

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 COMMENCEMENT CEREMONY

APRIL 30, 2023

Presiding, Patrick Gallagher, PhD
Chancellor of the University and Chief Executive Officer

*Doctor of Humane Letters, Honoris Causa,
Upon*

Kathryn Nesbitt, PhD
FIFA Assistant Referee

PROGRAM

PRELUDE	Marc L. Harding, MEd <i>Vice Provost for Enrollment</i>	ADDRESS	Kathryn Nesbitt
	Kenyon R. Bonner, EdD <i>Vice Provost for Student Affairs</i>	STUDENT ADDRESS	Aya Dakroub <i>Candidate for Bachelor of Science, Kenneth P. Dietrich School of Arts and Sciences, Class of 2023</i>
OPENING OF CEREMONY	Robin Kear, MLIS <i>Chief University Marshal President of the University Senate</i>	ANNOUNCEMENT OF UNDERGRADUATE CANDIDATES	
PROCESSIONAL	University of Pittsburgh Symphonic Band William Sugg, DMA <i>Assistant Director of Bands</i> Bradley G. Townsend, DED <i>Director of Bands</i>	ALUMNI WELCOME	Richard Sedory, JD <i>President, Pitt Alumni Association</i>
THE NATIONAL ANTHEM	Members of the Heinz Chapel Choir Class of 2023	ALMA MATER	Led by members of the Heinz Chapel Choir Class of 2023
WELCOME	Patrick Gallagher	CONFERRING OF DEGREES	Patrick Gallagher
CONFERRING OF HONORARY DEGREES	Patrick Gallagher Ann E. Cudd, PhD <i>Provost and Senior Vice Chancellor</i> Anantha Shekhar, MD, PhD <i>Senior Vice Chancellor for the Health Sciences and John and Gertrude Petersen Dean, School of Medicine</i> Douglas M. Browning, JD <i>Chair, Board of Trustees</i>	RECESSIONAL	The University of Pittsburgh Symphonic Band

(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 June, August, and December 2022 and April and June 2023. Because candidates for April and June 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
Rennie 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. Kempler
Jack Ketchum
Anna M. Kirwin

Grady D. Kraham
Alexander D. Leff
Chuoqiao 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 Reeve
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

BACHELOR OF PHILOSOPHY

December 2023

Peter J. Busscher
 Nina Berenice Mennies

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
 Theodorick 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

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

BACHELOR OF SCIENCE

George Fritze
 Nia Haf Gallagher
 Emily Garratt
 Alexa A. Gauss
 Ambar Gautam
 Meklit B. Gebremariam
 Alyssa Christine Gierlack
 Sarah A. Givone
 Madyson 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

December 2023

Maria Alexandra Arana Blas
Mardoche Sehogan Ayitchehou
Clio Katherine Begnal
Victor Chiu
Seth Goldwasser

Bhuvitha Chagantipati
Shelby Lynn Chasser
Ryan Coldren
Chloe Elizabeth Cosgrove
Haley Crable
Julia Cressman
Mason Daniels
Colby DeHaut
McKenzie Dille
Alexis Distefano
Joi Dixson
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

MASTER OF ARTS

Arifah Roosiany Hasanbasri
Yutian Jia
Shannon O'Neill Kelsh
Erlan Konebayev
Yuqiao Shao
Arpita Soni
Can Wang

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

August 2023

Ashwaq Mohammed Alqurashi
Allison Checkeye
Laura Ann Davis
Marina DiMarco
Victoria Holly Glavin

Rahul Kumar
Syeda Momina Masood
Gabriella Nutter

August 2023

Isaac Jacob Knapp
Thomas Carlyle Martin

December 2023

Matthew Paul Barren
Mariah Denhart
William Eckerle
Amy M. Glanzer
Rachael Harrison
Daniesha S. Hunter-Rue
Riley Jane Jouppi
Lucia Kapitanova
Jessica Allison Macaluso
Mitchell John Rudy McCloskey

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"

Isin Sezer
Tom Wysocki
Xin Hui Yong

MASTER OF FINE ARTS

Kiera Rose O'Brien
Susan Scott Peterson

MASTER OF SCIENCE

Avital Pelakh
Sonia Rowley
Rodrigo Silva Ferreira
Sumaiya Tasnim
Qiaochu Wan
Yuyu Zhang

DOCTOR OF PHILOSOPHY

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"

Zane Joseph Zaloga

August 2023

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

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 $B^0 \rightarrow \pi^0 \pi^0$ Final State $\overline{\Lambda}_c^0 \rightarrow \pi^0 \pi^0 \overline{\Lambda}_c^0$ 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”

Delvin 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

Liyang Zhou
Dissertation: “[Title to come]”

