Doctoral
Hooding Ceremony
MAY 16, 2013

UNIVERSITY of MARYLAND
GRADUATE SCHOOL
The Order of Ceremony

Graduate School
University of Maryland
Doctoral Hooding Ceremony
4 p.m. Thursday, May 16, 2013
Southern Management Corporation Campus Center Ballroom
University of Maryland

Processional

Greetings
Jay A. Perman, MD
President, University of Maryland

Bruce Jarrell, MD
Dean, Graduate School

Roger Ward, JD, EdD
Associate Vice President, Academic Affairs

Ratnakar Potla
President, Graduate Student Association

Presentation of Dr. Patricia Sokolove Outstanding Mentor Award
Mazen El Ghaziri
Nominating Student

Sue A. Thomas, PhD
University of Maryland School of Nursing
Outstanding Mentor Awardee

Presentation and Hooding of PhD Graduates
Mentors

Closing Remarks
Bruce Jarrell, MD
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 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 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.
Jessica Sara Albert

"Novel Human Hormone Sensitive Lipase (HSL) Null Mutation Provides Insight to the Mechanism of Dyslipidemia, Insulin Resistance, and PPAR"
Mentor: Alan Shuldiner, MD
Summer 2012

Jennifer Slizewski Albrecht

"Depressive Symptoms, Non-Adherence to Discharge Instructions, and 30-Day Unplanned Hospital Readmission among Community-Dwelling Elders"
Mentor: Jon Furuno, PhD
Spring 2013

Hussain Mohammed Almubarak

"The Role of miRNAs in Early Detection of Oral Cancer"
Mentor: Li Mao, MD, PhD and Timothy Meiller, DDS, PhD
Fall 2012

Kaushal Vijay Asrani

"The Fn14 Receptor Is Up-regulated by HER2 Overexpression and Heregulin1-β1 (HRG) Signaling in Breast Cancer Cells and Contributes to HRG-MMP9-driven Cell Invasion"
Mentor: Jeffrey Winkles, PhD
Summer 2012
Stephanie Lynn Aungst

“Critical Role of TrkB Receptors in Reactive Axonal Sprouting and Hyperexcitability after Axonal Injury”
Mentor: Scott Thompson, PhD
Summer 2012

Antonia Tolson Baaqee

“Identification of Drugs of Abuse as Modulators of Drug-Metabolizing Enzymes through Nuclear Receptor-mediated Mechanisms”
Mentor: Natalie Eddington, PhD and Hongbing Wang, MB, PhD
Fall 2012

Kathleen M. Barlow

“A Meta-Analysis of Transformational Leadership and Subordinate Nursing Personnel Organizational Commitment, Job Satisfaction, and Turnover Intentions”
Mentor: Jeanne Geiger-Brown, PhD
Spring 2013

Steven Edward Bowen

“Abnormal V(D)J Recombination in Ataxia Telangiectasia Mutated (ATM) Deficient CD4/CD8 Double Negative Thymocytes”
Mentor: Ferenc Livak, MD
Summer 2012

Rebecca Ann Placko Brotemarkle

“Factors Associated with Length of Stay and Discharge Disposition in Older Trauma Patients”
Mentor: Barbara Resnick, PhD
Spring 2013
Patricia Ellen Buckley

"Investigation of Botulinum Toxin Antibodies"
Mentor: James Carney, PhD and J. Kristie Johnson, PhD
Spring 2013

Gwendolyn Gabrielle Calhoon

"The Nucleus Accumbens as a Switchboard: Heterosynaptic Suppression in the Ventral Striatum"
Mentor: Patricio O'Donnell, MD, PhD
Spring 2013

Bryan Young Chai

"Trigeminal-Rostral Ventromedial Medulla Involvement in Contralateral Deep Tissue Orofacial Hyperalgesia"
Mentor: Ke Ren, PhD
Spring 2013

Ya-Wen Chen

"Matriptase in Skin: Function and Regulation"
Mentor: Chen-Yong Lin, PhD
Summer 2012

Moran Choe

"An Oncogenic Role for RUNX2 in Breast Cancer Progression and Glucose Metabolism through Regulation of SIRT6"
Mentor: Antonino Passaniti, PhD
Spring 2013

Feng-Pai Chou

"Expression, Regulation, and Inhibition of Matriptase in Human B-cell Neoplasm"
Mentor: Chen-Yong Lin, PhD
Summer 2012
Aric Gabriel Colunga

“Molecular Mechanisms of Oncolysis by the Herpes Simplex Virus Type 2 Mutant ΔPK”
Mentor: Laure Aurelian, PhD
Fall 2012

