

THE GEORGE WASHINGTON UNIVERSITY

HOODING

2021

2021

2021 DOCTORAL HOODING CELEBRATION

WEDNESDAY, MAY 12, 2021, 7:00 P.M.

Columbian College
of Arts & Sciences

THE GEORGE WASHINGTON UNIVERSITY

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1821-2021

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2021 DOCTORAL HOODING

MAY 12, 2021

SEAL OF THE COLUMBIAN COLLEGE



In 1819, the Reverend Luther Rice, Obadiah B. Brown, Spencer H. Cone, and Enoch Reynolds (all Baptist ministers) set in motion the reality of a college in the District. These men raised the needed funds to purchase land in the nation's capital, petitioned the Congress for a charter, and began organizing a college.

On February 9, 1821, President James Monroe signed the Act of Congress which created the College. By design of the Congress, a special provision was included which required that "persons of every religious denomination shall be capable of being elected Trustees; nor shall any person, either as President, Professor, Tutor or pupil, be refused admittance, or denied any of the privileges, immunities, or advantages thereof, for or on account of his sentiments in matters of religion."

The original seal was designed by James Peale in 1821, at the time of the founding of the Columbian College. This is the seal that the graduates are wearing today as medals. The seal features a Biblical lion lying down with a lamb and Greek text in an open book. The Greek translates to "In the beginning was the Word, and the Word was with God."

In 1873, the name Columbian College was changed to Columbian University and the seal was changed slightly to reflect this. The Latin text around the outside was changed from "Columbiani Collegii" to "Universitatis Columbianae Sigillim." In addition, some text was added to fill up the rest of the open book, since the Greek phrase only took up part of one page. In 1905, after the name changed to the George Washington University, the old seal was replaced by a completely new one.

The original Columbian College seal is currently on display in the Memorabilia Room of Gelman Library.

LETTER FROM THE DEAN



Paul J. Wahlbeck

Dean

Congratulations, Graduates!

This day marks the beginning of a new and exciting journey. As a graduate of the Columbian College of the Arts and Sciences, you now carry with you the skills that our university's namesake considered essential for responsible citizenship, skills that will help you be informed and effective global citizens. I encourage you to use your studies as a foundation for contributing to your communities and making a difference in whatever field you pursue.

As students of the liberal arts, you were driven by your desire to explore new ideas, to think broadly, be creative, ask questions and tackle new challenges. You took chances, combined your academic rigor and achievement with a spirit of exploration and adventure, and enhanced your intellectual and personal growth through GW's unique connections across the nation's capital and around the world.

During your time here, you collaborated with world-renowned scholars; benefited from research grants that positioned you to explore exciting innovations; and had access to the world's top research and cultural institutions—from the Library of Congress to the National Institutes of Health to the Smithsonian. You've also had a front-row seat to history and have experienced some truly special "only at GW" moments.

The relationships you established will provide a strong network to keep you connected with this institution and the world beyond our campus. Wherever you go, be proud to call yourself a George Washington University graduate. It is a privileged group, one that will reward you both personally and professionally.

Please know that the GW community will always be open to you, wherever and however you choose to keep in touch. I encourage you to stay connected through our social media platforms and read about our continued progress—and your continued impact—in our alumni publications. When the opportunity arises, I also hope you come back to Foggy Bottom to attend an event, participate in a campus forum or visit a faculty member.

Congratulations and all my best wishes as you embark on a future of promise and unlimited possibility!

Sincerely,

A handwritten signature in black ink that reads "Paul J. Wahlbeck". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Paul J. Wahlbeck
Dean, Columbian College of Arts and Sciences

AWARDS AND PRIZES

<i>Academic Excellence Award</i>	Sara C. Awartani <i>English</i>
<i>American Institute of Chemists Prize</i>	Laith Z. Samarah <i>Chemistry</i>
<i>American Public Health Association Outstanding Student Abstract Award</i>	Sidney L. Holt <i>Applied Social Psychology</i>
<i>Amsterdam Award in Economics</i>	Jin Ho Kim <i>Economics</i>
<i>Center for International Business Education Research (CIBER) Grant</i>	Aparna Ravi <i>Political Science</i>
<i>Chair's Prize for the Best Poster Presentation by a Graduate Student</i>	Benjamin P. Kopchick <i>Physics</i>
<i>Craig Futterman Prize for Best Graduate Student in Biophysics</i>	Benjamin P. Kopchick <i>Physics</i>
<i>Dean's Dissertation Fellowship</i>	Danielle A. Gilbert <i>Political Science</i>
<i>Dean's Dissertation Fellowship</i>	Nicholas M. Gorgone <i>Physics</i>
<i>Dean's Graduate Instructorship</i>	Chelsea G. Davis <i>History</i>
<i>Dean's Graduate Instructorship</i>	Leah Grisham-Webber <i>English</i>
<i>Dean's Graduate Instructorship</i>	Farisa Khalid <i>English</i>
<i>Dean's Graduate Instructorship</i>	Jin Ho Kim <i>Economics</i>
<i>Dean's Graduate Instructorship</i>	Aryamala Prasad <i>Public Policy and Administration</i>
<i>Dissertation Completion Fellowship</i>	Huong Thu Dang <i>Economics</i>
<i>Dissertation Completion Fellowship</i>	Zeljka Macura <i>Applied Social Psychology</i>
<i>Edward Alexander Bouchet Graduate Honor Society Inductee</i>	Diana Ainembabazi <i>Chemistry</i>
<i>Edward Alexander Bouchet Graduate Honor Society Inductee</i>	William D. Jeffries <i>Clinical Psychology</i>
<i>Edward Alexander Bouchet Graduate Honor Society Inductee</i>	Drishti Pillai <i>Public Policy and Administration</i>
<i>Edward Alexander Bouchet Graduate Honor Society Inductee</i>	Jason T. Suagee <i>Mathematics</i>