Jin Zhu
Dissertation: “Enantio- and Regioselective Propargylic and Allylic Functionalization”

August 2023

Rakan A. Alseghayer
Dissertation: “Optimizing Operators for Temporal and Spatiotemporal Data”

Sierra Hall Arnold
Dissertation: “Essays on Economic Inequality”

Matthias Avina
Dissertation: “What’s in a Brand? Party Rebranding in Europe”

Jordan Henry Bazak
Dissertation: “Three Essays on the Economics of Higher Education in the United States”

Juan Evangelista Berrios Romero
Dissertation: “The L2 Acquisition of Progressive and Habitual Aspect through the Lens of Analyticity”

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”

Le’Mil Luster Eiland
Dissertation: “The Black Archives: Fugitive Histories on the Run”

Hasitha Anuradha Ekanayake
Dissertation: “Cusped Hyperbolic 3-manifolds with a Compact Totally Geodesic Boundary”

Marissa Ann Evans
Dissertation: “Dynamic Changes in Sleep Characteristics and Pre-sleep Arousal during Cognitive Behavioral Therapy for Insomnia as Predictors of Treatment Response”

Yao Fan
Dissertation: “Individuals and Institutions: Essays on Social and Political Epistemic Systems”

Zhenjiang Fan
Dissertation: “Elucidating Complex Biological Interactions Using Computational techniques”

Shaohua Fang
Dissertation: “Quantifier Scope in L2 Learners: Interpretation, Processing, and Acquisition”

Leonardo Fernandes
Dissertation: Emergence of Cooperation in Civil War”

Emi Finkelstein
Dissertation: “Beyond the Wall: Post-Socialist Museums in the Former German Democratic Republic”

Fan Gao
Dissertation: “Measurement of Muon Antineutrino Charged-current Neutral Pion Production Differential Cross-section in the NOVA Near Detector”

Atreyie Ghosh
Dissertation: “Ultrafast Microscopy of Plasmonic Spin Topology”

Andrea Marie Gunoe
Dissertation: “March of Militarism: Contemporary Nationalism through Military Spectacle”

Jared Stone Hand
Dissertation: “Exploring Type Ia Supernova Systematics: The Host Galaxy Bias and Intrinsic Variability”

Treviene Harris
Dissertation: “Literary ‘Versions’: Writing, Sound, and Historiographic Method in Contemporary Caribbean Fiction”

Shelby L. Heath
Dissertation: “Synthetic Approaches towards the Development of Protein Mimetics and the Study of Post-translational Cyclic Imide Formation”

Alex Honeker
Dissertation: “Unpacking the Anti-globalization Backlash: Individual Attitudes and Party Strategies”

Jialin Hou
Dissertation: “Essays on Consumer Finance and Political Economy”

Dmytro Ilin
Dissertation: “Essays in Persuasion and Propaganda”

Pranut Jain
Dissertation: “Designing for Awareness: Towards the Design of an Intelligible Proactive Agent to Support Message-based Communication”

