exchanger, and Estradiol in Blood Pressure Regulation During Pregnancy"
Mentor: John Hamlyn, PhD
Spring 2012

Angy Jose Kallarackal

"Sero-tonergic Modulation of Glutamate Transmission: Bridging Two Theories of Depression"
Mentor: Scott Thompson, PhD
Fall 2011
Jaclyn Paige Kerr

"Synemin Intermediate Filaments and the Organization of Striated Muscle"
Mentor: Robert Bloch, PhD
Spring 2012

Justin Matthew Kerr

"Subsynaptic AMPA Receptor Distribution Is Acutely Regulated by Actin-driven Reorganization of the Postsynaptic Density"
Mentor: Thomas Blanpied, PhD
Spring 2012

Hae Jung Kim

Mentor: Karen Hopkins, PhD
Spring 2012

Vidula Rohit Kolhatkar

"Elucidating Structural Requirements of Bile Acid Transporters: Prodrug Design for Oral Delivery"
Mentor: James Polli, PhD
Fall 2011
Girish Shreedhar Kulkarni

"Galantamine Protects Against Soman-Induced Apoptotic Cell Death in the Guinea Pig Brain"
Mentor: Edson X. Albuquerque, MD, PhD
Fall 2011

Jun Hyoung Lee

"Polymer-dual Drug Conjugates Targeted to HER2 Overexpressing Breast Cancer"
Mentor: Anjan Nan, PhD
Spring 2012

Ann Louise LeFevre

"Sociocultural Mechanisms Associated With Posttraumatic Stress Disorder: An Analysis of Latino Veterans"
Mentors: Donna Harrington, PhD
Deborah Gioia, PhD
Summer 2011

Gong Li

"Mitochondrial Regulation of Ca\textsuperscript{2+} Released from the Intracellular Stores"
Mentor: Joseph Kao, PhD
Spring 2012
Zhongping Liao

"The Role of Vacuolar Protein Sorting 4 Homolog B in Regulating Epidermal Growth Factor Receptor Signaling in Breast Cancer"
Mentor: Austin Yang, PhD
Fall 2011

Joshua Abraham Lieberman

"Single Particle Localization and a Novel Topology of the Enteropathogenic Escherichia coli Type IV Pilus Outer Membrane Secretin"
Mentor: Michael Donnenberg, MD
Fall 2011

Xinggang Liu

"Determinants of Intrathoracic Adipose Tissue Volume and its Association with Cardiovascular Disease Risk Factors"
Mentor: Braxton Mitchell, PhD
Spring 2012

Laureanne Pilar Elegado Lorenzo

"Immune Dysfunction in the Ts65Dn Mouse Model of Down Syndrome: Potential Role(s) of Reactive Oxygen Species (ROS) and Alterations in IL-7Rα Expression"
Mentor: Mark Williams, PhD
Summer 2011
Zhiqiang Lu

"Use of Insulin and Risk of Cancer among Patients with Diabetes Mellitus: A Nonconcurrent Prospective Study"
Mentor: Sheila Weiss, PhD
Summer 2011

Brittney Ann Manvilla

"Structural and Biochemical Studies of Base Excision Repair Enzymes using Nuclear Magnetic Resonance and X-ray Crystallography"
Mentor: Alex Drohat, PhD
Spring 2012

Mark Edward Marohn

"The Francisella tularensis Phagosomal Transporter Subfamily of Major Facilitator Superfamily Transporters is a Critical Determinant of Pathogenesis and Virulence and Modulates the Host Immune Response"
Mentor: Eileen Barry, PhD
Spring 2012

Bryan John McCranor

"Measuring Cytosolic and Mitochondrial Labile Zinc Concentrations Following Hypoxia/Hypoglycemia with Fluorescence Biosensors."
Mentor: Richard Thompson, PhD
Summer 2011
Luke Philip Michaelson

“Evaluation of Calcium Homeostasis within the Mdx Skeletal Muscle”
Mentor: Christopher Ward, PhD
Fall 2011

Naomi Francisca Montalvo

“The Bacterial Communities Associated with Two Marine Sponges of the Genus Xestospongia”
Mentor: Russell Hill, PhD
Fall 2011

Kerrick Javon Nevels

“Study of the Interactions Between Mitogen-Activated Protein Kinases and Small Molecule Inhibitors of Substrate Proteins Using Fluorescence Spectroscopy”
Mentor: Paul Shapiro, PhD
Fall 2011

Nneka Chioma Monica Onwudiwe

“Radiation Therapy for Breast Cancer: Cardiovascular Event Free Survival (EFS) and Costs”
Mentor: Daniel Mullins, PhD
Spring 2012
Amed Ouattara