AWARDS AND PRIZES

<i>Edward Alexander Bouchet Graduate Honor Society Inductee</i>	Elizabeth Tapanes <i>Human Paleobiology</i>
<i>Harlan Fellowship in Biological Sciences</i>	Timothy E. Kenney <i>Biological Sciences</i>
<i>Harlan Fellowship in Biological Sciences</i>	Reeham W. Motaher <i>Biological Sciences</i>
<i>Harlan Fellowship in Biological Sciences</i>	Amulya Yaparla <i>Biological Sciences</i>
<i>NIH Ruth L. Kirschstein Pre-doctoral Individual National Research Service Award</i>	Julia J. O'Reilly <i>Molecular Medicine</i>
<i>NIH Ruth L. Kirschstein Pre-doctoral Individual National Research Service Award</i>	Indra Sarabia <i>Microbiology & Immunology</i>
<i>Parke Prize for Excellence in Theoretical Physics</i>	Christopher A. Culver <i>Physics</i>
<i>Parke Prize for Excellence in Theoretical Physics</i>	Daniel K. Sadasivan <i>Physics</i>
<i>Provost Diversity Award</i>	Sanam S. Dhaliwal <i>Clinical Psychology</i>
<i>Richard Walk Dissertation Award</i>	Deepti Hemant Joshi <i>Applied Social Psychology</i>
<i>Richard Walk Dissertation Award</i>	Sidney L. Holt <i>Applied Social Psychology</i>
<i>Rumsfeld Foundation Fellowship</i>	Jack Hasler <i>Political Science</i>
<i>Selective Excellence Award</i>	Kieran J. O'Keefe <i>History</i>
<i>Smashing Walnuts Foundation Pre-doctoral Research Award</i>	Sulgi Lee <i>Molecular Medicine</i>
<i>3 Minute Thesis Dissertation Competition - First Place</i>	Katherine M. Hinnant <i>Chemistry</i>
<i>3 Minute Thesis Dissertation Competition - People's Choice</i>	Michelle R. Kramer <i>Cognitive Neuroscience</i>
<i>3 Minute Thesis Dissertation Competition - Second Place</i>	Matthew J. Lefler <i>Chemistry</i>
<i>3 Minute Thesis Dissertation Competition - People's Choice</i>	Julia J. O'Reilly <i>Molecular Medicine</i>
<i>3 Minute Thesis Dissertation Competition – Second Place</i>	Abhilasha Sahay <i>Economics</i>

DOCTOR OF PSYCHOLOGY

Chiara Abbatelli

Clinical Psychology

Advocate: Loring J. Ingraham, Professor of Clinical Psychology

Major Area Paper: The Effect of Childhood Interpersonal Trauma-Related Complex PTSD on Adult Functioning: A Review and Case Study

Graduation Term: Summer 2021

Connor Adams

Clinical Psychology

Advocate: Sarah L. Hedlund, Clinical Assistant Professor of Clinical Psychology

Major Area Paper: The Importance of Tolerating Aggression in the Transference When Treating Individuals with Schizotypal Personality Disorder

Graduation Term: Summer 2021

Cristel Bel

Clinical Psychology

Advocate: Karen Weise, Adjunct Professor of Clinical Psychology

Major Area Paper: Exploring the Role of Cultural Differences and Positive Countertransference in the Treatment of a Narcissistic Patient: A Self Psychological Perspective

Graduation Term: Summer 2021

Andrew Carton

Clinical Psychology

Advocate: Sarah L. Hedlund, Clinical Assistant Professor of Clinical Psychology

Major Area Paper: Evaluating Attachment Theory of Addiction Using Case Material

Graduation Term: Summer 2021

Rachel B Fenton

Clinical Psychology

Advocate: Lara Sheehi, Assistant Professor of Clinical Psychology

Major Area Paper: I Am _____. A Biopsychosocial Approach to Conducting Meaningful Short-Term Dynamic Therapy with a Black Male Patient

