



WINTER

Commencement
Ceremony



“Today marks a pivotal milestone for our students. They are set to cross the finish line because you—their family, friends, faculty and staff—have been with them every step of the way, challenging them and championing their success.”

Chancellor Joan Gabel

A MESSAGE FROM CHANCELLOR GABEL

Thank you for joining us in celebrating the University of Pittsburgh's 2023 Winter Commencement and in recognizing our students and their academic growth and accomplishments.

Today marks a pivotal milestone for our students. They are set to cross the finish line because you—their family, friends, faculty and staff—have been with them every step of the way, challenging them and championing their success. To those of you who have offered this support: Thank you.

This year's graduates will soon join an even bigger Pitt community—one that includes nearly 350,000 alumni who are living proof that anything is possible with a Pitt education.

To our graduates: Congratulations! Thank you for letting us take this journey with you. I look forward to seeing and hearing about all the incredible things you will do to transform the world in the months and years ahead.

Hail to Pitt!

COLORS DISTINCTIVE OF THE DISCIPLINES AND PROFESSIONS

Color is an important element of all academic ceremonies. Referred to as “faculty colors,” they are used to symbolize degrees earned and areas of study. The colors are based on tradition and are displayed on edgings of hoods, tassels on caps, and flags or banners that represent each school or college.

White: Arts

Dark Brown: Fine Arts

Yellow: Sciences

Orange: Engineering

Drab: Business

Light Blue: Education

Purple: Law

Lemon: Information Sciences

Royal Blue: Philosophy

Citron: Social Work

Peacock Blue: Public Affairs

Green: Medicine

Lilac: Dentistry

Olive Green: Pharmacy

Apricot: Nursing

Salmon: Public Health

Teal: Rehabilitation

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THE NATIONAL ANTHEM

Oh! say, can you see, by the dawn's early light,
What so proudly we hail'd at the twilight's last gleaming,
Whose broad stripes and bright stars, thro' the perilous fight,
O'er the ramparts we watch'd were so gallantly streaming?
And the rockets' red glare, the bombs bursting in air
Gave proof thro' the night that our flag was still there;
Oh! say, does that star-spangled banner yet wave
O'er the land of the free and the home of the brave?

ALMA MATER

Alma Mater, wise and glorious,
Child of Light and Bride of Truth,
Over fate and foe victorious,
Dower'd with eternal youth.
Crowned with love of son and daughter,
Thou shalt conquer as of yore.
Dear Old Pittsburgh, Alma Mater,
God preserve Thee evermore!

ADMINISTRATIVE OFFICERS OF THE UNIVERSITY

Joan Gabel, BA, JD, Chancellor

Joseph J. McCarthy, BS, PhD, Interim Provost and Senior Vice Chancellor

Anantha Shekhar, MD, PhD, Senior Vice Chancellor for the Health Sciences and
John and Gertrude Petersen Dean, School of Medicine

David N. DeJong, BA, PhD, Senior Vice Chancellor for Business and Operations

Rob A. Rutenbar, BS, MS, PhD, Senior Vice Chancellor for Research

Narahari Sastry, BS, MPP, MPH, Senior Vice Chancellor and Chief Financial Officer

Geovette E. Washington, AB, JD, Senior Vice Chancellor and Chief Legal Officer

Paul Supowitz, BS, JD, Special Assistant for Strategic Initiatives and
Interim Board Secretary

Jeffer Choudhry, BS, MBA, Chief Investment Officer

Paul Lawrence, BS, MBA, CFA, Treasurer

UNIVERSITY OF PITTSBURGH
UNDERGRADUATE AND GRADUATE
WINTER COMMENCEMENT CEREMONY

DECEMBER 17, 2023

Presiding, Joan Gabel, JD
Chancellor of the University and Chief Executive Officer

PROGRAM

PRELUDE	Kenyon R. Bonner, EdD <i>Vice Provost for Student Affairs</i>
OPENING OF CEREMONY	Robin Kear, MLIS <i>Chief University Marshal President of the University Senate</i>
ACADEMIC PROCESSION	Members of the University of Pittsburgh Platform Party
THE NATIONAL ANTHEM	Members of the Heinz Chapel Choir
WELCOME	Joan Gabel
COMMENCEMENT ADDRESS	Rajiv Vinnakota, BA <i>President, Institute for Citizens and Scholars</i>
UNDERGRADUATE STUDENT ADDRESS	Kwaku A. Frempong-Manso <i>Candidate for Bachelor of Science Kenneth P. Dietrich School of Arts and Sciences, December 2023</i>
GRADUATE STUDENT ADDRESS	Wenxiao Zheng, MS-CEP, MD <i>Master of Science School of Education, August 2023</i>

ANNOUNCEMENT OF CANDIDATES

ALUMNI WELCOME

Richard Sedory, JD
President, Pitt Alumni Association

ALMA MATER

Members of the Heinz Chapel Choir

CONFERRING OF DEGREES

Joan Gabel

RECESSIONAL

(The audience is requested to remain seated during the recessional.)

RAJIV VINNAKOTA

Rajiv Vinnakota is the seventh president of the Institute for Citizens & Scholars (formerly the Woodrow Wilson National Fellowship Foundation). Prior to joining Citizens & Scholars in July 2019, Vinnakota served as executive vice president of the Youth & Engagement Programs division at the Aspen Institute, a new venture focusing on youth leadership development, civic engagement and opportunity. Before working at the Aspen Institute, he was the cofounder and CEO of The SEED Foundation, the nation's first network of public college-preparatory boarding schools for under served children. He remains on the board of The SEED Foundation.

A graduate and former trustee of Princeton University, Vinnakota has dedicated his career to educating, empowering and supporting America's youths, particularly those from disadvantaged communities. His work as a social entrepreneur and nonprofit leader has earned him national recognition in the form of prestigious fellowships from Echoing Green, Ashoka and the Aspen Institute as well as awards such as Princeton's Woodrow Wilson Award, Harvard University's Innovations in American Government Awards and Oprah Winfrey's Use Your Life Award.

Vinnakota serves on the boards of two public companies, Enovis and ESAB Corporation, and chairs the nominating and governance committee for each of these boards. In addition to being a former trustee and executive committee member at Princeton, Vinnakota is the former national chair of its annual giving committee and former executive committee member for its Aspire capital campaign. He was previously a founding board member of Path Forward, an advisory committee member for the College Board and a board member for the Meyer Foundation. Vinnakota also serves on the advisory committee for Citizen Data.

At Princeton, Vinnakota majored in molecular biology and earned a certificate from its School of Public and International Affairs. He and his family live in Maine.

CANDIDATES FOR DEGREES

At this Commencement Convocation, degrees are conferred upon persons who completed requirements in May, June, August, and December 2023. Because candidates for December 2023 would not have completed degree requirements before the printing of this program, it was not possible to provide more than a tentative listing of candidates. The listing of a degree on a University academic transcript is the official testimony of degree conferral. This academic achievement is celebrated through the issuance of a University diploma.

KENNETH P. DIETRICH SCHOOL OF ARTS AND SCIENCES

Adam Leibovich, BA, PhD, Bettye J. and Ralph E. Bailey
Dean of Arts and Sciences

BACHELOR OF ARTS

December 2023

Anika Agarwal
Samantha E. Allen
Uzoya O. Arebamen
Phachara Arromdee
Julianna O. Asuncion
Mackenzie Marie Bana
Alexus N. Barlow
Sarah F. Barnes
Karyn E. Bartosic
Tarna Batelman
Andrew Beck
Renvie E. Benna
Eric J. Bernheimer
Punya Bhasin
Hayden Anthony Bobbyn
Abigail E. Boohar
Robert J. Breslin
Paul J. Brienza
Bambang M. Brima
Thor J. Britton
Emily M. Brown
Theodore J. Bryant
Hannah Han Bui
Kaitlyn A. Burdick
Joshua F. Burn
Peter J. Busscher
Brenna Callahan
Dante F. Caputo
Brenna Elizabeth Carse
Vincent Cassano
Eva J. Chakey
Marissa Chan
Mia R. Chiaro
Ashley K. Choi
Simon R. Colker
Kit Conway
Jillian F. Curran
Nikolai Sean Czepiel
Ashley E. Davis

Douglas G. Dean
Rafael F. De La O
Nicholas J. DeLucia
Anastasia Marie DeSimone
Neha Devineni
Marlin J. Devonshire
Kaitian Ding
Lisa DiVenere
Thomas Dougherty
Devon Jacob Dubanowitz
Graham Emery
Roy A. Erb
Gabriel F. Eshete
Joshua A. Feldman
Louis J. Fillman
Laura Finkle
Cole Gallagher
El Giaudrone
Victoria M. Gouza
Stephen J. Grady
Ella M. Grant
David S. Green
Meryl R. Greenfogel
Peyton A. Gualtieri
Margaret Harbrecht
Elliott I. Harrison
Tori Hart
Matthew Robert Hauth
Lily M. Heistand
Gavin W. Hetz
Erin E. Horter
Samuel Houser
Emily Howard
Juliana L. Hunt
Reema Jadhav
Gabrielle Janes
Aneesh Kamath
Peter Z. Kazas
Sophie L. Kemppler
Jack Ketchum
Anna M. Kirwin

Grady D. Kraham
Alexander D. Leff
Chugiao Li
Jiyi Liu
Ronald Lwanga
Ellen M. McGough
Penelope E. Means
Nina Berenice Mennies
Alexa R. Meyers
Benjamin A. Miller
Maris B. Miller
Max Ave Miller
Vinn Miller
Valerie Nicole Mobley
Terrence Joseph Moore
Samantha J. Mori
Jason A. Moy
Noah Nachmani
Faran Nadeem
Nandha Nagappan
Mackenzie I. Nemoto
Julie O'Brien
Alexander Ocampo
Naiya Odhner-Wodock
Oluwafikunayomi O Olagbami
Samantha M. Palomba
Grace Papa
Averie Justine Peet
Danielle Pierre
Ben Pisano
Madison Lorraine Pleins
Lulu A. Polinko
Lauren O. Posey
Allison Radziwon
Alexander D. Randall
Halley E. Raynes
Rithika Reddy
Corey Reever
Seamus P. Regan
Christopher D. Rerko
Elise A. Romero