Malcolm John Jardine Dissertation: “Majorana Zero Modes: Investigating Implementations of Nanowire/Superconductor Setups”	Ly Malespina Dissertation: “Investigating Gender Differences in Test Anxiety, Self-efficacy, Mindset, Grade Penalty and Grades in Physics Courses: A Quest for Equity”	Dasha Pruss Dissertation: “Carceral Machines: Algorithmic Risk Assessment and the Reshaping of Crime and Punishment”	Michael Romanovich Shteyn Dissertation: “Reward-based Surprise Signals in Frontal Eye Field”	Dylan T. Tomares Dissertation: “A Tale of Two Condensates: From Studying the Mechanisms of Natural Bacterial Condensate Assembly to Developing a Novel Synthetic Condensate”	Jennifer Lesley Whyte Dissertation: “A New Function for Thought Experiments in Science”
Jonah Jeng Dissertation: “The Long Take: A Spectacular Film Realism for the Anthropocene”	Samuel Zimet Mark Dissertation: “Laminated Holocene Lacustrine Sediment Records of ENSO and PDO-scale Climate Variability from the Pacific Basin”	Yijia Qiu Dissertation: “Productive Differentiation and Pottery Consumption among House Groups in Three Districts of Lower Dover during Late Classic Period: A Geochemical Perspective”	Elise Christine Silva Dissertation: “Authority, Information Justice, and Source-based Writing: Cultivating a Critically Curious Research Disposition”	Shiv Upadhyay Dissertation: “Theoretical Treatment of Weakly Bound Fermions to Atoms, Molecules, and Clusters”	Tom Wysocki Dissertation: “Underdeterministic Causation”
Yifan Jiang Dissertation: “Towards Majorana Bound States Induced by Ferromagnets in Nanowires”	Emily Marie Mazzola Dissertation: “Identities on Display in the Smithsonian’s First Ladies Hall”	Natalia Rivera Morales Dissertation: “Nativist Psychosis: Impressions of Psychiatric and Intellectual Disability in Puerto Rican Literature, Medical Culture, and Jurisprudence”	Qian Song Dissertation: “Radiative Corrections for ZH Production at Electron-Positron Collider”	Alnica Visser Dissertation: “In Defense of Concept Variability”	Shuxian Xu Dissertation: “Accurate Prediction of Fluids in Motion: Attacking Chaos, Understanding Turbulence and Resolving Complexity”
Sushmita Rose John Dissertation: “Dynamical Systems Analysis of Patterning and Robustness of Bursts in Neuronal Models”	Jenna Leigh Miller Dissertation: “Oxidative C-H Bond Functionalization in the Synthesis of Nitrogen- and Oxygen-containing Heterocycles”	Nelesi Gabriela Rodriguez Dissertation: “Contact Composition: Learning with/ in Movement(s), Transnational Feminisms, and Writing”	Christopher Joseph Staley Dissertation: “What’s the Point?: Multipodal Orbits in the Suzuki Method of Actor Training”	Lifeng Wang Dissertation: “A Study on Function Spaces”	Shuo Yang Dissertation: “Sounding Minority Beliefs: The Dialogic Soundscapes of the Guerx Sal Lad Festival of the Bai in Yunnan, Southwest China”
Don Joseph Dissertation: “Queering Migration: Fragmented (Post) colonial Subjectivities in 21st-century Middle Eastern and North African Literature”	Silpa Mukherjee Dissertation: “Cinema as Contraband: Bombay’s Cine-crime Nexus, 1977-1991”	Tyler Joseph Rohan Dissertation: “Enhancing Landslide Susceptibility Analysis through Citizen Science, Geospatial Analysis, and Precipitation Thresholds in Urbanizing Environments”	Amanda Suarez Calderon Dissertation: “Emergence of Social Complexity in The Precolumbian Site Java, Southern Costa Rica”	Yaotian Wang Dissertation: “High-dimensional Directed Network Analysis of Human Brains”	Bomin Zhang Dissertation: “Josephson Current in Hybrid Semiconductor-Superconductor One-dimensional Devices”
Sze Ching Leung Dissertation: “Higgs Boson Phenomenology at the LHC: The Standard Model and Beyond”	Chi Wing Ng Dissertation: “Angular Distributions in T-channel Single-top Decay”	Nozomi Saito Dissertation: “Aftermaths of Empires: Cold War Narratives of the Black Pacific”	Angela Krak Swain Dissertation: “Cross-dialectal Phonetic Variation and Lexical Encoding: Evidence from /s/ Perception in Seville Capital”	Daniel Frederick Webber Dissertation: “Let’s Get Real: Counterfactual Moral Theories in the Actual World”	Xiaozhong Zhang Dissertation: “Leveraging Interactive User Feedback for Personalized Data Visualization Recommendation”
Xiang Li Dissertation: “Social Differentiation among Commoners at Erlitou: A Household Archaeological Perspective”	Katie Nguyen Dissertation: “The Identification and Characterization of Disease-associated Missense Variants in the Renal Potassium Channel ROMK”	Sushma Tejasri Sappa Dissertation: “Regulation of DNA Demethylation: Investigating the Effect of Catalytic Space Engineering”	Nikhil Thomas Titus Dissertation: “Curated Desires: Intersections of Low-grade Cinema, Migration, and Gentrification in Mumbai”	Jimeng Wei Dissertation: “Role of Chirality in Electron Spin Filtering, Water Splitting, and Electron Transfer.”	
Yunyun Lv Dissertation: “Essays on Political Economy”	Jordan Parrish Dissertation: “A Phantom Experience: Traumatic Embodiment in Temporal Body Horror Cinema”	Stefanie Lee Sequeira Dissertation: “Testing a Neurobiological Susceptibility to Social Context Model Linking Neural Reward Processing and Social Stress to Social Anxiety in Adolescent Girls”	James Westbay Dissertation: “Development of Aptamer-actuated Two-dimensional Photonic Crystal Hydrogel Sensors”		
C.E. Mackenzie Dissertation: “Achy Affects: Feeling Our Way into Deeper Descriptions of Selfhood”	Alan Nathaniel Pearl Dissertation: “Illuminating and Tabulating the Galaxy-Halo Connection”	David Jonathan Setton Dissertation: “The When and How of Rapid Quenching at Intermediate Redshift”			
Anne Julia Maheux Dissertation: “Appearance-related Math Stereotypes and the Development of Gender Disparities in STEM”	Henrique Potter Dissertation: “Balancing Utility, Privacy, and Energy in Internet of Things Systems”				