Rebecca Dawson

“Occupational and Environmental Exposures, Genetic Polymorphisms and Bladder Cancer Risk among Male Farmers in Egypt”
Mentor: Sania Amr, MD
Spring 2013

Leon Gregory De Masi

“Novel Roles for Two Proteins Required for Type IV Pilus Expression in Enteropathogenic Escherichia Coli”
Mentor: Michael Donnenberg, MD
Summer 2012

Mary G. DeGrezia

“Exploration of Coping Strategies in Older, Community Dwelling, HIV Positive Individuals in Baltimore”
Mentor: Karen Kauffman, PhD
Fall 2012

Gaurav Anant Deshpande

“Association between Cardiovascular Drugs and Colon Cancer”
Mentor: Sheila Weiss, PhD
Spring 2013
Sarah E. Dorff

“Characterization of Variants in the Hypertension-Associated Gene STK39”
Mentor: Y.P. Christy Chang, Ph.D.
Fall 2012

Maura Fulham Edmonds

“Managing Change: The Process of Caregiving for Informal Caregivers of Head and Neck Cancer Patients”
Mentor: Deborah McGuire, PhD
Spring 2013

Mazen Issam El Ghaziri

“Understanding the Impact of Coworker Conflict in an Unionized U.S. Public Sector Workforce and Comparative Psychometric Review of the Negative Act Questionnaire”
Mentor: Jane Lipscomb, PhD
Spring 2013

Vicki Ann Freedenberg

“Feasibility and Effect of a Mindfulness Based Stress Reduction Program on Anxiety, Depression, and Coping in a Sample of Adolescents with Implantable Cardioverter Defibrillators or Pacemakers”
Mentor: Sue Thomas, PhD
Spring 2013

Eunice Mari Fuchs

“Biopsychosocial Predictors of Perception of Discharge Readiness and Its Association to 30-day Readmission in Chronic Heart Failure Patients”
Mentor: Robin Newhouse, PhD
Spring 2013
Kavita Gandhi

"Variation in the Circumsporozoite protein in Plasmodium falciparum: Implications for Vaccine Development"
Mentor: Christopher Plowe, MD
Spring 2013

Elena Constance Gianulis

"HERG eag/PAS (ether-a-go-go/Per-Arnt-Sim) Domain: Elucidating its Role in Regulating Channel Gating in Physiology and Disease"
Mentor: Matthew Trudeau, PhD
Spring 2013

Kira Gianni Hartman

"The Role and Inhibition of S100B in Melanoma Cell Signaling"
Mentor: David Weber, PhD
Summer 2012

Peter Ammon Hecker

"Glucose 6-Phosphate Dehydrogenase, Macronutrient Intake, and Heart Failure"
Mentor: William Stanley, PhD
Summer 2012

Aaron R.G.S. Hess

"Anticipation and Prevention of Antimicrobial-Resistant Bacterial Infection in Severely Ill Hospitalized Patients"
Mentor: Anthony Harris, MD
Fall 2012
Li-Yen Rebecca Hu

"Characterization of the Roles of Obscurin in Intercellular Adhesion and Development of Hypertrophic Cardiomyopathy"
Mentor: Aikaterini Kontrogianni, PhD
Spring 2013

Jeongha Hwang

"Evaluation of a Model Relating Inclusion, Organizational Commitment, and Intention to Leave among Child Welfare Workers"
Mentor: Karen Hopkins, PhD
Summer 2012

Chadi Ibrahim

"Determinants of Improved Survival in Patients with Hepatocellular Carcinoma: A SEER-Medicare Analysis"
Mentor: Samer S El-Kamary, MBChB
Spring 2013

Maranda Christine Jackson

"Anxiety, Apathy, and Depression the First-time Stroke Survivors with Aphasia in the Post-Stroke Period"
Mentor: Sue Thomas, PhD
Spring 2013

Josephine Dixon Johnson

"The Role of Pesticides on Honey Bee Health and Hive Maintenance with an Emphasis on the Neonicotinoid, Imidacloprid"
Mentor: Katherine Squibb, PhD
Summer 2012
Andrea L. Jones  
Social Work  
“Volunteer Guardians in the Community: A Mixed Methods Exploration of a Complex Volunteer Task”  
Mentor: Donna Harrington, PhD  
Spring 2013

Aparna Kishor  
Medicine  
“Post-transcriptional Control of Gene Expression by the Major Inducible Heat Shock Protein Hsp70”  
Mentor: Gerald Wilson, PhD  
Fall 2012

Ravikanth Kona  
Pharmacy  
“Application of Near-Infrared Spectroscopy to Monitor In-Process and Product Quality Attributes for Granulation and Immediate Release Tablet Production”  
Mentor: Stephen W. Hoag, PhD  
Fall 2012