Grace M. Saska
Emily E. Saxman
Mikayla Scheckler
Ira Scheer
Nicholas Scott
Jamie F. Sheppard
Julia J. Simendinger
Kaylee S. Skumburdes
Jesse C. Sossong
Zoe N. Spaide
Katarina Stefanik
Elizabeth J. Stehr
Maisie R. Stewart
Luke M. Swaney
Daniel M. Timmermann
Kate Towers
Caleigh S. Trauger
Zane Robert Troxell
Jack P. Troy
Carter J. Tuttle
Jackson Tyler
Umesh Venkatesh
Giordana N. Verrengia
Alyssa J. Volomino
Gabriella G. Walko
Bingshuo Wang
Jiayun Wang
Zach Warlow
Tierney Washington
Caroline Webb
Tiffany L. Webster
Nicole J. Weiss
Kailee White
Ny'Ara J. Willis
Anita S. Wise
Kyra J. Wisneski
Meg Wolfe
Chunkai Wu
Yiwen Wu
Claire Madeline Young
Nolan R. Zahm
Mason J. Zivotovsky

August 2023

William Macnab Allen
Kylie Y. Barrett
George Samuel Begler
Rohit Bommisetti
Anton Igor Boras
Corbin J. Canterbury
Aaron F. Conrad
Julianne C. Conway
Rosie Dailey
Kai N. Dawkins
Angela de la Fuente
Grace Kelli Delallo
Zikuan Dong
Allyson Doolittle
Thejaswi Duvvuru
Julia E. Erickson
Danielle Nia Floyd
Shawn C. Freeburger
Yasmeen Gauri
Fern Gillespie
Rana Gulen
Jah Hargrove
Violet D. Hershberger
Carlena Jane Hill
Paige Hundley
Tyler D. Hunt
Matt Hytten
Julia E. Kadis
Elle Kenney
Evan P. King
Andrew Z. Kirk
Yanni G. Ktistakis-Conomos
Thomas Leavitt
Brian D. Levy
Megan M. Loftus
Yeqi Lyu
Celia A. Maiers Cubas
Olivia H. Marlowe
Cole Matthews
Ashton M. McCool

Grace E. McGowan
Sophie A. Meloy
Julia Elisabeth Mersky
Tia N. Miles
Alexander J. Mittereder
Marissa Muchnok
William Lawrence Murphy
Renee Muthakana
Liam M. Oberst
Lauren E. Olech
Gleb Perevozchikov
Isaiah J. Perine
Miranda R. Pinchot
Julia Popule
Zachary Posego
James V. Punday
Shilo Ross
Travis Schaffner
MacKenzie Taylor Sendro
Dillon J. Shuster
Rebecca A. Siemon
Janeil Raphaela Sinclair
Richie Joseph Smiechowski
Amina Sohail
Emma P. Soltani
Jonah L. Sonnabend
Hailey L. Stevens
Tyler A. Swenson
Theodoric Teh
Nathan Anthony Temple
Keith L. Traffican
Charles Veet
Isabella M. Voinchet
Tanner Vradenburg
Shanning Wan
Jixi Wang
Jason Robert Whiting
Samuel James Wormer
Xiangsheng Xu
Weipeng Yang
William E. Yost
Shirley Zhang

BACHELOR OF PHILOSOPHY

December 2023

Peter J. Busscher
Nina Berenice Mennies

BACHELOR OF SCIENCE

December 2023

Fayrooz Y. Abdelkader
Maha Rana Prathap Adama
Eva S. Adame Montelongo
Disha Aggarwal
Affan K. Ajmal
Camila M. Alvarez Lopez
Apurvaa S. Anand
E.J. Andrea
Allyson C. Andrews
Kessiah A. Archer-Buckley
Hayley R. Astheimer
Kaitlyn R. Badali
Elias M. Baetzel
Grace Michelle Bair
Hayden O. Bash
Alexander D. Bauer
Avery J. Baxter
Andrew B. Beauseigneur
Henry R. Belt
Roey D. Beniluz
Jiang Bian
Brittany L. Bodnar
Samantha L. Bosco
Marlee J. Bratsch
Madison N. Broaddus
Athena A. Bruess
John M. Cardona
Aidan F. Carney
Sara M. Cavallone
Maci J. Chambers
Ian A. Chaudhari
Arthur Cheng
Rebekah Chieng Ling Rou
Isaac Chieng Xue Dao
Manasa Chillarige
Hyobin Cho
Gavin Conway
Jack Michael Cotellesse
Madeleine A. Crumrine
Prithvi S. Das
Shelby Dean
Rafael F. De La O
Riley M. Dinger
Clara L. Donahue
Sophia T. Donnelly
Victoria Droz
Theresa Dunn
Samantha L. Eicher
Katelyn R. Enache
Joseph W. Eyerman
Zavier J. Fackler
Anna Nicole Farmakis
Melanie Y. Faulkner
Darin R. Fields
Louis J. Fillman
Madeline Louise Fox
Kwaku A. Frempong-Manso
Maya L. French

George Fritze
Nia Haf Gallagher
Emily Garratt
Alexa A. Gauss
Ambar Gautam
Meklit B. Gebremariam
Alyssa Christine Gierlack
Sarah A. Givone
Madysen E. Glesky
Samantha J. Goldberg
Cade Wesley Grable
Addison Grant
Anjali Guntur
Zhichao Guo
Julia R. Haber
Taylor M. Hagan
Brianna A. Hale
Yarah Luna Hamdan
Margaret Harbrecht
Tori Hart
Selena M. Haselbarth
Marko Heuer
Gabriel J. Hitchcock
Jenna Hollyfield
Evan W. Horton
Bosi Hou
Zipan Huang
Justin A. Hui
Morriah E. Hundley
Reema Jadhav
Aryan Jain
Cameryn Jamison
Andrea Zenovia Janak
Gabrielle Janes
Arabella A. Johnson
Emma G. Kallet
Rhea H. Karim
Devin M. Kellar
Nickolas P. Kelly
Sophie L. Kempler
Brendan T. Kern
Catherine E. Kiliany
Bin Kim
Grace Joohye Kim
Melissa R. Kimber
Danielle Nicole Knox
Erika Kondo
Wyatt G. Kriebel
David Lawrence Lacek
Julia M. Lako
Gabrielle M. Lamenza
Samuel M. Landy
Andrew Lee
Jaejun A. Lee
Jason Y. Lee
Rachel Meira Lembeck-Edens
Alaina Li
Tiffany Zhu Lin
Sophia Q. Liu
Llambro Llaguri

Aliyah R. Lupori
John Z. Ly
Emma Mahally
Brian P. Martine
Naomi Massoud Orosco
Collin M. Matheny
Erin P. Mauro
Gracelyn E. Mauro
Declan M. McGuire
Precious E. Melchizedek
Morgan E. Merriman
Teresa L. Miller
Megan Mininno
Tonya A. Mogle
Julie M. Montanez
Brett L. Morgan
Shria Moturi
Lauren Mroch
Jessica Multani
Robert Murphy
Ruth A. Mustovic
Krishna Nayak
Jake M. Neff
Katie D. Nguyen
Alex Nieves
Thomas I. Noble
Michael Noone
Mahija Nukala
James R. Oberleitner
Fiyin Owolabi
Alex Papas
Isabelle J. Pastroff
Parth Patel
Shyam J. Patel
Benjamin A. Peters
Ty Peterson
Benjamin D. Pitetti
Anuya S. Prabhudesai
Arhat M. Pradhan
Joseph C. Purcell
Ziye Qiu
Muhammad Sulaman Rajput
Alexander P. Ramos
Gayatri Ratakonda
Jakob J. Ring
Sean P. Ritchie
Emily R. Roda
Isabella M. Sandora
Jayda E. Sandridge
Maxwell G. Schally
Megan C. Schwerin
Andrew C. Seymour
Anjali N. Shah
McAllister R. Sheldon
Nicholas A. Simpson
Caroline E. Sipper
Abigail M. Sites
Stephen Kyle Skasko
Ashanti Smith
Marissa N. Snyder

Lucca R. Spence
 Varsha Sriram
 Erica L. Stephens
 Tara Stevenson
 Saharsh Talwar
 Dana M. Tamura
 Qingqing Tan
 Xiangting Tang
 Chloe Tassone
 Jordan M. Thompson
 Jackson T. Tini
 Emma N. Toman
 Isabel Tomlin
 Jonathan S. Tran-Speros
 Abdurashid M. Umarov
 Tiffany M. Umstead
 Aidan Upton
 Manon A. VanOverberg
 Rachael Fay Wei
 Nicole J. Weiss
 Madelyn Wiest
 Ethan M. Winter
 Cecilia Wu
 Xiaohan Yang
 Yamini Yepuri
 Junpu Zeng
 Ling Zhan
 Alex Zhang
 Mingqi Zhao
 Sophia A. Zhu

August 2023

Layla D. Abousaab
 Hayley E. Abt
 Zainab M. Akhtar
 Ethan Michael Alfery
 Selin Aygen
 Draven N. Bechtel-Clark
 Nathan H. Benton
 Noah R. Bergey
 Ethan Patrick Berkey
 Burhan Bhatti
 Rachel Baylin Black
 Derrick Michael Bortz
 Olivia Ruth Brull
 Matthew Buchovecky
 Peyton Burnett
 Emmy Calcaterra
 Clement Campbell
 Wentai Cao