Graduation Term: Summer 2021

Camille Hawkins

Clinical Psychology

Advocate: Lara Sheehi, Assistant Professor of Clinical Psychology

Major Area Paper: Reading Erotic Countertransference Through Race and Gender Considerations: A Case Analysis of a Black Female Therapist and Afghani Male Patient Dyad

Graduation Term: Summer 2021

Madeline Huffstickler

Clinical Psychology

Advocate: helen DeVinney, Adjunct Professor of Clinical Psychology

Major Area Paper: The Light and Shadow of the Object: Intersubjective Dynamics of Suicidality and Psychic Trauma

Graduation Term: Summer 2021

Roshan Javadian

Clinical Psychology

Advocate: Lara Sheehi, Assistant Professor of Clinical Psychology

Major Area Paper: Uncovering Trauma in Exile: Moving from Relational and Systematic Enactments to Liberation, Healing and Hope

Graduation Term: Summer 2021

Jasmine Kaleka

Clinical Psychology

Advocate: Lara Sheehi, Assistant Professor of Clinical Psychology

Major Area Paper: The Cultural Context of Attachment: Healing from Attachment Trauma in a South Asian Clinician-East Asian Patient Psychodynamic Psychotherapy Dyad

Graduation Term: Summer 2021

Cristina Margolies

Clinical Psychology

Advocate: Sarah L. Hedlund, Clinical Assistant Professor of Clinical Psychology

Major Area Paper: The Role of Countertransference When Maternity Leave and Forced Termination Coincide

Graduation Term: Summer 2020

DOCTOR OF PSYCHOLOGY

Sydney Mills

Clinical Psychology

Advocate: Cheri Marmarosh, Associate Professor of Clinical Psychology

Major Area Paper: Attachment Style Change in Treatment: The Case of a Patient with Borderline Personality Disorder

Graduation Term: Summer 2021

Jordan L. Ohanesian

Clinical Psychology

Advocate: Richard Ruth, Professor of Clinical Psychology

Major Area Paper: Psychodynamic Perspectives on Anger Management Treatment

Graduation Term: Summer 2021

Adam Rosen

Clinical Psychology

Advocate: Sarah L. Hedlund, Clinical Assistant Professor of Clinical Psychology

Major Area Paper: Psychological Conflict at the Intersection of Neurobiological Difference

Graduation Term: Summer 2021

Molly Tulipan

Clinical Psychology

Advocate: helen DeVinney, Adjunct Professor of Clinical Psychology

Major Area Paper: Tamed Versus Unleashed: Enacting Boredom to Mediate Threats in/to Gender, Race, and Sexuality

Graduation Term: Summer 2021

Jesse A. Walker

Clinical Psychology

Advocate: Lara Sheehi, Assistant Professor of Clinical Psychology

Major Area Paper: Mixed Feelings: Beyond Black or White Thinking in the Clinical Space

Graduation Term: Summer 2021

Jordan B.Y. Watson

Clinical Psychology

Advocate: Cheri Marmarosh, Associate Professor of Clinical Psychology

Major Area Paper: Fearful-Avoidant Attachment: Facilitating Closeness & Emotion Regulation in Patients with Chronic Pain

Graduation Term: Summer 2021

The doctoral internship in Clinical Psychology is year-long intensive clinical training experience required for licensure as a clinical psychologist. Students apply in a highly competitive nationwide match process to secure a position congruent with their training needs and career aspirations. The following sites are the locations where this year's graduating class has trained.

Albany Consortium/Albany Medical College

Catholic University of America Counseling Center

Connected Psychology

Drexel University

Eating Recovery Center-Insight Behavior. Health Centers

Harvard Medical School/Cambridge Health Alliance

Howard University-Counseling Service

Maimonides Medical Center

Nassau University Medical Center

Saint Elizabeths Hospital

Springfield Hospital Center

The Help Group

University of Maryland, Baltimore County Counseling Center

Yale University – Psychiatry

DOCTOR OF PHILOSOPHY

Diana Ainembabazi

Chemistry

Advocate: Adelina Voutchkova-Kostal, Assistant Professor of Chemistry

Dissertation: Catalytic Strategies for Chemical Synthesis and Biomass Valorization

Graduation Term: Summer 2020

Nora A. Alfaiz

English

Advocate: Marshall Alcorn, Professor of English

Dissertation: The Chronicles of War Repercussions in J. R. R. Tolkien and C. S. Lewis's Life and Work

Graduation Term: Summer 2020

Sara Awartani

American Studies

Co-Advocate: Thomas Guglielmo, Associate Professor of American Studies

Co-Advocate: Melani McAlister, Professor of American Studies and International Affairs

Dissertation: Geographies of Liberation, Geographies of Empire: Puerto Rico, Palestine and the US Imperial Project, 1967-1999