JOHN A. SWANSON SCHOOL OF ENGINEERING

Sanjeev Shroff, BS, MS, PhD, Interim U.S. Steel Dean of Engineering

BACHELOR OF SCIENCE IN BIOENGINEERING

December 2023

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Grae M. Gossman

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Griffin J. Mikovitz
Connor P. Mondock

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Caroline G. Siedlecki
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Jenna R. Wilson

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Roberto Alonzo Tan IV

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

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Caleb Gibson
Rayan Hassan
Cameron W. Henning

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Dane A. Krall
Thomas A. Laraia
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Nathaniel M. Mallick
Hudson Panning
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Megan M. Toner

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Karen E. Turocy
Shreyas Vivekanandan

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Christian Mascio

Tamer Issam Issa Muddi
Killian J. Rush
Jake Smith
Lucas R. Villalba
Caileigh M. Wettasinghe

August 2023

Olutimilehin O. Aiyegbusi
Jacqueline A. Dillon
Cole Flory
Carter N. Leatherman
Joshua Samuel Lubin
Kyle S. Montrose
Ryan T. Sieber
Ryland A. Smith
Joseph J. Szlavik
Amanda M. Walker

BACHELOR OF SCIENCE IN ENGINEERING SCIENCE

December 2023

Mychal Amofo

BACHELOR OF SCIENCE IN ENVIRONMENTAL ENGINEERING

December 2023

Sonya Boukengolts
Olivia G. Hartz
Sophia Lex

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Dan Scott Nolan
Craig T. Robinson

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

December 2023

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Alex Amentler
Kathryn A. Burkert
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Ken Ching
Ben Cohen
Isabella E. DeBenedetto
Gloria Gwinevere Givler
Lauren J. Lenherr
Sierra LeRoy

Nicole Lipa
Maria Luciana
Ahsen A. Malik
Alyson Marcus
Matthew R. McCormick
Anna Pearl McDonald
Andrew R. Polar
Michael Joseph Reynolds
Elizabeth T. Sidelnikov
Evan R. Tipton
Stephen Vandrak
Kyleigh A. Zakroski

August 2023

Jason Wesley Chang
Yuhan Chen
Andrew J. McCaffrey
Elijah M. Smith
Isaac S. Weintraub
Junze Zheng

BACHELOR OF SCIENCE IN MATERIALS SCIENCE AND ENGINEERING

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Bevan E. Giles
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Jingwei Yi
Andrew Zilavy

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BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

December 2023

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Aidan T. Cooke
Gerald J. Del Giudice
Karla Sue K. Frank

Elisa Fritzsche
Austin M. Gmuier
Lauren R. Harrington
Ting-Yu Huang
Tyler J. Kenny
Caden R. Lawhorn-Watson

Trace Maule
Andrew McNeill
Chloe Minas
Jacob Natkin
Alexandru Justin Pelinescu
Dustin S. Riberi
Cara R. Rossetti
Justin A. Seth
Benjamin Shaw
Brian A. Soriano
Raymond A. Spangler
Andrew Stricklin
Ethan M. Tost

Ryan J. Tran
Katherine A. Zemanek

August 2023

Devyn Bard
Matthew P. Borkowski
Hao Du
Joshua Schopp Frantz
Justin M. Gooding
Brian G. Karabin
Michael Macdonough

Benjamin E. Moyer
Keshav Mukherjee
Elian D. Pineiro
Lucas Ramsey
Andrew Richards
Daniel Rosenthal
Dane Alexander Sabo
Ilana Schimmel
Lia Sideris
Feranmi Soyemi
Gabriel Stay
Juliet E. Varblow
Siqi Xu

CERTIFICATE—ENGINEERING DATA ANALYTICS

December 2023

August 2023

Alex Amentler
Gloria Gwinevere Givler
Nicole Lipa
Andrew R. Polar
Elizabeth T. Sidelnikov
Stephen Vandrak

Yuhan Chen

CERTIFICATE—ENGINEERING FOR HUMANITY

December 2023

Sophia Lex

CERTIFICATE—ENGINEERING SIMULATION IN DESIGN

December 2023

Thomas M. Andrews
Ryan S. Baggett
Elisa Fritzsche
Dustin S. Riberi

August 2023

Michael Macdonough
Lucas Ramsey

CERTIFICATE—HEALTH SYSTEMS ENGINEERING

December 2023

Ahsen A. Malik

CERTIFICATE—INNOVATION, PRODUCTION, AND DESIGN

December 2023

Isabella E. DeBenedetto
Elisa Fritzsche
Lauren R. Harrington
Chloe Minas
Dustin S. Riberi
Elizabeth T. Sidelnikov
John A. Sima
Brian A. Soriano