Bhuvitha Chagantipati
 Shelby Lynn Chasser
 Ryan Coldren
 Chloe Elizabeth Cosgrove
 Haley Crable
 Julia Cressman
 Mason Daniels
 Colby DeHaut
 McKenzie Dille
 Alexis Distefano
 Joi Dixon
 Madeline Duda
 Rithik Eleti
 Andrew Enck
 Calvin Enderby
 Jackson English
 Paige English
 Aidan Joseph Ernesti
 Cathryn Fitzsimmons
 Maryn Foster
 Carly Garwood
 Yasmeen Gauri
 Fabiola Gierbolini Murray
 Fern Gillespie
 Nolan William Golden
 Maytham Hajji
 Yixuan Han
 Grant Henne
 Kelly Hoffmann
 Rachel Holt
 Yuanzhe Huang
 Jacob Hunsinger
 Kelisa Hysenbegasi
 Lauren Ann Ignatz
 Elizabeth Imhoff
 Alexander Jacobs
 Jeannea Jarboe
 Baixi Ji
 Bryan Jong
 Eric Robert Jozwiak
 Lauren Kawane
 Alexandra Ann Keeling
 Abigail Krefta
 Lois Kyei
 Drew Landaiche
 Shannon Lane
 Jessica Lehman
 Ziming Li
 Amanda Lin
 Ivan Lin
 Andrew Liu

Maddy Lobianco
 Jenai Macarthur
 Jonah Manalo
 Amanda Mason
 Michael McKinley
 Ryan McKinley
 Leila Michal
 Nickolai Miller
 Adam Milling
 Lauren Minutella
 Anthony Murgia
 Navya Nandakesan
 Austin Nooner
 Thomas O'Brien
 Zoe Ofori-Atta
 Taylor O'Shea
 Brennan Osunkwo
 Anne Overmyer
 Gurleen Pal
 Sarah Paschke
 Pranay Patel
 Camille Que
 Jack Reichler
 Nash Ridgley
 Hannah Rothberg
 Leah Ruh
 Addison Schmidt
 Dana Schultz
 Gregory Selby
 Noah Sespico
 Avant Shetty
 Eric Sowers
 Amadeus Stern
 Benjamin Stone
 Carley Sullinger
 Yannan Sun
 Amy Tan
 Ziyi Tang
 Victoria Truong
 Anupriya Tuli
 Anna Kelly Uschak
 Bryce Valerio
 Christina Vlachos
 Ryan Vonderhey
 Siqi Wang
 Melanie Williams
 Nay'yarrah Akerah Winder
 Nicholas Woten
 Jiayin Yang
 Yingqi Yang
 Miranda Yee

MASTER OF ARTS

December 2023

Khumoyun Abdumavlonov
 Maria Alexandra Arana Blas
 Mardoche Sehogan Ayitchehov
 Clio Katherine Begnal
 Victor Chiu

Philip Clippinger
 Seth Goldwasser
 Arifah Roosiany Hasanbasri
 Yutian Jia
 Shannon O'Neill Kelsh
 Erlan Konebayev
 Devon Pham

Yuqiao Shao
 Arpita Soni
 Ivan Leonardo Urrea Rios
 Can Wang

August 2023

Ashwaq Mohammed Alqurashi
Allison Checkeye
Laura Ann Davis

Marina DiMarco
Victoria Holly Glavin
Rahul Kumar
Syeda Momina Masood
Gabriella Nutter

Isin Sezer
Tom Wysocki
Xin Hui Yong
Zane Joseph Zaloga

MASTER OF FINE ARTS

August 2023

Isaac Jacob Knapp
Thomas Carlyle Martin

Kiera Rose O'Brien
Susan Scott Peterson

MASTER OF SCIENCE

December 2023

Mary Blendermann
Mariah Denhart
Tracie Irrowen Ebalu
William Eckerle
Amy M. Glanzer
Rachael Harrison
Daniesha S. Hunter-Rue
Riley Jane Jouppi
Lucia Kapitanova
Jessica Allison Macaluso

Mitchell John Rudy McCloskey
Avital Pelakh
Sonia Rowley
Rodrigo Silva Ferreira
Sumaiya Tasnim
Qiaochu Wan
Yuyu Zhang

August 2023

Turki Alturaifi
Mykola Chernyashvskyy
Israa Gamal Hussien Ali Yusuf
Jiaqi Gan
Lorena Mezini
Sienna Rose Nielsen
Maria Nowicki
Yoquelbin Salcedo Hernandez
Chrystal Spencer
Chunchun Wu

DOCTOR OF PHILOSOPHY

December 2023

Anirban Bardhan
Dissertation: "Conditional Control of Oligonucleotides in Gene Expression and DNA Computation and Targeted Protein Inactivation"

Emily Frances Barker
Dissertation: "Synthesis and Behaviors of Aqua- and Electro-responsive Polymers"

Robed Beauville
Dissertation: "A Minimal Invariant Set, Frames, and Operators"

Xiaowei Bogetti
Dissertation: "Integrating EPR and Computational Modeling to Measure Protein Structure and Dynamics"

Mary Cacace
Dissertation: "Chemical Tools to Inhibit and to Modify Proteins"

Yimin Chen
Dissertation: "Computational Study on Site Selectivity of DMDO-mediated C-H Hydroxylation"

Caleb Benjamin Clever
Dissertation: "Charge and Spin Transport in Organic Systems: From Molecules to Materials"

Evan Robert Collins
Dissertation: "A Reconstruction and Comparison of the Microbial Ecology of Ancient Lake Magadi and Modern Nasikie Engida in the East African Rift Valley"

Karin Cox
Dissertation: "Detecting Rhythmic Spiking through the Power Spectra of Point Process Model Residuals"

Grant Joseph Daskivich
Dissertation: "Characterization and Contextualization of Problematic Substrates for Endoplasmic Reticulum-associated Degradation"

Austin Charles Durham
Dissertation: "Iron-mediated C-H Functionalization of Alkynes"

Cole Emanuelson
Dissertation: "Development of Small Molecule and Peptide Probes for Biological Discovery"

Christian Farina
Dissertation: "Spectrum and Decay of Hybrid Mesons in a Constituent Gluon Model"

Ana Fumurescu
Dissertation: "Primary Schooling, Citizen-Subjects, and Imperial Notions in Romanian-Administered Dobruja, 1878-1920"

Sarah Ann Goda
Dissertation: "Advances in the Development of Photonic Crystal Hydrogels as Versatile Biomolecular Sensors"

Tianping Gu
Dissertation: "Search for Baryon-Number-Violating Processes in $B^0 \rightarrow \overline{\Xi}_c^0 \overline{\Lambda}_c^0$ at Belle and Design of Belle II TOP Trigger System"

- Zikri Hasanbasri
Dissertation: "Improving the Efficiency of Pulsed-EPR Distance Measurements through the Development of Cu(II) and TAM-based Protein Spin Labels"
- Felix Michael Helbing
Dissertation: "Building the Modular Body: Gender, Labor, and Trauma in the Work of Aleksei Gastev"
- Memphis Jane Hill
Dissertation: "Impacts of Metal Contamination and Nitrogen Loadings on Sediment Microbial Communities in Roadside Freshwater Ponds"
- Chasity Paige Janosko
Dissertation: "Conditional Activation of Protein Function"
- Griffin Eli Koch
Dissertation: "Using Virtual Reality to Unpack the Benefits of Context-dependent Memory"
- Yiyang Lu
Dissertation: "Studies of Enantiospecific Interaction between Chiral Molecules and Magnetized Surfaces"
- Devin Mulvey
Dissertation: "Bridging the Gap: Demonstrating the Connection between Non-valence Correlation-bound Anions and Image Potential States Using One-election Model"
- Giacomo Nebbia
Dissertation: "Image-text Alignment Uncovers Sources of Supervision for Object Detection-oriented Multimodal Deep Learning Models"
- Geneveive Roxanne Newman
Dissertation: "Of Victims and Survivors: Representing Collective and Individual Rape Trauma"
- Castilleja Fallon Olmsted
Dissertation: "Evaluating the Importance of Cryptic Reservoirs of Species and Functional Groups for Biodiversity Maintenance in Forests"
- Andrea Paolini
Dissertation: "Human Rights Writing: Activist Composition in a Global World"
- Shilpa Ravindra Rao
Dissertation: "Structural and Functional Studies of Cysteine-rich Proteomimetic Scaffolds"
- Joshua Lawrence Schneider
Dissertation: "Building Spaces for Play: How Mothers Design and Explore New Play Environments with Pre-walking and Walking Infants"
- Zoe C. Simon
Dissertation: "Photocatalytic Synthesis of Metallic Nanoparticles and Their Applications"
- Adam Charles Stawski
Dissertation: "Nonexpansive Mappings in Fixed-point Theory and Entropy"
- Xiaole Yang
Dissertation: "Investigation of a Small-molecule Inhibitor of Biomolecular Condensate Formation of the Essential Bacterial Segregation CTPaseParB"
- Ali Yagiz Yildiz
Dissertation: "Left Radical Internationalism and Founding of the Third International, 1910-1920"
- Huseyin Zengin
Dissertation: "Essays on Military Violence and Democratic Politics"
- Chao Zhou
Dissertation: "Superconducting Quantum Routers, Modules, Gates, and Measurements Based on Charge-pumped Parametric Interactions"
- Deyu Zhou
Dissertation: "The Historical Persistence of Far-right Influence in Belgium"
- Jin Zhu
Dissertation: "Enantio- and Regioselective Propargylic and Allylic Functionalization"
- August 2023**
- Rakan A. Alseghayer
Dissertation: "Optimizing Operators for Temporal and Spatiotemporal Data"
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Dissertation: "Essays on Economic Inequality"
- Matthias Avina
Dissertation: "What's in a Brand? Party Rebranding in Europe"
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Dissertation: "Three Essays on the Economics of Higher Education in the United States"
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- Saeed Abdullah Binsabaan
Dissertation: "A Multifaceted Approach to Gain Insight into the Mechanisms Underlying Novel Phage-Host Interactions"
- Ryan Alan Blank
Dissertation: "Plato's Necromantic Persuasion: Rhetoric, Death, and Sorcery In and Beyond the Menexenus"
- Samuel Boateng
Dissertation: "Ghana Jazz Transnationalism: Music, African Migration, Diasporic Dialogues, and Scene"
- Anthony Travis Bogetti
Dissertation: "Shooting for the Moon with Weighted Ensemble Applications"