Graduation Term: Summer 2020

Sonali Bahl

Molecular Medicine

Co-Advocate: Edward Seto, Professor of Cancer Biology

Co-Advocate: Norman Lee, Professor of Cancer Biology

Dissertation: Regulation of HDAC1 by Epidermal Growth Factor Receptor

Graduation Term: Fall 2020

Christopher M. Bailey

Molecular Medicine

Co-Advocate: Yin Wang, Assistant Professor of Immunotherapy, University of Maryland School of Medicine

Co-Advocate: Norman Lee, Professor of Pharmacology and Physiology

Dissertation: Genetic and Pharmaceutical Targeting of HIF-1 α Enhances PD-L1 Expression in Normal Tissue while Repressing It in Cancer: An Optimal Strategy for Combination Immunotherapy

Graduation Term: Spring 2021

Rhea P. Bakshi

Mathematics

Advocate: Jozef H. Przytycki, Professor of Mathematics

Dissertation: Skein Modules, Skein Algebras, and Their Ramifications

Graduation Term: Spring 2021

James P. Bernot

Genomics and Bioinformatics

Advocate: Keith A. Crandall, Professor of Biostatistics and Bioinformatics

Dissertation: Parasitic Copepod Evolution

Graduation Term: Fall 2020

Iva I. Bilanovic

Mathematics

Advocate: Valentina Harizanov, Professor of Mathematics

Dissertation: Detecting Properties of Algorithmically Presented Algebraic and Relational Structures

Graduation Term: Summer 2020

Ahsan T. Butt

Economics

Advocate: Michael M. Moore, Professor of Economics and International Affairs

Dissertation: Essays on Firm Performance and International Trade

Graduation Term: Summer 2020

McKenzie Rea Carter

Microbiology and Immunology

Co-Advocate: Galadriel Hovel-Miner, Assistant Professor of Microbiology, Immunology, and Tropical Medicine

Co-Advocate: John Hawdon, Associate Professor of Microbiology, Immunology and Tropical Medicine and Biology

Dissertation: Generation and Implementation of a Whole-Genome Gain-of-Function Library in *Trypanosoma brucei*: Insights into Melarsoprol Resistance

Graduation Term: Summer 2020

Chen Chen

Statistics

Co-Advocate: Yan Ma, Professor of Biostatistics and Bioinformatics

Co-Advocate: Qing Pan, Professor of Statistics

Dissertation: Meta-analysis of Rare Events

Graduation Term: Spring 2021

Maria A. Cimporescu

Clinical Psychology

Advocate: George Howe, Professor of Clinical Psychology

Dissertation: Construction and Validation of a New Measure of Appraisal of Anticipatory Threat Related to the Transition Out of College

Graduation Term: Summer 2020

DOCTOR OF PHILOSOPHY

Catherine G. Coogan

Clinical Psychology

Advocate: Cynthia A. Rohrbeck, Associate Professor of Psychology

Dissertation: Theory of Planned Behavior and Bystander Intentions to Prevent Sexual Assault: The Role of Gender

Graduation Term: Summer 2020

Christopher A. Culver

Physics

Advocate: Andrei Alexandru, Associate Professor of Physics

Dissertation: Three-pion Scattering from Lattice QCD

Graduation Term: Summer 2020

Huong T. Dang

Economics

Advocate: Roberto M. Samaniego, Professor of Economics and International Affairs

Dissertation: On the Determinants of Industry Growth and Competition: Policy, Connections, and Technology

Graduation Term: Summer 2020

Chelsea Davis

History

Advocate: Dane Kennedy, Elmer Louis Kayser Professor of History

Dissertation: Cultivating Imperial Networks: Britain's Colonial Wine Production at the Cape of Good Hope and South Australia, 1834-1910

Graduation Term: Spring 2021

Jhon R. Delhy Nolivos

Public Policy and Administration

Advocate: Avi Dor, Professor of Health Policy and Management and of Economics

Dissertation: Essays on the Role of Quality in Healthcare Regulatory Environments

Graduation Term: Summer 2020

Sanam Dhaliwal

Clinical Psychology

Advocate: Huynh Nhu Lee, Professor of Psychology

Dissertation: The Role of Sleep Disturbance in the Onset of Perinatal Depression

Graduation Term: Spring 2021

Hayley M. Dingerdisen

Molecular Medicine

Co-Advocate: Rajar Mazumder, Professor of Biochemistry and Molecular Medicine

Co-Advocate: Linda Werling, Professor of Pharmacology and Physiology

Dissertation: Comprehensive Analysis of Glycosyltransferases in Cancer Identified from a Multifaceted Genomics Approach

Graduation Term: Fall 2020

Colin D. Emrich

Political Science

Advocate: Sara Binder, Professor of Political Science

Dissertation: Essays on Rules and Institutions Affecting State Policy Outcomes

Graduation Term: Spring 2021

Lillian C. Frost

Political Science

Advocate: Nathan J. Brown, Professor of Political Science and International Affairs