August 2023

Emily Claire Landis-
Walkenhorst
Nickolai I. Miller
Lucas Ramsey
Joseph J. Szlavik
Juliet E. Varblow

CERTIFICATE—NUCLEAR ENGINEERING

December 2023

Dillon Francis Donnelly
Bevan E. Giles

August 2023

Daniel A. Neifert
Ilana Schimmel

CERTIFICATE—SUPPLY CHAIN MANAGEMENT

December 2023

Alyson Marcus
Kyleigh A. Zakroski

August 2023

Jason Wesley Chang
Emily E. Grugan

CERTIFICATE—SUSTAINABILITY

December 2023

Sonya Boukengolts
Olivia G. Hartz
Dylan Lawson

Sophia Lex
Ekaterini Paraskevi Papazekos
Alexandru Justin Pelinescu

MASTER OF SCIENCE IN BIOENGINEERING

December 2023

Olivia Coyne
Sharanya Ganesh

Cheng-Han Hsieh
Michelle Riffitts
Anupama Sudheer
Jinsong Wu

August 2023

Jessica Elizabeth Kleinbart

MASTER OF SCIENCE IN BIOENGINEERING— MEDICAL PRODUCT ENGINEERING

December 2023

Julia Marielle Castrucci
Neharika Chodapaneedi
Luke Chuderewicz
Therlking Dervil
Micah Guffey
Aditi Guruprasad
Megan Johns

Kingsly Jonathan
Connor Kerstetter
Sean Klevens
Benjamin Ratchford
Mia Satory
Maura Siess
Emma Mirjana Skuban
Boyan Zhang

August 2023

Udaya Sree Goguladinne

MASTER OF SCIENCE IN CHEMICAL ENGINEERING

December 2023

Douglas Francioni
Felicity Orndoff

MASTER OF SCIENCE IN CIVIL ENGINEERING

December 2023

Paul D. Gillis
Nicole Lynn Heinichen

Gary Joseph Sciulli
Jing Shang
Siva Surulivel
Carden Zhao

MASTER OF SCIENCE IN ELECTRICAL
AND COMPUTER ENGINEERING

December 2023

Troy Belzecky
James Bickerstaff
Zachary Bowen
Adam Cottrill
Mohammad Ensaf
Jonathan Douglas Gramley
Mason Patrick Kline

Ian Peitzsch
Sadra Rahimi Kari
Michael Patrick Sullivan
Vijay Shankaran Vivekanand
Haoyang Zeng

August 2023

Xiyao Fu
Dillon M. Garrett
Manisha Mondal
Nathanial Stodick
Jiaping Zhu

MASTER OF SCIENCE IN INDUSTRIAL ENGINEERING

December 2023

Xiaoyu Chen
Soumalya Ghosh

Haoyu Lan
Yih-Yun Liu

MASTER OF SCIENCE IN MATERIALS SCIENCE AND ENGINEERING

August 2023

Alexis Leigh Pleva

MASTER OF SCIENCE IN MECHANICAL ENGINEERING

December 2023

Xiaoyi Ding
Patrick Emmett
Aaron Esquino
Zhening Hu
Yuanchun Liu

Jiajun Lu
Haozhan Lyu
Victoria Taylor Schmotzer
Fu Xue
Zongyu Zhang
Qing Zhao

August 2023

Shmuley Goodman Reitman

MASTER OF SCIENCE IN NUCLEAR ENGINEERING

December 2023

Jacob William Nery
David Pabst
Brendan Stack

CERTIFICATE IN MEDICAL PRODUCT INNOVATION

December 2023

Julia Marielle Castrucci
Luke Chuderewicz
Therlking Dervil

Micah Guffey
Megan Johns
Kingsly Jonathan

CERTIFICATE IN NUCLEAR ENGINEERING

December 2023

Tate Howard Shorthill

CERTIFICATE IN SAFETY ENGINEERING

December 2023

Danielle Brown

DOCTOR OF PHILOSOPHY

December 2023

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

Kamal Basulaiman
Dissertation: "Learning Fast Approximations for Nonconvex Optimization Problems via Deep Learning with Applications to Power Systems"

Margaret Ruth Bengel
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"

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

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

Abigail Elizabeth Allen Gondringer
Dissertation: "Profilin-1 as a Regulator of Vascular Endothelial-Immune Cell Crosstalk"

Maria Kathleen Jantz
Dissertation: "Epidural Spinal Cord Stimulation for Lower Urinary Tract Control"

Fengting Ji
Dissertation: "Unraveling Ocular Tissue Biomechanics: Characterizing Collagen Microstructural Features and Introducing Direct Fiber Modeling"

Luke Edwin Kljucaric
Dissertation: "Exploring ML-oriented Hardware for Accelerated and Scalable Feature Extraction"