- Dominique Ongela Branson
Dissertation: "Sounding Guilty: Criminality and Black Racialized Speech"
- Mary Elizabeth Rouse Braza
Dissertation: "Geometry, Kinematics, and Exhumation Pathways in the Himalaya: Thermokinematic Models for Western Nepal and Arunachal Pradesh, India"
- Cordelia Hope Brazile
Dissertation: "Before and After Title IX: The Persistent Entanglement of Race and Gender in Women's Collegiate Sport, 1892-1992"
- Emily Roemer Britsch
Dissertation: "Early Conversational Skills in the Younger Siblings of Children with Autism"
- Alannah Sheri Caisey
Dissertation: "Black Women's Liberatory Pedagogies: Towards a Transformative Theory and Praxis"
- Juan Manuel Campanario
Dissertation: "Three Essays on Health and Economic Development"
- Christine Bradford Case
Dissertation: "Composite Bodies: Race, Gender, and Dis/ability in Fairy Tale Performance"
- Yufei Chen
Dissertation: "Three Essays on Microeconomic Theory"
- Edgar Luis Colon Melendez
Dissertation: "El ajedrez en la literatura argentina: Borges, Walsh, Piglia"
- Nevin Patrick Cullen
Dissertation: "Investigating Consequences of Metal Hyperaccumulation by Plants for Flower-Microbe Interactions"
- Caitlin Mercedes Dahl
Dissertation: "Queer Galanterie: Accommodating Histories and Bodies in Early Modern France"
- Marina DiMarco
Dissertation: "Explaining and Intervening in Biosocial Science"
- Elizabeth Ann Edershile
Dissertation: "Integrating Naturalistic and Experimental Paradigms to Understand Mechanisms of Narcissism"
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- Hasitha Anuradha Ekanayake
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Dissertation: "Beyond the Wall: Post-Socialist Museums in the Former German Democratic Republic"
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Dissertation: "Literary 'Versions': Writing, Sound, and Historiographic Method in Contemporary Caribbean Fiction"
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Dissertation: "Investigating Gender Differences in Test Anxiety, Self-efficacy, Mindset, Grade Penalty and Grades in Physics Courses: A Quest for Equity"
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Dissertation: "Laminated Holocene Lacustrine Sediment Records of ENSO and PDO-scale Climate Variability from the Pacific Basin"
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Dissertation: "Cinema as Contraband: Bombay's Cine-crime Nexus, 1977-1991"
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Dissertation: "Angular Distributions in T-channel Single-top Decay"
- Katie Nguyen
Dissertation: "The Identification and Characterization of Disease-associated Missense Variants in the Renal Potassium Channel ROMK"
- Jordan Parrish
Dissertation: "A Phantom Experience: Traumatic Embodiment in Temporal Body Horror Cinema"
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- Yijia Qiu
Dissertation: "Productive Differentiation and Pottery Consumption among House Groups in Three Districts of Lower Dover during Late Classic Period: A Geochemical Perspective"
- Natalia Rivera Morales
Dissertation: "Nativist Psychosis: Impressions of Psychiatric and Intellectual Disability in Puerto Rican Literature, Medical Culture, and Jurisprudence"
- Nesli Gabriela Rodriguez
Dissertation: "Contact Composition: Learning with/ in Movement(s), Transnational Feminisms, and Writing"
- Tyler Joseph Rohan
Dissertation: "Enhancing Landslide Susceptibility Analysis through Citizen Science, Geospatial Analysis, and Precipitation Thresholds in Urbanizing Environments"
- Nozomi Saito
Dissertation: "Aftermaths of Empires: Cold War Narratives of the Black Pacific"
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Dissertation: "Regulation of DNA Demethylation: Investigating the Effect of Catalytic Space Engineering"
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- Qian Song
Dissertation: “Radiative Corrections for ZH Production at Electron-Positron Collider”
- Christopher Joseph Staley
Dissertation: “What’s the Point?: Multipodal Orbits in the Suzuki Method of Actor Training”
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- Nikhil Thomas Titus
Dissertation: “Curated Desires: Intersections of Low-grade Cinema, Migration, and Gentrification in Mumbai”
- Dylan T. Tomares
Dissertation: “A Tale of Two Condensates: From Studying the Mechanisms of Natural Bacterial Condensate Assembly to Developing a Novel Synthetic Condensate”
- Shiv Upadhyay
Dissertation: “Theoretical Treatment of Weakly Bound Fermions to Atoms, Molecules, and Clusters”
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Dissertation: “Sounding Minority Beliefs: The Dialogic Soundscapes of the Guerx Sal Lad Festival of the Bai in Yunnan, Southwest China”
- Bomin Zhang
Dissertation: “Josephson Current in Hybrid Semiconductor-Superconductor One-dimensional Devices”
- Xiaozhong Zhang
Dissertation: “Leveraging Interactive User Feedback for Personalized Data Visualization Recommendation”

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Dissertation: "Design and Processing of Highly Conductive Transparent Electrodes for Semi-transparent Solar Cells"

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Dissertation: "From Well Log to Formation Model: A Novel Laboratory Calibrated Methodology with Demonstration"

Grace Vanessa De Leon Nope

Dissertation: "High-temperature Oxidation and Fatigue Performance of Alloy 625: Effect of Alloy Manufacturing Process"

Eduardo Diniz Dos Santos Diniz

Dissertation: "Multi-scale Spatiotemporal Neural Computation: On the Relationship between Dynamical Attractors, Spiking Neural Networks, and Convolutional Neural Circuits"

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Dissertation: "Learning Effective Representations Efficiently: Models, Applications, and Metrics"

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Dissertation: "Atomic-scale In Situ TEM Investigation of Grain Boundary Deformation Behavior in FCC Gold"

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Dissertation: "Nanophotonic Devices for Chip-scale Single Photon Sources"

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Dissertation: "An Approach for the Analysis of Software Common Cause Failures in Digital Instrumentation and Control Systems"

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Dissertation: "Polymer Infiltration and Pyrolysis of Silicon Carbide Ceramics Using Transient Liquid"

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Dissertation: "Characterizing Isotropic Materials in Corrosive Environments: A Non-destructive Testing Approach Using an Advanced Line Focus Transducer"
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- Shaniel Tanique Bowen
Dissertation: "Use of Computational Morphometry and Modeling to Assess the Impact of Aging and Prolapse Repair on Female Pelvic Anatomy"
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Dissertation: "Multimodal Brain Connectomics and Its Applications"
- Mahpara Habib
Dissertation: "Modeling Piezoelectric Wave Energy Harvesters and Novel Carbon Capture Solid Sorbents"
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Dissertation: "Physics-based CALPHAD Modeling of the Ga-Mn-Ni System Using Third-generation Unary Data"
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Dissertation: "Towards Optimizing Left Ventricular Assist Device (LVAD) Therapy for Patients with Advanced Heart Failure: Exploring Machine Learning Applications in Pre- and Post-LVAD Therapy"
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Evolution Reaction”

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Sensitivity Analysis”

SCHOOL OF LAW

Mary Crossley, BA JD, Interim Dean

JURIS DOCTOR

December 2023

Caroline Bailey
Richard Senior

May 2023

Catrina M. Abbott
Shelby Bennett
Sophia Benoit
Emilia Beuger
Alec E. Bosnic
Hannah G. Brem
Hanna Brouman
Haven Campbell
James L. Cartwright
Caitlin Elizabeth Cesa
Gloria O. Chibueze-Azinge
Jeremy Marc Childs
Matthew Christoph
Brooke Christy
Kristian E. Crosbie
Daniel G. Cruickshank
Alexander Joseph Curran
Valerie Daigneault
Alexander R. Diamond
Katelyn DiBenedetto
Celia Marie DiCarlo
Alexander Dickinson
Heather Dieterich
Elliot DiGioia
Christian Dimeo
Hattie Dougherty
Kaleigh L. Dryden
Drew Durbin
Amira Montasser El Sawi
Molly Ellman Ennis
Jacob M. Fabian

Joe Ferari
Marie H. Feyche
Patrick Robert Fitzgerald
Campbell B. Flaherty
Exandra Gaytan
Katherine Gemmingen
Sandrine Gibbons
Wilson Guarnera
Gaurav Gupte
Katherine A. Guzzi
Rachel Marie Haak
Lina Han
Tanner Harris
Matthew N. Hauser
Corey Hemphill
Ryan House
Anthony Jessel
Brianna L. Joyner
Katie A. Kapral
Julie Eleni Karabin
Robert D. Kaufman
Zoe Elizabeth Kecskemethy
Nicholas J. Kiger
Thaddeus John Kotarski
Kaitlin R. Kramer
Demitria L. Kuczala
Colleen M. Long
Matthew R. Mangapora
Benjamin S. Mantica
Hunter L. Mason
Collin Christopher McCourt
James R. McMaster
Caden Joseph Meier
Sydney Alyss Mengel
Meghan Sky Mesojedec
Laura E. Mudrick
Megan Nanovic
Ryan Pallone
Michael A. Pasek

Christine Ritchie Pelini
Alex M. Peperak
Fred Porter
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Saffra E. Rahmany
Kamryn Randall
Conor James Reilly
Brendan Renne
Rebecca Louise Reuss
Cade Richmond
Connor M. Riley
Alayna Roberts
Lucia S. Romani
Gina T. Rosso
Amelia Rude
Alexander Ray Sanchez
Leah Kaye Santorine
Cassandra Scanlon
Jack D. Scott
Evan M. Sebio
Gabrielle K. Shaulis
Joshua R. Shearer
Langston J. Sheppard
Amanda Nicole Shields
John P. Sieber
Xander Silva
Alec R. Smith
Roderick O. Smith
Shannon Spence
Ari B. Spillerman
Jacqueline Stalnaker
Madeline T. Stuchell
Michael Supinka
Veronica Vivero-Condon
Kristen R. Wagner
Izaak Rodrigo Weaver-Herrera
Josephine H. Wenson
Octavia J. Williams