Dissertation: Ambiguous Citizenship: Protracted Refugees and the State in Jordan

Graduation Term: Summer 2020

Danielle A. Gilbert

Political Science

Advocate: Alexander Downes, Associate Professor of Political Science

Dissertation: The Logic of Coercive Kidnapping

Graduation Term: Summer 2020

Nicholas M. Gorgone

Physics

Advocate: Chryssa Kouveliotou, Professor of Physics

Dissertation: Canvassing the X-ray Content of the Inner Galactic Plane

Graduation Term: Fall 2020

Eiji Goto

Economics

Advocate: Tara M. Sinclair, Professor of Economics and International Affairs

Dissertation: Essays on Time Series Analysis of Monetary Policy

Graduation Term: Summer 2020

Elizabeth M. F. Grasmeder

Political Science

Advocate: Alexander Downes, Associate Professor of Political Science

Dissertation: Brothers in Arms: Foreign Legions, National Armies, and Re-examining Citizenship and Military Service

Graduation Term: Summer 2020

DOCTOR OF PHILOSOPHY

Leah A. Grisham-Webber

English

Advocate: Maria Frawley, Professor of English

Dissertation: "Heroic Disobedience": The Forced Marriage Plot, 1748-1880

Graduation Term: Summer 2020

Laurel Hammond

Economics

Advocate: Jay C. Shambaugh, Professor of Economics

Dissertation: Essays in International Macroeconomics and Finance

Graduation Term: Summer 2020

Jack C. H. Hasler

Political Science

Advocate: Yonatan Lupu, Associate Professor of Political Science

Dissertation: Explaining the International Infrastructure of Global Telecommunications: Why Government Ownership Determines a Country's Position in Interstate Communications Networks

Graduation Term: Summer 2020

Katherine M. Hinnant

Chemistry

Advocate: J. Houston Miller, Professor of Chemistry

Dissertation: Characterizing Trends Between Surfactant Structure, Fuel Transport Through a Foam Layer, and Foam Fire Extinction Performance for Firefighting Foams Containing Novel Environmentally-Friendly Surfactants

Graduation Term: Spring 2021

Sidney L. Holt

Applied Social Psychology

Advocate: Lisa Bowleg, Professor of Applied Social Psychology

Dissertation: Differentiating the Effects of Overt Versus Subtle Racial Discrimination on Black Men's Health

Graduation Term: Summer 2020

Yuxuan Huang

Economics

Advocate: Jay C. Shambaugh, Professor of Economics and International Affairs

Dissertation: Three Essays on Empirical Macroeconomics

Graduation Term: Summer 2020

David W. Jeffries

Clinical Psychology

Advocate: Sherry D. Molock, Associate Professor of Psychology

Dissertation: Suicidal Behaviors in African American Military Personnel: A Test of the Interpersonal Psychological Theory of Suicide

Graduation Term: Fall 2020

Om Kant Jha

Physics

Advocate: Neil F. Johnson, Professor of Physics

Dissertation: The Structural Dynamics of Complex Networks

Graduation Term: Spring 2021

Deepti Joshi

Applied Social Psychology

Advocate: Tonya Dodge, Professor of Applied Social Psychology

Dissertation: Effects of Stage of Change on Physical Activity Intention as a Function of Motivation among Young Adults in University

Graduation Term: Fall 2020

Eric T. Kenney

Biological Sciences

Advocate: Ioannis Eleftherianos, Associate Professor of Biology

Dissertation: Infection Strategies of Clade V Nematode Parasites by way of Specific Effectors in Heterorhabditis bacteriophora

Graduation Term: Fall 2020

Farisa Khalid

English

Advocate: Jennifer Green-Lewis, Professor of English

Dissertation: The Figure of the Spy in British Cold War Fiction and Drama from Elizabeth Bowen to Tom Stoppard

Graduation Term: Spring 2021

Jin Ho Kim

Economics

Advocate: Roberto M. Samaniego, Professor of Economics and International Affairs

Dissertation: The Effect of Minimum Wage on Labor Market Structure and Household Welfare in Indonesia

Graduation Term: Summer 2020

Daniel Kim

Public Policy and Administration

Advocate: Peter D. Linqiuti, Associate Professor of Environmental Resource Policy

Dissertation: Climate Change Litigation: An Empirical Assessment of the Role of Science in Climate Change Lawsuits

Graduation Term: Fall 2020

DOCTOR OF PHILOSOPHY

Benjamin Kopchick

Physics

Co-Advocate: Cedric Yu, Professor of Radiation Oncology

Co-Advocate: Xiangyun Qiu, Associate Professor of Physics

Dissertation: A Study on the Geometrical Limits and Modern Approaches to External Beam Radiotherapy

Graduation Term: Summer 2020

Michelle R. Kramer

Cognitive Neuroscience

Advocate: Stephen R. Mitroff, Professor of Cognitive Neuroscience

Dissertation: A Data-Driven Characterization of the Adaptability of Human Behavior