Yuzhe Liu
Dissertation: "Microstructure Evolution in Al-(Cu,Ag) Alloy Thin Films during Pulsed Laser Induced Rapid Solidification"

Golnaz Najaf Tomaraei
Dissertation: "Dynamic Processing to Manufacture Tailored Carbon Nanotubes and Nanofibers"

Drake Dalton Pedersen
Dissertation: "Design of Cardiac Valve Scaffolds from Various Polymeric Biomaterials and Assessment of Dynamic Performance"

Nandan Narendra Pitre
Dissertation: "Investigation of Arterial Luminal Topography and Design of Crimped Fiber Composites"

Noah Alan Sargent
Dissertation: "Integrated Computational and Experimental Design of Functionally Graded Materials Made with Additive Manufacturing"

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

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

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

Connor Ray Wiegand
Dissertation: "Pancreatic Islet Micro-physiology System for Disease Modeling of Type 2 Diabetes"

Clarence Lee Worrell
Dissertation: “Algorithms for Spatial Variations of Classic Optimization Problems with Healthcare Applications”

Fan Yang
Dissertation: “Exploring the Wetting Property of Selected 2D Materials”

August 2023

Saleh Awad Alghamdi
Dissertation: “Characterizing Isotropic Materials in Corrosive Environments: A Non-destructive Testing Approach Using an Advanced Line Focus Transducer”

Shubham Sukumar Awate
Dissertation: “Ion Gating of Two-dimensional Materials to Enable New Electronic Device Functionality”

Shaniel Tanique Bowen
Dissertation: “Use of Computational Morphometry and Modeling to Assess the Impact of Aging and Prolapse Repair on Female Pelvic Anatomy”

Keying Chen
Dissertation: “Multimodal Investigation to Understand the Role of Metabolic Dysregulations at the Electrode-Tissue Interface”

Ya-Wen Cheng
Dissertation: “The Crosstalk of Biomechanical and Biochemical Cues in Endothelial Cell Interactions of Shear Stress to ALK1 Signaling and Geometric Confinement”

Shanna Davidson
Dissertation: “Designing Functional Nanocultures for Controlled Microbial Dynamics”

Michael Vincent Donello
Dissertation: “Real-time Reduced Order Modeling Using Time-dependent Bases: Applications and Advances”

Zhaokai Dong
Dissertation: “Development of Integrative Models to Quantify the Benefits of Green Infrastructure (GI) to Urban Stormwater Management”

Hanie Eskandari
Dissertation: “Advancing Data-driven Healthcare Models with Optimization-based Calibration Methods”

Nadim Farhat
Dissertation: “Advances In Neuroimaging Methods for 7 Tesla Human Brain Magnetic Resonance Imaging”

Lei Guo
Dissertation: “Multimodal Brain Connectomics and Its Applications”

Mahpara Habib
Dissertation: “Modeling Piezoelectric Wave Energy Harvesters and Novel Carbon Capture Solid Sorbents”

Liangyan Hao
Dissertation: “Physics-based CALPHAD Modeling of the Ga-Mn-Ni System Using Third-generation Unary Data”

Tomas Ignacio Lagos Gonzalez
Dissertation: “Wildland Fuel Treatment Planning Optimization Under Uncertainty”

Po-Yi Lee
Dissertation: “Optical Techniques for Visualization and Modification of Ocular Biomechanics”

Guodong Liu
Dissertation: “New Nonlinear Machine Learning Algorithms with Theoretical Analysis”

Evan Vincent Miu
Dissertation: “Metal Oxides for Hydrogen Activation and Sustainable Chemical Conversions”

Faezeh Movahedi
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”

Ritesh Dinkar Pawar
Dissertation: “Fundamentals and Scale-up of Membrane Distillation for Treating Produced Waters from Unconventional Oil and Gas Reservoirs”

Chase Wade Rogers
Dissertation: “Structures of Building Design Standards: Leveraging Network Analysis to Understand Perceived Complexity”

Monica E. Shapiro
Dissertation: “Towards Personalized Medicine in Cystic Fibrosis: Patient-specific Modeling of Mucociliary Clearance Using Physiologically Based Flow Constraints”

Haoteng Tang
Dissertation: “Interpretable Graph Representation Learning: New Theories and Applications”

Xin Wang
Dissertation: “Integrated Computational Materials Design for Alloy Additive Manufacturing: Introducing Data-driven Approach to Physical Metallurgy”

Xin Xin
Dissertation: “Improving the Performance of DRAM Memory Subsystem at Low Cost”

An Xu
Dissertation: “New Efficient and Privacy-preserving Methods for Distributed Training”

Qianru Yang
Dissertation: “Characterizations of the Whole Cortical Column Cellular Responses to Microbleeds and Neuroelectronic Devices”