MASTER OF LAWS

December 2023

Deniz Akkaya
Sara Alduaij
Mohammed Saleh M. Almehmadi

May 2023

Mohammed Ibrahim M. Almuayli
Tetiana Borysenko
Igor Cichello Benassi
Lea El Khoury
Luisa Gambs
Sayed Hamidullah Hashemi
Maryam Jami
Samuel Kempinger
Andrii Kokhan
Oleh Kornat

Andrea Maceri
Mohammad Nazeer Mayar
Tymur Mykhailov
Yaroslav Petrenko
Anastasiia Rozvadovska
Yasameen Talaat
Olha V. Tsyliuryk
Mathilde Vendryes
Anna Vnukova
Ebru Yukselten

MASTER OF STUDIES IN LAW

December 2023

Harold Blake Jr.
Rachel L. Cumberland
Aynsley Jimenez
Yawah Nicholson
Michelle Lynn Sergent
Zehua Sun
Jessica L. Thomas

May 2023

Lindsay Isenberg

DOCTOR OF JURIDICAL SCIENCE

December 2023

Vincent Kiplangat Mutai

May 2023

Ahmed Ali Saif Al Yarabi
Vincent Kiplangat Mutai
Shadi Hanna Shahoud

SCHOOL OF EDUCATION

Eboni M. Zamani-Gallaher, BS, MS, PhD, Interim
Renee and Richard Goldman Dean

BACHELOR OF SCIENCE

December 2023

Delphie Backs
Mary Borkoski
Sophia B. Connelly
Kit Conway
Gavin Hetz
Bin Kim
Isaiah L. Marsalis
Teresa L. Miller
Zora Grace Mosley
Emily Nemtuda
Elise A. Romero
Hannah E. Sekelsky
Zheng Sun
Jessica Uhl

August 2023

Brooke Dant
Jack Leger DeGurian
Suzie Clementine d'Herve
Michael W. Dowling
Jennifer Espinoza
Emily McBeth
Zoe Miller
Mara Miranda
Emma Isabel Morganstein
Katelyn Rose Osman
Kate Sullivan
Olivia Vioral

MASTER OF ARTS

December 2023

Rebecca A. Daugherty

August 2023

Kimberly A. Abraham
Musaad Ibrahim Alquruni

MASTER OF ARTS IN TEACHING

August 2023

Aiden J. Marcellis
Brooke Ross

June 2023

Rosemary Andrews
Marissa John Bitonti
Lindsey Briant
Hailey Brown
Melina Rae Bushmen

Cameron Reid Cesare
Lauren Lynn Clark
Patrick Cloonan
Alexander M. Cohen
Gregory Collins
Dylan Joseph Crossen
Emily Alexandra Duque
John Michael Garrow
Jamie Leigh Glasser
Spencer James Homitz
Anda Sabrina Iacob
Claire Kennedy
Jeffrey Kim

Claire Kreider
Grace Anine Leonard
Jake Louis Mencini
Jennifer Joan Nguyen
Hugo Perez
Maggie Purtell
Celia Clare Radock
Conan Rooney
Jessica Hope Taylor
R.J. Williams
Madison Winter
Andrew Yankes

MASTER OF EDUCATION

December 2023

Elsbeth Kathryn Cunningham
Jacqueline B. Friedman
Joanna E. Graham
Marcie E. Johnson
Kaitlin M. Kernan
Sara J. Lujan
Kenady M. O'Neil
Veronica Arruda Paulo

Christiana A. Raftis
Tiffany Robinson
LaToya Walters
Hannah Williams
Brandon H. Yee

August 2023

Shannon E. Baker
Madeleine Berg
Lucia Bonacchi
John Burkhalter
Michaela M. Buzzard
Madison Cieri
Hannah Joelle Deichler
Sydney DonGiovanni

Carly Angela Erdmann
Amanda Lauren Gaydos
Margaret M. Gilchrist
Hana Goodman
Kenneth R. Hale
Courtney McKenzie Hill
Candace L. McComb

Emily R. McKain
Colin Patrick Merrigan
Cody Robert Pawlowski
Sarah N. Raptosh
Donna L. Ruff
Erin Schreiber
Anthony Sendro

Julia A. Stich
Rachel L. Taylor
Tyler Trichilo
Megan K. Wood
Miranda M. Zarlino

MASTER OF SCIENCE

December 2023

Yitian Huang

August 2023

Andrew Christian Beane
Eliana Benia
Andrew Jacob Biegler

John Edward Byler
Hannah Corey
Joshua Davis
Jantrell Drakes
Dalton William Jones
Malina Marie Kamienski
Noah John Kane
Anna Kenyon
Christopher Maloney
Chloe Lenay Neely

Daniel Neofes
Montrell Robert Newton
Kristen Lee Parenteau
Alisa Roberts
Zain Eric Skalos
Maggie Slavin
Brittney Villhauer
Wenxiao Zheng

DOCTOR OF EDUCATION

December 2023

Daren A. Ellerbee
Dissertation: "Seeking
Self-determination for Black
Communities: Toward
Revolutionary Place-based
Community Engagement"

Haley M. Hayden
Dissertation: "Fostering
Social and Co-curricular
Engagement with Commuter
Students at a Regional
University Campus"

Rebecca Leigh Hoffman
Dissertation: "Engaging the
Commuter Student: The
Impact of a Majors
Mentor Program on
Commuter Students"

Kyoungah Lee
Dissertation: "One Caring
Person: The Impact of
Student-Staff Casual I
nteraction on International
Students' Sense of Belonging"

August 2023

Jennifer C. Dalzell
Dissertation:
"Professional Learning
Communities to Support Adult
English Language Learners
Who Are Emergent Readers"

Denise A. Esposto
Dissertation: "Supporting
Teacher Understanding and
Intervention of the Effects
of Trauma on Preschool
Development and Behaviors
in the Classroom"

Derek J. Fischer
Dissertation: "Research on
the Use of a World Language
Self-assessment Instrument:
Course Placement of
Incoming Students and
Their Study of French at
the University Level"

Michelle R. Fullem
Dissertation: "Examining
the Effectiveness of
Implementing a Stay
Interview Process to Impact
Retention of Information
Technology Staff in Higher
Education"

Sean W. Gess

Dissertation: "Overcoming
Silent Classrooms:
Facilitating Richer, Student-
centered Class-wide
Discussions to Support
Learning through Exposure
to Multiple Perspectives and
Practicing Scientific
Argumentation"

Anthony D. Hall

Dissertation: "A Lack of
Access Anywhere Is a Lack of
Access Everywhere: A Case
Study of the Lack of Access
to Advance-level Courses for
Black Students at Pittsburgh
Westinghouse Academy"

Cassandra R. Hayt

Dissertation: "Becoming
a Learning Organization:
Identifying Best Practices to
Evaluate, Sustain, and Evolve
Meaningful Engagement
with Alumni"

Shenay D. Jeffrey

Dissertation: "The
Conceptualization of Civic
Mindedness by BIPOC
Students at the University
of Pittsburgh"

Ebonie N. Lamb

Dissertation: "Meeting the Needs for Students with Disabilities in Inclusion Classrooms' Co-teaching: Role of Teachers and Equitable Teaching Practices"

Sherry L. Light

Dissertation: "Beyond Vocabulary Lessons: Improving Academic Vocabulary Equity for Fifth-grade Students with Specific Reading Disabilities through Sustained Use in Reciprocal Dialogue"

Anastasia V. Mazur

Dissertation: "Critical Literacy in the Elementary Classroom"

Joanna L. Mittereder

Dissertation: "Supporting Adopted College Students: Developing Student-ready Student Affairs Professionals"

Charissa L. Reardon

Dissertation: "Directing the Table: Empowering Parents for Stronger Transition Outcome"

Justin L. Schwartz

Dissertation: "Detect, Practice, Repair Multiplication Fact Fluency Intervention for Middle School Students Identified with Learning Disabilities"

Briea Dawne St. Clair

Dissertation: "Psychological Safety in the Workplace: The Impact of Staff Mentoring Program"

Christa S. Togans

Dissertation: "The Reintroduction of Young Black Males to Advanced Mathematics"

Amira McLemore Wolfson

Dissertation: "Leveraging the Power of Peer Collaboration and Principal Support: An Innovative Approach to Tier 1 Behavioral Intervention Strategies in the Classroom"

June 2023

Karen L. Avery

Dissertation: "Mitigating Student Barriers to Office Hour Visits to Support Early Success for First-semester Health Science Majors"

Susan Marie Geer

Dissertation: "Scaffolded Support of Physics Problem Solving to Encourage Physics, Engineering, and Mathematics Majors toward Authentic Problem Solving and Community"

Rachel L. Gray

Dissertation: "Teacher Collaboration and Its Impact on Second-grade Oral Reading Fluency"

Rita Mukherjee Hoffstadt

Dissertation: "Reframing the Museum: Working with Staff to Step into a New Community-focused Mission and Vision"

Jacob R. Minsinger

Dissertation: "Integrating Research-based Analytic Writing Instructional Strategies into Middle School English Language Arts Classrooms"

Madeline S. Neely

Dissertation: "The Impact of Content-specific Professional Development on Sex Educators' Confidence Levels"

Caroline W. Passerello

Dissertation: "Development and Assessment of Cultural Competemility among Supervised Experiential Learning Preceptors in Nutrition and Dietetics Education"

Tasha N. Peacock

Dissertation: "Exploring Burnout Phenomena through the Perceptions of One Urban University's Former College Access Professionals"

Charissa Rychcik

Dissertation: "Using Motivational Interviewing to Improve Parent Engagement in Student Attendance Improvement Conferences"

Jill R. Sarada

Dissertation: "Instructional Coaching: The Importance of Clarity for All Stakeholders"