"Allele-specific Efficacy of Two Malaria Subunit Vaccines following Immunization with the Polymorphic Antigen Apical Membrane Antigen 1 (AMA1)"
Mentor: Christopher Plowe, MD
Spring 2012

Holly Alicia Porter

"Role of Insulin Receptor Substrate Proteins in Protection from Chemotherapy-induced Cell Death"
Mentor: Achsah Keegan, PhD
Spring 2012

Jingjing Qian

"Influence of Comorbid Depression on Mortality among SSDI-eligible Medicare Beneficiaries with Chronic Obstructive Pulmonary Disease"
Mentor: Linda Simoni-Wastila, PhD
Spring 2012

Karen M. Rice

"Change Over Time in Implementation Fidelity of a Child Welfare Practice Model"
Mentor: Diane DePanfilis, PhD
Fall 2011
Alyson Coleen Ross

"The Relationship of Yoga to Aspects of Health: Results of a National Survey of Yoga Practitioners"
Mentor: Sue Thomas, PhD
Spring 2012

Masayo Sato

"Impact of Erythropoiesis Stimulating Agents on Survival and Risk of Venous Thromboembolism Among Patients with Colorectal Cancer Receiving Chemotherapy"
Mentor: Sheila Weiss, PhD
Spring 2012

Tiffany Marie Scharadin

"TIG3: A Multifunctional Regulator of Cell Proliferation and Survival"
Mentor: Richard Eckert, PhD
Spring 2012

David Michael Schwope

"Free and Glucuronidated Cannabinoids, Subjective, Physiological and Psychomotor Effects and In Vitro Cannabinoid Stability Following Controlled Smoked Cannabis Administration"
Mentor: Marilyn Huestis, PhD
Fall 2011
Aubrey Anne Siebert  

“Nrf2 Mediated Neuroprotection in in vitro Models of Parkinson's Disease”  
Mentor: M Samir Jafri, PhD  
Fall 2011

Deborah Vangeison Svoboda  

“An Intrinsic Case Study of a Domestic Violence Organization's Promotion of Economic Justice for Survivors”  
Mentor: Donna Harrington, PhD  
Spring 2012

Adam Ryan Taylor  

“Cognition Following Prenatal Stress and/or Disruption of Neuregulin-1 Gene: Implications for Schizophrenia”  
Mentor: James Koenig, PhD  
Fall 2011

Sara B. Taylor  

“The Involvement of Type II NRG1 in Neuroendocrine and Behavioral Stress Reactivity”  
Mentor: James Koenig, PhD  
Fall 2011
John Joseph Tobin, Jr.

"The Development of a Gas Chromatography/Mass Spectrometry (GC/MS) Method for the Separation and Identification of Components of Organic Gunshot Residue and Its Use as a Forensic Tool for Association of Firearms Related Evidence"
Mentor: William LaCourse, PhD
Spring 2012

Janet Elizabeth Ugolino

"Characterization of Wild Type and Mutant Atp13a2 Proteins Linked to Parkinson's Disease"
Mentor: Mervyn Monteiro, PhD
Fall 2011

Margaret Elizabeth Watt

"Phenomenology of Perpetrators of Intimate Partner Violence"
Mentor: Debra Scrandis, PhD
Fall 2011

Yu-Jung Wei

"Antiparkinson Drug Use and Adherence, and the Impact on Medicare Part D Enrollees with Parkinson's Disease"
Mentor: Francis Palumbo, PhD, JD
Spring 2012

Melinda Kaye Wilson

"Detection of Adulteration in Commercial Fruit Juices"
Mentor: William LaCourse, PhD
Fall 2011
Kristen Dutcher Woodruff

"Assessing Developmental Pathways of Young Children Investigated for Neglect and Predictors of Persistent Problems"
Mentors: Donna Harrington, PhD
Richard P. Barth, PhD, MSW
Spring 2012

Xia Yan

"Medication Adherence, Cardiovascular Disease Hospitalizations, and Health Care Utilization among Medicaid Populations with Diabetes, Hypertension, and/or Hyperlipidemia"
Mentor: Fadia Shaya, PhD
Fall 2011

Jennifer Ruth Yoon

"The Role of Kinesin Motor Proteins in Mammary Epithelial and Breast Tumor Cell Microtentacles"
Mentor: Stuart Martin, PhD
Summer 2011

Yi Zhu

"Switch of GABA Signaling with Persistent Inflammation"
Mentor: Michael Gold, PhD
Spring 2012
University of Maryland, Baltimore

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