Timothy Tseng Shin Yang
Dissertation: “First-principles Electrochemical Modeling of Hydrogen Evolution Reaction”

Yanfu Zhang
Dissertation: “New Graph-based Representation Learning Algorithms”

Gaoxiang Zhou
Dissertation: “Intervention Strategy Discovery in Complex Systems through Causal Modeling and Sensitivity Analysis”

SCHOOL OF LAW

Mary Crossley, BA JD, Interim Dean

JURIS DOCTOR

December 2023

Caroline Bailey
Richard Senior

May 2023

Catrina M. Abbott
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Alec E. Bosnic
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Hanna Brourman
Haven Campbell
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Caitlin Elizabeth Cesa
Gloria O. Chibueze-Azinge
Jeremy Marc Childs
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Christian Dimeo
Hattie Dougherty
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Molly Ellman Ennis
Jacob M. Fabian

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Sandrine Gibbons
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Dissertation: “Seeking
Self-determination for Black
Communities: Toward
Revolutionary Place-based
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Commuter Student: The
Impact of a Majors
Mentor Program on
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Dissertation: “One Caring
Person: The Impact of
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nteraction on International
Students’ Sense of Belonging”

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Dissertation:
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Communities to Support Adult
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Self-assessment Instrument:
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Technology Staff in Higher
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Dissertation: “Overcoming
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centered Class-wide
Discussions to Support
Learning through Exposure
to Multiple Perspectives and
Practicing Scientific
Argumentation”

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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”

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Dissertation: “Becoming
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Identifying Best Practices to
Evaluate, Sustain, and Evolve
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Dissertation: “The
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Mindedness by BIPOC
Students at the University
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Dissertation: “Meeting the Needs for Students with Disabilities in Inclusion Classrooms’ Co-teaching: Role of Teachers and Equitable Teaching Practices”

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

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

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

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

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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”

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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”

December 2023

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

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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”

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

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Di Yuan

Dissertation: "Artificial Intelligence, Fairness and Productivity"

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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"

June 2023

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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"

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DOCTOR OF PUBLIC AND INTERNATIONAL AFFAIRS

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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”

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Rena Sung
Dissertation: “The Politics of High-skilled Immigration”

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December 2023

Mason T. Hoydick
Charan Deep Kota
Evan Aaron Kozierok
Peter S. Magasiny

August 2023

Zixin Yang

BACHELOR OF SCIENCE IN DIGITAL NARRATIVE AND INTERACTIVE DESIGN

December 2023

Jennifer Cao
Diego A. Cuevas

Alexander J. Haskovec
Simon M. Kioko
Radley A. Lettich
Crystal Li

Noah F. Martino
Connor Sibley
Josh Ye
Jennifer Zheng

BACHELOR OF SCIENCE IN INFORMATION SCIENCE

December 2023

Apurvaa S. Anand
Menachem M. Blumberger
Jared B. Glickfield
Zachary F. Hoffman
Simon M. Kioko
Conor McGirr
Daniel Mezhinsky

Suryasubahini I. Raju
James J. Sanchioli
Josavee Sok-Coyle
Shivangi Tiwari
Violeta J. Valenzuela
Kaisamba Wisniewski
London M. Wright
Hanyu Zeng
Yunjie Zhang

August 2023

Yousif Bassam Alkharraz
Victoria L. Bloomfield
Daijue Dong
Jacob A. Kirby
Amy Tan

GRADUATE CERTIFICATE IN APPLIED DATA-DRIVEN METHODS

December 2023

Amy DeStefano

GRADUATE CERTIFICATE IN BIG DATA ANALYTICS

December 2023

Peng Yuan

MASTER OF LIBRARY AND INFORMATION SCIENCE

December 2023

Mohammed Al Bharani
Mousa Saleh Alonzi
Hannah Ruth Blake
Julianna Cirino
Kayla Copes
Rosemary Kate Fischer
Emma Lynn Golden
Brittini Anne Linn
Grace McGinness
Garrett Alan Mitchell
Traci Montgomery
Emily Pellegrini

Elizabeth Ann Quinn
Madelyn Irene Sheridan
James Michael Shiffer
Megan Renee Underwood
Emily Victoria Wood
Leah Worster

August 2023

Tyler Auge
Evelyn Barnes
Danielle Carey
Sarah Davies

Elliot A. Davis
Chad Denton
Dagny Clare Felker
Madelyn Glymour
Abigail Guay
Grace Hubby
Claire Johns
Christopher Caleb Jordan
Alex Kohn
Erin Lane
Dana Ludgate
Hope Elizabeth Matyas
Sarah Meyer
Mckenna Grace Miller