Sarah E. Slegal

Dissertation: "Novice Special Education Teacher Identity Development"

Tiffany M. Smietana

Dissertation: "Assessing the Effectiveness of Simulation Activities in a High School Financial Literacy Classroom"

Audrey M. Sykes

Dissertation: "Scales to Tails: Reimagining Relationships in Learning Ecosystems"

Kamya Vijayakrishnan

Dissertation: "Evidence-based Social Skills Intervention for Students with Autism Enrolled in Cyber Charter School"

Amy S. Wanchisn

Dissertation: "Supporting Every Child: Integrating Trauma-informed Practices into the Elementary Setting"

Danae N. Williams

Dissertation: "Representation in Teacher Education: Attracting Black Applicants to Pitt's Undergraduate Teacher Education Programs"

DOCTOR OF PHILOSOPHY

December 2023

Caitlin A. Cheruka

Dissertation: “The Effects of a 4-week Vinyasa Yoga Intervention on Sleep and Cardiovascular Health in Adults with Insomnia Symptoms”

Shangmou Xu

Dissertation: “Variation in Opportunity to Learn at Secondary Education: The Social Determinants of Between- and Within-School STEM Tracking in the U.S. and Beyond”

August 2023

Carli A. Liguori

Dissertation: “The Usefulness of Targeted Messaging Techniques to Promote Healthy Food Choice in the Food Retail Environment”

Shali Liu

Dissertation: “Cultural Transitions: The Surviving and Thriving of Single Chinese International Female Doctoral Students in the United States”

Dao T. Nguyen

Dissertation: “Asian American Women’s Success [Stories] in STEM Fields in Higher Education: A Phenomenological Narrative Research”

Jawanza Kalonji Rand

Dissertation: “Socially Responsible Education in an Age of Anti-Blackness: Core Curricula and Black Studies as Strategic Sites for Cultivating Racial Literacy and Antiracist Ethics”

Jenay Willis

Dissertation: “‘We Gotta Think about Our Community as a Collective’: A Youth Participatory Action Research Study to Address Rural Black Students’ College-going Culture Experiences”

JOSEPH M. KATZ GRADUATE SCHOOL OF BUSINESS

Gene Anderson, BSBA, MBA, PhD, Henry E. Haller Jr. Dean

MASTER OF BUSINESS ADMINISTRATION

December 2023

Nicholas Alexiades
Rebecca Anthony
Leah Ruth Baldwin
Stacey Banks
Tiffany R. Bicek
Lou Cionni
Shanea Leigh Clancy
Kavitha Conti
Armani Armente Davis
Rachael Rose Dodaro
Tessa Elizabeth Drinkwater
Christopher Michael Dustin
Mohammad Hamed Eslami
Timothy Edward Flecker
Ethan Gable
Francis Gandhi Das
Elle Goldblatt
Lauren Harrison
Nicole Lynn Heinichen
Yen Michael Sheng Hsu
Joseph Curtis Kapela
Gaurav Kapoor
Erin Christina Kust
Matthew George Lacko
Matthew James Larkin
Sangheon Lee

Mara Elizabeth LeJeune
Cecilia Jessica Linamen
Joseph Edward Losee
Kristen Matichko
Lawrence Louis Mauro
Farbod Mirzaei
Nina Morse
Rhaven Nelson
Sarah A. Palya
Katlyn Ann Pavlick
Jennifer Wahlen Pegher
Ramesh Chandran Ramanathan
Darren Regotti
Julianna Elizabeth Rohac
Aman Sardana
Asa Simmons
Craig Joseph Slepsky
Sean Spencer - Palm
Ryan William Stout
Michael Wayne Stumpf
Jordan Alexander Wilson

Travis W. Cully
Meike Cunnion
Natalie Dean
Brian Michael Burke Donahoe
Nicholas Vincent Fiano
Carloz Gil
Michael Anthony Grande
Jaynelle Henderson
Nichole Catherine Hillard
Mikyle Celesdriana Johnson
Nicholas Sean Miller
Gabiella Garine Mouradian
Thomas John Pascucci
Nicholas Patti
Michael Charles Ramer
Julia Schaller
Haley Cameron Seifert
Caroline Kelley Willig
Ryan Blake Winkowski

August 2023

Devra Beyer Becker
Latasha Monique Cain
Desirae Lynn Crocker

June 2023

Russell Thomas Greer
Andrew Paul Hornyak

MASTER OF BUSINESS ADMINISTRATION WITH BUSINESS ANALYTICS

December 2023

Claire Liu

MASTER OF SCIENCE IN ACCOUNTING

December 2023

Chi Feng Hou
Dan Liu
Mendy Rosen
Taylor Phillips Santoyo
Hannah Van Middeltem

MASTER OF SCIENCE IN ACCOUNTING
AND BUSINESS ANALYTICS

December 2023

Jingjie Huang
Huan-Huang Li

Baichen Liu
Yi-Chun Liu
Annabel Grace Summo
Gia Wang

MASTER OF SCIENCE IN FINANCE

December 2023

James Cheng
Yuting Wang
Wei-Ru Yang

June 2023

Michael Arthur Floreak

MASTER OF SCIENCE IN FINANCE
AND BUSINESS ANALYTICS

December 2023

Samuel Francis Barbano
Jingxuan Hu
Xinzhi Huang

Ximeng Li
Chia I. Liao
Ce Liu
Muxi Qian
David B. Sonin

Margaret Pauline Trautz
Weihuan Xie
Yongzhou Yan
Mingyuan Yuan
Haotian Zhang

MASTER OF SCIENCE IN MANAGEMENT

December 2023

Erin Grace Bitting
Nolan Ulizio
Amanda Linn West

August 2023

Imani Clark

June 2023

Camryn Ennis

MASTER OF SCIENCE IN MANAGEMENT AND BUSINESS ANALYTICS

December 2023

Lohana Lajvanti
Kahaan Hetalkumar Patel

MASTER OF SCIENCE IN MANAGEMENT INFORMATION SYSTEMS

December 2023

Mona Bhagat
Hao-Yi Chen
Chia-Ying Chueh
Anjana Devarakonda
Yu Ling Hsu
Sakib Jamee

Chen Jin
Tejasvi Sanjay Kamble
Bhavatharani Manohar
Farbod Mirzaei
Michael Yang
Peng Yuan
Rui Zhang

August 2023

Matthew Hearn

MASTER OF SCIENCE IN MARKETING SCIENCE

December 2023

Mark Francis Harris

August 2023

Kyle Hess

MASTER OF SCIENCE IN MARKETING SCIENCE
AND BUSINESS ANALYTICS

December 2023

Yi-Wen Chen
Nausheen Fatima
Qinyan Tang
Ruyu Yan

MASTER OF SCIENCE IN SUPPLY CHAIN MANAGEMENT

December 2023

Vinayteja Mede
Rashi Rathore
Aman Sardana

June 2023

Shayne Allan Simon

MASTER OF SCIENCE IN SUPPLY CHAIN MANAGEMENT
AND BUSINESS ANALYTICS

December 2023

Ammar Salih Alghamdi
Weichen Chen
Yi-Ting Chen

DOCTOR OF PHILOSOPHY

August 2023

Cary Leonard Anderson
Dissertation: "New Insights
on Minimalist versus
Maximalist Visual Design and
Consumer Behavior"

Jung Yoon Jang
Dissertation: "Ecosystem
Bottlenecks and Value
Dynamics in the Lifecycle of
the Online Video Ecosystem"

Di Yuan
Dissertation: "Artificial
Intelligence, Fairness and
Productivity"

June 2023

Xinyu Fu
Dissertation: "Integrating
Imperfect Machines and
Unmindful Users: Assessing
Human-Bot Hybrid Designs
for Managing Discussions in
Online Communities"

Nathan William Mecham
Dissertation: "Social
Comparison and Impression
Management: The Joint Effect
of RPI and Supervisor Presence
on Employee Performance"

Lucy Wang
Dissertation: "The Human
Capital Reallocation of M&A:
Inventor-level Evidence"

COLLEGE OF GENERAL STUDIES

Adam Leibovich, BA, PhD, Bettye J. and Ralph E. Bailey
Dean of Arts and Sciences

BACHELOR OF ARTS

December 2023

Natalie Anne Belin
Daniel Carter
Zachary A. Charlton
Zane T. Driggers
Charles B. Gatewood
Skylar L. Gelnett
Tizita Girma
Bess Goldstein
Ashton K. Gordon
Matthew R. Greenberger
Hannah E. Hayes
Aydin Henningham
Dayquon G. Henderson
Mark V. Hissom
Ryan T. Jacoby

Deandre P. Jules
Mwanaisha Sada Kabogota
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Katelyn Kruszewski
Alyssa M. Lamonna
Autumn R. Lanza
Julia Livingston
Emily Marie Mears
Thu Thanh Nguyen
Ola R. Nwadiuko
Shadan Rizvi
Katherine R. Roche
Elena C. Salm
Kriti Sanghi
Branden N. Shaver
Bryanna M. Snyder
Kimberly Trainor

Anna W. Yatsko
Esther Yu

August 2023

Jaden O. Adams
Nicole E. Albolino
Devin Ryan Berry
A'Yanna Monee Hatton
Brandon Hurst
Keenan F. Parrinello
Alex Pickett
Jay T. Schemrich
Ziyi Tang

BACHELOR OF SCIENCE

December 2023

Naomi Acosta
Kate A. Biddle
Kayla A. Chmielewski
Carley Alicia Laurie Clark
William M. Cornish
Wayne David Crockett
Kayleigh E. Dodd
Megan E. Frey
Kailey F. Go
Kelsey G. Go
Kelly D. Grimm
Aneesh Kamath
Jeri L. Kiggins
Montaux Neiysa Lathan
Joshua Lowe
Jessica M. Mallah

Olivia Markulin
Emma K. Patenaude
Erin N. Petroff
Priya K. Ray
Heather Marie Schillinger
Alyssa J. Scott
Saharsh Talwar
Maria E. Walcutt
Ninawone Zarwie
Liann Zyontz