Graduation Term: Fall 2020

Emily R. Lathrop

English

Co-Advocate: Holly Dugan, Associate Professor of English

Co-Advocate: Ayanna Thompson, Regents Professor of English

Dissertation: Paratheatrical Shakespeare: Audience Engagement, Universality, and the Shakespeare Industry in the United States

Graduation Term: Spring 2021

Jeongyoon Lee

Cognitive Neuroscience

Advocate: Guangying Wu, Assistant Professor of Cognitive Neuroscience

Dissertation: The Neuronal Organization and Network of the Inferior Colliculus and the Auditory Behavior

Graduation Term: Summer 2020

Sulgi Lee

Molecular Medicine

Co-Advocate: Javad Nazarian, Professor of Genomics and Precision Medicine

Co-Advocate: Erin Villian, Professor of Genomics and Precision Medicine

Dissertation: Identification and Characterization of Tumor Specific Antigens in Pediatric Diffuse Midline Gliomas

Graduation Term: Summer 2020

Matthew J. Lefler

Chemistry

Advocate: Stuart Licht, Professor of Chemistry

Dissertation: Mitigation of Atmospheric Carbon Dioxide on Two Fronts: Improving Efficiency of the Vanadium Diboride Anode Material for Primary Batteries and Direct Electrolysis of CO₂ into Carbon Nanotubes

Graduation Term: Summer 2020

Jinxi Liu

Biostatistics

Co-Advocate: Naja Younes, Associate Research Professor of Biostatistics and Bioinformatics

Co-Advocate: Marinella Tempresa, Associate Research Professor of Biostatistics and Bioinformatics

Dissertation: A Joint Model for Survival and Longitudinal Data Using Shape Invariant Models

Graduation Term: Summer 2020

Andrea F. Lopez-Luzuriaga

Economics

Advocate: Paul E. Carrillo, Professor of Economics

Dissertation: Unintended Consequences of Public Policy

Graduation Term: Summer 2020

Zeljka Macura

Applied Social Psychology

Advocate: Philip J. Moore, Associate Professor of Applied Social Psychology

Dissertation: Social Comparison in the Era of Social Media

Graduation Term: Summer 2020

Lindsay T. McMahon

Public Policy and Administration

Advocate: Sanjay K. Pandey, Shapiro Professor of Public Policy and Public Administration

Dissertation: Cooperation under Decentralization in a Fragile and Conflict Affected State: A Democratic Republic of Congo Case Study

Graduation Term: Summer 2020

Mohamed Megheib

Statistics

Advocate: Sudip Bose, Associate Professor of Statistics

Dissertation: Nonparametric Regression for Spatially Correlated Data

Graduation Term: Summer 2020

DOCTOR OF PHILOSOPHY

Reeham W. Motaher

Biological Sciences

Advocate: Damien O'Halloran, Associate Professor of Biological Sciences

Dissertation: Alternate Approaches to Understand Regulatory Mechanisms Behind the Expression of a Sodium-Calcium, Potassium Exchanger in *Caenorhabditis elegans*

Graduation Term: Summer 2020

Bryan Nguyen

Biological Sciences

Co-Advocate: Keith A. Crandall, Professor of Biostatistics and Bioinformatics

Co-Advocate: Nancy Knowlton, Emerita Sant Chair of Marine Science, National Museum of Natural History, Smithsonian Institution

Dissertation: Sequencing Tropical Marine Biodiversity

Graduation Term: Summer 2020

Julia J. O'Reilly

Molecular Medicine

Co-Advocate: Anna Penn, Associate Professor of Pediatrics

Co-Advocate: Irene Zohn, Associate Professor of Pediatrics, Pharmacology and Physiology

Dissertation: Placental Neurosteroid Disruption in Preterm Birth: Impact on GABAergic Signaling in the Somatosensory Cortex

Graduation Term: Summer 2020

Kieran J. O'Keefe

History

Advocate: Denver Brunsman, Associate Professor of History

Dissertation: Suffering for the Crown: The Hudson Valley Loyalists, Violence, and Forced Migration in Revolutionary North America

Graduation Term: Spring 2021

Kevin S. Petit

Political Science

Advocate: Alexander B. Downes, Associate Professor of Political Science

Dissertation: The Crying Game: The Logic of Armed Group Alliance in Civil War

Graduation Term: Summer 2020

Emily Phung

Microbiology and Immunology

Co-Advocate: Barney Graham, Deputy Director of the Vaccine Research Center and Chief of the Viral Pathogenesis Laboratory, (NIH)

Co-Advocate: Rebecca Lynch, Assistant Professor of Microbiology and Tropical Medicine

Dissertation: Conformation Matters: Immunity Elicited by the Stabilized Pre-Fusion F Subunit Vaccine DS-Cav1 is Potent and Durable