Teresa Lee  
Medicine  
“Regulation of the Endoribonuclease RNase-L by the miR-29 Family of MicroRNAs”  
Mentor: Bret Hassel, PhD  
Fall 2012

Yanchun Li  
Medicine  
“Functional Characterization of CXCR3 Receptor Isoforms in Breast Cancer”  
Mentor: Amy Fulton, PhD  
Fall 2012
Han Pin Lim
Pharmacy

"Dissolution and Solubility Enhancement of the Poorly Water Soluble Drug by Forming Solid Dispersion with a Novel Polymeric Solubilizer (Soluplus®)"
Mentor: Stephen Hoag, PhD
Fall 2012

Melissa Ana Liriano
Medicine

"Structure, Dynamics, and Function of S100B and S100A5 Complexes"
Mentor: David Weber, PhD
Summer 2012

Jennifer Tower Lloyd
Medicine

"Bone Mineral Density and Hip Fracture by Body Mass Index"
Mentor: Denise Orwig, PhD
Spring 2013

Paz J. Luncsford
Medicine

"MutY Homologue Is a Caretaker Gene and an Adaptor of the DNA-Damage Response Pathway: Transient Multiprotein-DNA Complexes Lead the Way during Base Excision Repair"
Mentor: Eric Toth, PhD
Fall 2012

Mark S. Maneval
Pharmacy

"Estimating Direct Medical Costs and Their Variation across Heterogeneous Multiple Sclerosis (MS) Patients in the Veterans Health Administration (VHA)"
Mentor: Daniel Mullins, PhD
Fall 2012
Marlene Matarese

Social Work

"Juvenile Justice Workforce's Attitudes toward Sexual and Gender Minority Youth: Influence on the Demonstration of Protective and Supportive Behaviors"
Mentor: Donna Harrington, PhD
Spring 2013

Maya Emily Matheny

Medicine

"The Relationships between Depressive Symptoms, Inflammatory Cytokines, and Lower Extremity Function after Hip Fracture"
Mentor: Denise Orwig, PhD
Spring 2013

Rekha Mathew

Nursing

"The Impact of Order Set Use on Pneumococcal Vaccination at the Time of Admission and at the Time of Discharge for Adult Patients in an Acute Inpatient Setting"
Mentor: Eun-Shim Nahm, PhD
Fall 2012

Laura E. McKnight

Medicine

"Discovery and Evaluation of Small Molecule Inhibitors of the S100B-p53 Interaction"
Mentor: David Weber, PhD
Fall 2012

Lynn Michalopoulos

Social Work

"Exploration of Cross-cultural Adaptability of PTSD among Trauma Survivors in Northern Iraq, Thailand, and the Democratic Republic of Congo: Application of Item Response Theory and Classical Test Theory"
Mentor: Llewellyn Cornelius, PhD
Spring 2013
Michael H. Mohammadi

“Dendritic Hold and Read: A Novel Form of Information Storage and Retrieval”
Mentor: Cha-Min Tang, MD, PhD
Fall 2012

Sheeba Raaj Nadarajah

“A Phenomenological Study on Lived Experiences of Psycho-Socio-Spiritual Healing in Cardiac Rehabilitation Patients”
Mentor: Debra Wiegand, PhD
Fall 2012

Daniel Nagode

“Optogenetic Dissection of Interneuron Microcircuits Driving Cholinergically-Activated Rhythms in CA1 Hippocampus”
Mentor: Bradley Alger, PhD
Fall 2012

Katelyn Yueyi Niu

“Sex Differences in Cannabinoid and Opioid Mediated Analgesia”
Mentor: Jin Ro, PhD
Spring 2013

Bridget Nugent

“Effect of DNA Methyltransferase Activity on Sexual Differentiation of the Rodent Brain”
Mentor: Margaret McCarthy, PhD
Summer 2012

Maura Jean O'Neill

“The Cytoplasmic Heme Binding Protein PhuS of P. aeruginosa: A Heme Oxygenase Titratable Regulator of Extracellular Heme Uptake”
Mentor: Angela Wilks, PhD
Spring 2013
Carly Page

"The Role of STAT1 in SARS Coronavirus Pathogenesis"
Mentor: Matthew Frieman, PhD
Fall 2012

Stephanie Cerceo Page

"Translation of Dendritic mRNA Following Global and Focal Induction of Long-Term Potentiation"
Mentor: Scott Thompson, PhD
Fall 2012

Sheeba Ouseph Paranilam

"Effectiveness of an Electronic Pain Notification System on Postoperative Pain"
Mentor: Meg Johantgen, PhD
Spring 2013