August 2023

Jacob Daniel Bernens
Michelle Evans
Hailey J. Fener
Jamisha Jacobs
Mark Basel Khandji
Mackenzie Kross
Monte Labash
John E. Long III
Hansika R. Mandadi
Malaz Mohammedain
Paulette Rollant
Vanshika Singh
Brooke Marlene Smith
Uchechi U. Uzoukwu
Wachie Winpea

SCHOOL OF SOCIAL WORK

Elizabeth M.Z. Farmer, BA, MA, PhD, Dean

BACHELOR OF ARTS IN SOCIAL WORK

December 2023

Madison Morrissey

August 2023

Maymouna Konte
Madeline M. Nicholas
Cheech Novelli

June 2023

Allen D. Frieson

MASTER OF SOCIAL WORK

December 2023

Lauren Catherine Beatty
Tessa Taylor Boyles
Pat Brosseau
Andrew Michael Cauley
Scott O. Clark
Rachel Marie Clites
Graciela Cross
Rachel Elizabeth Cunningham
Chaliah Patrice Davis
Natasha Lynn Dipalo
Deborah Leigh Easley
Audrey Fisher
Jennifer Lynn Geiser
Andrew Michael Gruse
Lindsey Higgins
Daniel Kun
Jeanetta Lee
Colette Nicole Lewis
Dena Marie Ley
Elizabeth Ann Mansley
Alana Monette McFadden
Jessica Ann Mizera
Heather Lynn Morey
Paula Jean Morgan
Madison Morrissey
Vedran Okilj
Rebecca Elizabeth Ortiz
Diana Marie Pacilio
Jonathan Peitzman
Kala Nicole Penrose
Madison Ann Ramsdorfer-Cover

Jakob J. Ring
Renee Elizabeth Rousseau
Deva Genice Santiago
Erica Kathryn Schweitzer
Chelsea LeAnne Smith
Grace W. Squitiero
Addie Marie Stone
Grace McKean Vincent
Noah Christopher Walker
TiAna Marie Williams
Teresa Marie Wolford
Jeffrey Robert Zikmund

August 2023

Zoe Kathryn Baumcratz
Morgan Le Benek
Rachel Bridge
Vania Bobbie Brister
Carly Deanne Chambers
Taylor Clifford
Lauren Sophia Marie Coursey
Teresa DePace
Sydney Desiderio
Katherine Elizabeth Fetterman
Angela Franklin
Ashlynd Gogas
Katelyn E. Greaves
Connor J. Griffin
Sarah Hahner
Kourtney Elayne Harris
Skyra Heckman

Julia Ann Hilbert
Mikyle Celesdriana Johnson
Kelly King
Emily Rose Kwiatkowski
Breia Nichole Matthews
Elise Maw
Tenicia L. McLean
Maria Mellon
Talor Cyr Musil
Khai Nelson
Rebecca S. Pantall
Christian Porter
Ciera Marquette Powe
Aliyah Florence Rabbat
Christina Michelle Roessler
Claire B. Singer
Joan Lucille Soulliere
Shea Standish
Kylie Tautkus-Malobisky
Shataya Leanne Taylor
Natalie Wiest
Meghan Margaret Yonich

June 2023

Mallory A. Conti
Nicholas Xavier Haft
Zuly Inirio
Shunshun Lyu
April McClure
Brett Joseph Risch

DOCTOR OF PHILOSOPHY

August 2023

Adrian J. Ballard
Dissertation: "Development, Validation, and Exploratory Utilization of the Sexuality-Affirming/Negating Sexual Socialization Messaging Measure"

Ke Li

Dissertation: "Social Isolation and Psychological Well-being of U.S. Older Adults: Exploring the Moderating and Mediating Effects of Psychosocial Factors"

Cortney Rashad VanHook

Dissertation: "A Person-centered Approach to Increase the Uptake of Mental Health Services among Young Black Men"

GRADUATE SCHOOL OF PUBLIC AND INTERNATIONAL AFFAIRS

Carissa Schively Slotterback, BA, MCRP, PhD, Dean

MASTER OF PUBLIC ADMINISTRATION

December 2023

Martin R. Eddy Harvey
Andrew Fiddner
Joanna C. Harlacher
Alexander Boyd Keys
Nicholas S. Longstreet
Nyoman Asri Hapsari Pande
Mudara
Rachel Pecharka

August 2023

Craig P. LiPuma
Mengyao Liu
Shannah Rose Mallett
Katerina M. Procyk

MASTER OF PUBLIC AND INTERNATIONAL AFFAIRS

December 2023

Valentina Ijeoma Akpa
Ellis G. Cannon
David I. Franklin
Chakrit H. Horn
Douglas W. Peer
Nicholas A. Rosensweet
Francisco Andres
Torrealba Amaral

August 2023

Megan A. Klinefelter
Devon E. Lawton
Solomon Livshits
Laura Short
Evelyn Zamora-Vargas

MASTER OF INTERNATIONAL DEVELOPMENT

December 2023

Joseph Antonio Acevedo
Alana Monette McFadden

August 2023

Carla Gomez-Briones
Jeysy Gonzalez
Michael Anthony Grande
Michael D. McDaniels

MASTER OF PUBLIC POLICY AND MANAGEMENT

December 2023

Robert Morrison Jolly III
Katherine B. Lenhart
Heather Lucas
Ralph D. Marsico Jr.
Kathryn Pfefferle
Michael C. Winters
Sunmi Yeom

August 2023

Adam O. Clevenger
Caiden Fratangelo
Krista A. Lardieri
Gretchen Linsenbigler
Vanessa C. McCarthy-Johnson
Ryan Matthew Reczek
William A. Sapon
Lori A. Walsh

DOCTOR OF PUBLIC AND INTERNATIONAL AFFAIRS

December 2023

Kelly C. Voss

Dissertation: "A Better Way to 'Bridge the Gap': Using Delphi and Q-Methodology to Predict the Future of Nonproliferation and Multilateral Security Cooperation in Northeast Asia"

August 2023

Rena Sung

Dissertation: "The Politics of High-skilled Immigration"

SCHOOL OF COMPUTING AND INFORMATION

Bruce R. Childers, BS, PhD, Dean

BACHELOR OF SCIENCE IN COMPUTATIONAL BIOLOGY

December 2023

Thomas Ku
Joel M. Predix

August 2023

Lingfeng Fan

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

December 2023

Peyman Abbasian
Arik Ankers
Uday Atragada
Gabriel I. Badillo
Shelton Bai
Garrett A. Barber
Anna F. Baskin
Matthew Robert Beller
Preetam Sreedath Bhamidipati
Camden James Callahan
Luke J. Charlesworth
Jerry Z. Chen
Gray R. Cleric
Michael A. Cox
Makye M. Daniels
Friedrich Doku
James Daniel Duty
Cole Eichner
Ryan N. Esquino
Dylan J. Feehan
Rodrick T. Gamwo
Brian B. Grammer
Gregory J. Guazzone
Thomas M. Halsey
Alexander J. Haskovec
Michael L. Henry
Nara N. Hernandez
Derrick D. Hicks
Zachary F. Hoffman
Justin R. Holt
Yujing Huang
Steven J. Jarmell
Shresta Kalla
Ayden A. Kauffman

Michael R. Kharkovski
Shane E. Killen
Shinwoo Kim
Zane E. Kissel
Kathryn E. Kolor
Charan Deep Kota
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BACHELOR OF SCIENCE IN DATA SCIENCE

December 2023

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Evan Aaron Kozierok
Peter S. Magasiny

August 2023

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BACHELOR OF SCIENCE IN DIGITAL NARRATIVE AND INTERACTIVE DESIGN

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GRADUATE CERTIFICATE IN APPLIED DATA-DRIVEN METHODS

December 2023

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GRADUATE CERTIFICATE IN BIG DATA ANALYTICS

December 2023

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MASTER OF LIBRARY AND INFORMATION SCIENCE

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MASTER OF SCIENCE IN INFORMATION SCIENCE AND TECHNOLOGY

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Taiwo Kabiru Omileye
Yingjie Ren
Raj Hemant Shah
Palash Sharma
Yifei Tai
Neha Vemulapalli
Qisheng Ye

DOCTOR OF PHILOSOPHY

December 2023

Kim Hung Chau
Dissertation: "Explainable
Course Recommendation:
Connecting College Education
to Future Careers through
Skills"

Nathan Rico Ong
Dissertation: "Tools for
Academic Advisors Based on
Existing University Student
Data"

Ke Yu
Dissertation: "Towards
Data-efficient Learning for
Medicine"

August 2023

Ishrat Ahmed
Dissertation: "Modeling and
Supporting Middle School
Mathematics Collaboration
Using Student Motivation
across Different Digital
Learning Platforms"

Faris Obaid Alotibi
Dissertation: "Physics and
AI-driven Anomaly Detection
in Cyber Physical Systems"

Nuray Baltaci Akhuseyinoglu
Dissertation: "Trust Evolution
in IoT Networks with Multiple
Attributes"

Meiqi Guo

Dissertation: "Modeling
Visual Rhetorics for Persuasive
Media through Self-supervised
Learning"

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BACHELOR OF SCIENCE IN PHARMACEUTICAL SCIENCES

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Sydney Kasper

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SCHOOL OF MEDICINE

Anantha Shekhar, MD, PhD, John and Gertrude Petersen Dean

MASTER OF SCIENCE IN BIOINFORMATICS

December 2023

Harikesh Subramanian

MASTER OF SCIENCE IN CLINICAL RESEARCH

December 2023

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August 2023

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MASTER OF SCIENCE IN MEDICAL EDUCATION

August 2023

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Nenad Zelenkov
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DOCTOR OF PHILOSOPHY IN CELLULAR AND MOLECULAR PATHOLOGY

December 2023

Ryan LeGraw
Dissertation: “An Engineered Fetal Liver Organoid for Ex Vivo Expansion of Hematopoietic Stem Cells”