Graduation Term: Fall 2020

Drishti Pillai

Public Policy and Administration

Advocate: Leighton Chun-Lee Ku, Professor of Health Policy and Management

Dissertation: State and Medicaid Tobacco Control Policies and their Association with Conventional and Electronic Cigarette Use, Quitting Behaviors, and Medicaid Spending on Cessation Products for Low-Income Smokers

Graduation Term: Spring 2021

Allison Powell

Microbiology and Immunology

Co-Advocate: C. Russell Y. Cruz, Assistant Professor of Pediatrics

Co-Advocate: David Leitenberg, Associate Professor of Microbiology, Immunology, and Tropical Medicine

Dissertation: Genetically Modified Immune Cells Secreting Broadly Neutralizing Antibodies Against HIV: Restoration of Systemic Immunity

Graduation Term: Spring 2021

Amrisha Prakash

Clinical Psychology

Advocate: Sherry D. Molock, Associate Professor of Clinical Psychology

Dissertation: Factors that Influence Help-Seeking Attitudes Among Asian American College Students

Graduation Term: Summer 2021

Aryamala Prasad

Public Policy and Administration

Advocate: Lori Brainard, Associate Professor of Public Policy and Public Administration

Dissertation: Examining Bureaucratic Responsiveness in India: A Comparative Study of Municipal Services

Graduation Term: Fall 2020

Brian J. Radzinsky

Political Science

Advocate: Charles Glaser, Professor of Political Science and International Affairs

Dissertation: Powers to Hurt: Nuclear Risks, Domestic Politics, and Nuclear Command and Control

Graduation Term: Summer 2020

DOCTOR OF PHILOSOPHY

Aparna Ravi

Political Science

Co-Advocate: Stephen Kaplan, Associate Professor of Political Science

Co-Advocate: Nathan Jensen, Associate Professor of Political Science

Dissertation: Rising Multinationals: The Political Economy of South-North Investment Flows

Graduation Term: Fall 2020

Chelsea Richwine

Public Policy and Administration

Advocate: Avi Dor, Professor of Health Policy and Management

Dissertation: Policy Strategies for Improving Vaccination Coverage among Children and Adolescents

Graduation Term: Summer 2020

Daniel K. Sadasivan

Physics

Co-Advocate: Michael Doering, Associate Professor of Physics

Co-Advocate: Maxim Mai, Visiting Assistant Professor of Physics

Dissertation: Unitary Bethe-Salpeter Methods in Two- and Three-Body Systems

Graduation Term: Summer 2020

Abhilasha Sahay

Economics

Co-Advocate: Remi Jedwab, Associate Professor of Economics and International Affairs

Co-Advocate: Stephen Smith, Professor of Economics and International Affairs

Dissertation: Essays in Development Economics

Graduation Term: Summer 2020

Laith Z. Samarah

Chemistry

Advocate: Akos Vertes, Professor of Chemistry

Dissertation: Single-Cell Metabolic Analysis and Molecular Imaging of Biological Tissues by Mass Spectrometry

Graduation Term: Spring 2021

Indra Sarabia

Microbiology & Immunology

Co-Advocate: Alberto Bosque-Pardos, Assistant Professor of Microbiology, Immunology and Tropical Medicine

Co-Advocate: Michael I. Bukrinsky, Professor of Microbiology, Immunology, Tropical Medicine and of Biochemistry and Molecular Medicine

Dissertation: In Vitro Tools to Study the Establishment of HIV-1 Latency and Evaluate Latency Reversing Agents for HIV-1 Cure Strategies

Graduation Term: Spring 2021

Xiang Shen

Statistics

Advocate: Hua Liang, Professor of Statistics

Dissertation: Model Averaging of Several Semiparametric Models

Graduation Term: Summer 2020

Jason T. Suagee

Mathematics

Advocate: Lowell Abrams, Associate Professor of Mathematics

Dissertation: Existence and Construction of Schnyder Orientations over a Large Class of Higher Genus Surface Triangulations

Graduation Term: Fall 2020

Elizabeth Tapanes

Human Paleobiology

Advocate: Brenda J. Bradley, Associate Professor of Human Paleobiology

Dissertation: The Impact of Ecology, Demography, and Genetics on Primate Pelage

Graduation Term: Spring 2021

John P. Torcivia

Genomics and Bioinformatics

Co-Advocate: Raja Mazumder, Professor of Biochemistry and Molecular Medicine

Co-Advocate: Valerie Hu, Professor of Biochemistry and Molecular Medicine

Dissertation: An Exploration of Cancer-Associated Non-Coding Variations in Whole Genome Sequencing Data

Graduation Term: Summer 2020

Shiyi Wang

Economics

Advocate: Graciela L. Kaminsky, Professor of Economics

Dissertation: Essays on International Capital Flows

Graduation Term: Summer 2020

Dorothy A. White

Clinical Psychology

Advocate: Jody M. Ganiban, Professor of Psychology

Dissertation: Early Childhood Callous-Unemotional Behaviors

Graduation Term: Fall 2020

DOCTOR OF PHILOSOPHY

Jonathan C. Willford

Industrial/Organizational Psychology

Co-Advocate: Tara S. Behrend, Associate Professor of Industrial-Organizational Psychology