Daniel Alford Powell

"Immune Responses to a Francisella Lipid A Mutant: Characterization and Therapeutic Potential"
Mentor: Robert K. Ernst, PhD
Fall 2012

Kathleen Hoye Powell

"In the Shadow of the Ivory Tower: Neighborhood Relations in a College Town"
Mentor: Julianne Oktay, PhD and Dr. Donna Harrington
Spring 2013

Jeffrey Nelson Purvis

"Effectiveness of Antimicrobial Coated Catheters for Prevention of Blood Stream Infection in a Trauma Patient Population"
Mentor: Erika Friedmann, PhD
Spring 2013
Renuka Roche
Medicine

“Auditory Motor Adaptation in Children with and without Developmental Coordination Disorder (DCD)”
Mentor: Jill Whitall, PhD
Spring 2013

Jami Lynn Saloman
Medicine

“Peripheral Receptor Mechanisms Underlying Orofacial Muscle Pain and Hyperalgesia”
Mentor: Jin Y. Ro, PhD
Fall 2012

Tova N. Schachter
Medicine

“The Control and Effects of Foxo1 in Skeletal Muscle”
Mentor: Martin Schneider, PhD
Fall 2012

Amanda J. Schech
Medicine

“Elucidating the Molecular Mechanisms of Zoledronic Acid in Breast Cancer”
Mentor: Angela Brodie, PhD
Fall 2012

Anna Maria Seekatz
Medicine

“The Effect of Live-attenuated and Wild-type Shigella Strains on the Gastrointestinal Microbiota in Cynomolgus Macaques”
Mentor: Claire Fraser, PhD
Spring 2013
Maureen O'Donnell Shanks

"Identification And Characterization of an A-kinase Anchoring Domain in Chromodomain Helicase Binding Protein 8"
Mentor: Meredith Bond, PhD
Summer 2012

Kristen Elizabeth Shatynski

"Regulation of Adaptive Immune Responses by the Phagocyte-Type NADPH Oxidase in T cells and Antigen Presenting Cells"
Mentor: Mark S. Williams, PhD
Summer 2012

Hermela Shimelis

"Bi-directional Regulation between RNF6 and AKT: Potential Mediators of Prostate Cancer Progression"
Mentor: Yun Qiu, PhD
Spring 2013

Antoinette Marie Shinn

"Cellular Changes in Response to Embedded Fragments: An Animal Surveillance Model"
Mentor: Meg Johantgen, PhD
Fall 2012

Julia Samantha Shoemaker

"Topics in Medicare Part D: Eligibility, Participation, and Impacts"
Mentor: Amy Davidoff, PhD
Fall 2012
Lucille Michelle Tuten

Social Work

“A Comparison of Treatment Outcomes for Participants Receiving RBT versus Participants Receiving RBT plus Recovery Housing (RBT + RH)”
Mentor: Donna Harrington, PhD
Spring 2013

Kimberly Searcey van Vulpen

Social Work

“End-of-Life Care in U.S. Nursing Homes: Resident and Facility Factors that Predict Presence and Use of Services”
Mentor: Donna Harrington, PhD and Banghwa Lee Casado, PhD
Spring 2013

Duan Wang

Pharmacy

“The Role of Constitutive Androstane Receptor in the Bioactivation of Oxazaphosphorines”
Mentor: Hongbing Wang, MB, PhD
Spring 2013

Abby Lee West

Pharmacy

“H. pylori NikR: A New Nickel Regulatory Protein”
Mentor: Sarah L. J. Michel, PhD
Fall 2012

Jessica Lucas Whitt

Medicine

“Neuronal Mechanisms of Chronic Pain Induced by Spinal Cord Injury”
Mentor: Asaf Keller, PhD and Radi Masri, DDS, PhD
Summer 2012
Crystal Dawn Williams  
**Social Work**

"The System of Care Mental Health Service Experience: Differences in Perceptions Between African American and Caucasian Youth and Its Impact on Service Use and the Relationship between Receipt of Services and Emotional and Behavioral Symptoms"
Mentor: Donna Harrington, PhD  
*Fall 2012*

Myra Jo Woolery  
**Nursing**

"Psychometric Evaluation of the Pediatric Constipation Assessment Scale (P-CAS) in Children with Cancer or Hematologic Disorders"
Mentor: Deborah McGuire, PhD  
*Spring 2013*

Xiao Zhu  
**Pharmacy**

"Development of Additive and Polarizable Force Field Parameters for Polypeptides"
Mentor: Alexander D. MacKerell, Jr., PhD  
*Summer 2012*
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