August 2023

Philip Mannes
Dissertation: “Molecular Imaging of Chemokine-like Receptor 1 (CMKLR1) for Non-invasive Monitoring of Monocyte-derived Macrophages in Experimental Lung Injury and Remodeling”

Rick van der Geest

Dissertation: “Investigating Innate Immune Responses against Pulmonary Klebsiella Pneumoniae Infection: A Role for BATF2”

DOCTOR OF PHILOSOPHY IN CLINICAL AND TRANSLATIONAL SCIENCE

December 2023

Benjamin Hayes
Dissertation: “The Longitudinal Impact of Maladaptive Stress Response in Offspring with Parental Cancer”

August 2023

Kathleen Marie Poploski
Dissertation: “Predicting Risk of Unplanned Knee Surgery following Anterior Cruciate Ligament Reconstruction”

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Dissertation: “School Engagement and Attendance as Pathways to Adolescent Health”

DOCTOR OF PHILOSOPHY IN COMPUTATIONAL BIOLOGY

December 2023

Paul Francoeur
Dissertation: “Advancing Machine Learning for Small Molecule Property Prediction”

Hannah C. Schriever

Dissertation: “Machine Learning Approaches to Analyzing scRNAseq Data with Applications to the Heart and Eye”

August 2023

Omer Acar

Dissertation: “Understanding Cellular Innovation and Complexity with a Network Perspective”

Jonathan King

Dissertation: “Deep Learning Methods and Datasets for Modeling All-atom Protein Structures”

Daniel Yuan

Dissertation: “Casual Graph Methods for Heterogeneous Data and Application to MUC1 Cancer Vaccine Response”

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Dissertation: “Computational Methods for Discovering Genetic Functions of Conserved Non-coding Elements with Comparative Genomics”

DOCTOR OF PHILOSOPHY IN INTEGRATIVE SYSTEMS BIOLOGY

December 2023

Carlos Guerrero
Dissertation: "Expanding the Mycobacterial Genetics Toolbox: An Exploration into Phageo-Host Dynamics in Mycobacterium Tuberculosis, Elucidation of Phage Resistance Mechanisms Using Engineered Phages and the Characterization of tRNA-dependent Lysogeny"

Saurin Parikh

Dissertation: "Leveraging the Genotype-Phenotype Relationship to Understand the Traditional and Novel Facets of Cell Biology"

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Dissertation: "Integrated BATF Transcriptional Network Regulates Suppressive Intratumoral Regulatory T Cells"

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Dissertation: "SIN3A Associated Proteins (SAPs) and Zebrafish Cardiogenesis"

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Dissertation: "Multi-omic Profiling of E-Cadherin Deficient Breast Cancers and Their In-Vitro Models towards Enabling Precision Medicine"

DOCTOR OF PHILOSOPHY IN MICROBIOLOGY AND IMMUNOLOGY

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Dissertation: "Utilizing Oncolytic Vaccinia Virus to Modulate the Tumor Microenvironment"

Brydie Ryan Huckestein
Dissertation: "Understanding the Underlying Mechanisms of Persistent Inflammation following Severe Influenza Infection"

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Dissertation: "Cytokines and Cytotoxicity: Dissecting Susceptibility to Lethal Hyperinflammation"

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Dissertation: "The Role of Extracellular Vesicles during Respiratory Coinfection"

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Dissertation: "Tim-3+ Treg Control Viral Persistence and Effector T Cell Responses"

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Dissertation: "Identification of Host Factors Regulating Hepatitis B Virus Covalently Closed Circular DNA Transcription"

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Dissertation: "Signals from the Tumor Microenvironment Drive Distinct Epigenetic Features in Terminally Exhausted CD8+ T Cells"

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Dissertation: "Examination of Factors Influencing Environmental Stability of the 2009 H1N1 Pandemic Influenza Virus and Its Pathogenesis in the Ferret Model"

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Dissertation: "IL-17 Mediated Transcription Factors in Disease"

DOCTOR OF PHILOSOPHY IN MOLECULAR BIOPHYSICS AND STRUCTURAL BIOLOGY

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Dissertation: "Structural Insights into Mimicry of TGF- β Signaling by the Murine Parasite *H. Polygyrus*"

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Dissertation: "Oxidative Guanine Base Damage Plays a Dual Role in Regulating Productive ALT-associated Homology Directed Repair"

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Dissertation: "Characterizing Merkel Cell Polyomavirus Life Cycle Regulators and Viral Encoded Circular RNAs"

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Dissertation: "The Role of Protein Kinase D2 in Ischemic Stroke"

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Dissertation: "Significant Complications and Predictors Associated with Persistent Hypothermia after Neonatal Cardiopulmonary Bypass Surgery"
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Dissertation: "Identifying Distinct Trajectories of Acute Post-surgical Pain and Their Associations with Persistent Post-surgical Pain, Opioid Use, and 30-day Readmission after Abdominal Hysterectomy for Gynecologic Cancer"

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Jessica Ann Davis
Dissertation: "Neonatal Diet Type and Associations with Adverse Feeding Outcomes and Gut Microbiome Composition in Neonates with Critical Congenital Heart Defects"
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Dissertation: "Multi-omics of Breast Cancer-related Fatigue and Its Mitigation by Exercise"

Staci Lynn Orbell
Dissertation: "Factors Associated with Obstructive Sleep Apnea Evaluation in At-risk Patients Generally and in the Perianesthesia Setting Specifically"

Yan Wang
Dissertation: "Measuring Cognitive, Socio-affective, and Behavioral Engagement and Evaluating Their Influence on the Intervention Outcomes in a Provider-guided Digital Health Intervention"

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Dissertation: “Transcriptional Dysregulation Associated with Pathologic Development and Maintenance of Myofibroblasts in Systemic Sclerosis”

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Dissertation: “Health Screening Events as a Community-Clinical Linkages Strategy for Addressing Chronic Illnesses in Black Communities”

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Dissertation: “Exploring the Influence of Progranulin on Vascular Contractility and Mitochondrial Homeostasis”

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Dissertation: “Miniaturized CRISPR Activation for a Single AAV Delivery Method to Treat LAMA2-related Muscular Dystrophies”

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Dissertation: “Examining the Association of Race and Neighborhood Green Space on Cognitive Outcomes: Brain Structure and Impairment-free Life Span”

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Dissertation: “The Impact of the COVID-19 Pandemic on Acute Coronary Syndrome Hospitalizations and Identifying Implications for Future Public Health Response Measures to Pandemics”

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Dissertation: “Development of Immunogenic, Distributable, and Equitable SARS-CoV-2 Vaccines”

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Dissertation: “Toward Reducing Disparities: Identifying Drivers of Clinical Alzheimer’s Disease in African American Populations”

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Dissertation: "Alcohol-attributable Mortality Before and During the Early Phases of the COVID-19 Pandemic"

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ACADEMIC HERALDRY: THE SYMBOLS OF LEARNING

The college or university commencement procession today, in this country and abroad, is a pageant, alive and bright with the dress and ceremony inherited from the medieval universities of the 11th and 12th centuries.

Academic life as we know it today began in the Middle Ages—with Bologna and Paris; Oxford and Cambridge; Edinburgh, Glasgow, and Louvain—first in the church, then in the guilds. The teaching guild was the Guild of the Master of Arts, where the bachelor was the apprentice of the master and the dress was the outward sign of privilege and responsibility. The dress made visible, in color and pattern, the unity of men of like purpose. Twelfth-century records of the University of Oxford carry this justification for academic dress: “It is honourable and in accordance with reason that clerks to whom God has given an advantage of the lay folk in their adornments within, should likewise differ from the lay folk outwardly in dress.”

Their design and heraldry were the outward indications of the bringing together of students and privileged persons under the same disciplines.

In later centuries, to preserve their dignity and meaning, it became necessary for universities to set rules for academic dress. American universities agreed on a definite system in 1895 and set up a suitable code of academic dress for the colleges and universities of the United States. In 1932, the American Council on Education presented a revised code, which for the most part governs the style of academic dress today.

The principal features of academic dress are three: the gown, the cap, and the hood.

The Gown. The flowing gown comes from the 12th century. Many think it was worn in olden times as protection against the cold of unheated buildings. It has become symbolic of the democracy of scholarship, for it completely covers any dress of rank or social standing underneath. It is black for all degrees, with pointed sleeves for the bachelor’s degree; long closed sleeves for the master’s degree, with a slit for the arm; and round open sleeves for the doctoral degree. The gown worn for the bachelor’s or master’s degree has no trimmings. The gown for the doctoral degree is faced down the front with velvet and has three bars of velvet across the sleeves, in the color distinctive of the faculty or discipline to which the degree pertains. The official colors of the college may now appear in the gown or its decorations. (The trustees and administrative officers of the University of Pittsburgh wear gowns trimmed in blue velvet edged in gold faille.)

The Cap. The freed slave in ancient Rome won the privilege of wearing a cap, and so the academic cap is a sign of the freedom of scholarship and the responsibility and dignity with which scholarship endows the wearer. Old poetry records the cap of scholarship as square to symbolize the book, although some authorities claim that the mortarboard is the symbol of the masons, a privileged guild. The color of the tassel on the cap denotes the discipline.

The Hood. Heraldically, the hood is an inverted shield with one or more chevrons of a secondary color on the ground of the primary color of the college. The color of the facing of the hood denotes the discipline represented by the degree; the color of the lining of the hood designates the university or college from which the degree was granted.

The Mace. A ceremonial staff is carried by the chief University marshal, who is the president of the University Senate. The chief University marshal opens and closes all academic convocations, such as Honors Convocation and Commencement Convocation. A Pittsburgh artist designed the mace for the University of Pittsburgh. The design was created from an existing bronze seal representing the Office of the Chancellor. The seal is surrounded by concentric rims that are supported by four contemporary shapes. The hand-turned shaft is made of native Pennsylvania walnut.