Co-Advocate: David Costanza, Associate Professor of Industrial-Organizational Psychology

Dissertation: The Effect of Algorithm Transparency on Algorithm Utilization

Graduation Term: Spring 2021

Bogang Wu

Cancer Biology

Advocate: Professor Rong Li, Professor of Biochemistry and Molecular Medicine

Dissertation: Adipose PD-L1 Promotes Tumor Growth but Attenuates Obesity-Associated Inflammation

Graduation Term: Fall 2020

Nathan Wuertenberg

History

Advocate: Denver A. Brunsmann, Associate Professor of History

Dissertation: Divided We Stand: The 1775 Quebec Campaign and the Rise of Nations, 1760-1815

Graduation Term: Summer 2020

Liuqing Yang

Statistics

Advocate: Qing Pan, Professor of Statistics

Dissertation: Clustering Models with Applications in Gene Expression Profiles

Graduation Term: Summer 2020

Amulya Yaparla

Biological Sciences

Advocate: Leon Grayfer, Assistant Professor of Biological Sciences

Dissertation: Functional Differentiation of Amphibian (*Xenopus laevis*) Macrophages

Graduation Term: Summer 2020

Qianqian Zhang

Public Policy and Public Administration

Advocate: Joseph J. Cordes, Professor of Economics, Public Policy and Public Administration and International Affairs

Dissertation: Fiscal Decentralization and Economic Growth: A New Look Through the Efficiency Channel and the Market-Preserving Channel

Graduation Term: Summer 2020

Xinyu Zhang

Mathematics

Co-Advocate: Maria P. Gualdani, Associate Professor of Mathematics

Co-Advocate: Yanxiang Zhao, Associate Professor of Mathematics

Dissertation: Approximation Methods of Caputo Derivative and Applications to Non-local Porous Medium Equations

Graduation Term: Spring 2021

Qiang Zheng

Economics

Advocate: Xiaoyang (Maggie) Chen, Professor of Economics and International Affairs

Dissertation: Three Essays on Political Polarization and Information Diffusion in Social Media

Graduation Term: Summer 2020

Yifan Zhou

Statistics

Advocate: Feifang Hu, Professor of Statistics

Dissertation: Some New Advances in Covariate-Adaptive Randomization

Graduation Term: Spring 2021

The hooding program is meant to be a guide to the ceremony. Although every effort has been made to ensure its accuracy, the program is not an official record of an individual's degree status. The Office of the Registrar of the university maintains the official list of all graduates.

ALMA MATER

Hail al - ma ma - ter, to thy spir - it

guid - ing, Know - ledge thy close - est friend in its strength a -

bid - ing, Pledge we fi - del - i - ty ne'er its place re -

sign - ing, Hail thee George Wash ing ton

NATIONAL COUNCIL LETTER



**Jason B. Blank, Esq.,
B.A. '02**

*Chair, Columbian College
National Council for the Arts
and Sciences*

Partner, Buckley Sandler LLP

Dear Graduate:

On behalf of the Columbian College National Council for the Arts and Sciences, I offer my congratulations on your significant achievement and welcome you to the George Washington University alumni community. Do not overlook the greatness of this accomplishment.

As an alumnus of this historic institution, I can fully appreciate the excitement of this very special moment in your lives and remember that feeling well. You are now a member of a select group of individuals, bonded by a college for which you will forever be proudly associated. I encourage you to remain involved and, more importantly, engaged in the life of the university as you enter this next phase of your life. The opportunities to make a difference are endless—from becoming an active member of the Alumni Association organizing regional and local alumni events, to mentoring a student, offering services as a career advisor or being a guest lecturer, and providing philanthropic support. Each of these types of engagement offer a unique and wonderful opportunity to continue showing your pride in the University and passing some of that GW spirit down to generations of students to come.

My work as a volunteer in the National Council—which is comprised of alumni, parents and friends who advise the Dean of the Columbian College—has been an incredibly rewarding experience for me. I hope you find similar avenues of engagement and have an impactful role in advancing GW's promise and potential.

Finally, we recognize your time here has required a high level of personal dedication and financial commitment. We are grateful for your investment and hopeful that your degree will lay the groundwork for future success in whatever career you choose.

Again, congratulations! It is both an honor and a pleasure to welcome you as a graduate of the Columbian College of Arts and Sciences, and I hope to see you at a GW event soon.

Raise High!

Sincerely,

A handwritten signature in black ink, appearing to read "JB", followed by a horizontal line.

Jason B. Blank, Esq., B.A. '02

Chair, Columbian College National Council for the Arts and Sciences

Partner, Buckley Sandler LLP



SHARE YOUR DAY

#GWCommencement
#CCASOnward



COLUMBIAN COLLEGE OF ARTS & SCIENCES

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