Jennifer Ye Moon-Chung
Marcus Needham
Gabrielle Victoria Passick

Sonia Prescott
Linda Nicole Purdue
Alanna Marie Reiter

Kendall Resnick
Madeline P. Schatten
Sofia Sparks

MASTER OF SCIENCE IN COMPUTER SCIENCE

August 2023

Brett M. Jones
Hunter Osterhoudt
Gerasimos Palaiopanos

MASTER OF SCIENCE IN INFORMATION SCIENCE AND TECHNOLOGY

December 2023

Yang Cao
Yida Chen
Chieh-Hung Cheng
Zhenyuan Gu
Muskaan Jain
Vivek Kumar
Shiyuan Luo
Shaogeng Peng
Ashumi P. Rokadia
Priyanka Sarkate

Mawadah Saddig Sindi
Chenxi Song
Bicen Wang
Connor Jay Wilson
Shen Xiaoming
Beining Yang
Shulei Zang
Jinghong Zhang
Yuchen Zhang
Yiwei Zhu

August 2023

Andrew Mrkva
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"

UNIVERSITY OF PITTSBURGH AT BRADFORD

Richard T. Esch, AS, BS, MBA, President

ASSOCIATE OF ARTS

August 2023

Kindra L. Wessels

BACHELOR OF ARTS

December 2023

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Kayden M. Miller
Paiton Grace Murgitroyde
Brody S. Nay
Abigail Neri

Dakota A. Panighetti
Evan J. Schmidt
Chanelle M. Shoemake
Chelsea D. Thomas

August 2023

Matthew M. McEwan
Nathan W. Powley

BACHELOR OF SCIENCE

December 2023

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Abdul-Qadir Ibn-Keefe Fields
Morgan Frishkorn
George Gallagher
Andrea Tionne Gordon-Peace
Zoe L. Halpate
Cameron R. Harrier
Aiden M. Hulings
Elena M. Isaman
Temitope Ishola

Alisha Khadka
Isatu Koroma
Kaylee May Larsen
Katelyn J. Lewke
Dylan Lydic
Rachel L. Lyle
Kyler P. Majka
Alexander James Marrone
Oviya Shivani Mohanraj
Miguel A. Perez
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Kailey Ruhlman
Chanelle M. Shoemake
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Spencer A. Sklar
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Willie G. Williams IV
Ekaterina Nicola Wilson
Ian T. Woytowich
Chelsea Zarzuela

Marcellus D. Stillwell
Jarrell C. Wells

June 2023

Kleron Kurt Serano

August 2023

Tyler Babinski
Makailla Sylvia Dawn Carnessali
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Ashley N. Hall
Wilhelmina W. Kemcha
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Kaylee E. Morgan
Basirat O. Omotesho
Emily C. Schneider
Jolaina M. Shetler
Patricia Claire Gidor Siana
Addie M. Swansbrough
Evan B. Tannler

UNIVERSITY OF PITTSBURGH AT GREENSBURG

Robert G. Gregerson, BA, PhD, President

BACHELOR OF ARTS

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Andrew Mawhinney
Connor Seice
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Morgan O. Ellsworth
Carly E. Snyder

BACHELOR OF SCIENCE

December 2023

Sunyanna N. Anderson
Ashley E. Barker
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Jabril Darr
Mollie Dreistadt
Grace Nicole Dzurko
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Ryan Patrick Fyalkowski
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Molly Elizabeth Papp
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Cathryn Maria Rossi
David Runco
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Alexia Kay Sheppard
Zakiya I. Steave-Onyundo
Amber Jo Sterrett
Sarah Gertrude Verbanick
Sydney Marie Vickroy
Ashlyn Whalen

August 2023

Jason R. Bush
Jace A. Cappellini
Jacob Fierle
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Dominic Greco
Hunter L. Harper
Isiah Jones
Kyle Piper
Lexis Puskar-Hantz
Claire Smeltzer
Savien Smith
Derek Witt

UNIVERSITY OF PITTSBURGH AT JOHNSTOWN

Jem Spectar, BA, MBA, MA, MAP, JD, PhD, President

ASSOCIATE OF SCIENCE

August 2023

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Miracle Kaminsky
Nicole Kuhar

BACHELOR OF ARTS

December 2023

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C.J. Wismer Boburchock
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Jordan F. Heider
Joshua M. Horner

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Jared Meharey
Mikaylah C. Nelson
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August 2023

Molly G. Ayres
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BACHELOR OF SCIENCE

December 2023

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Yunlong Dai
Ashley Nicole Eckenrode
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Leah M. Miller

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Tre Stillman
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Meghan Elizabeth Thropp
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Madison E. Waters
Grace Weinzierl
Matthew G. Whelan
Jaqueline A. Wisinski

August 2023

Damilola Afolabi-Aiyelokun
Sarah A. Al-Ubaidi
Edward Alexander DeHart
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Dajauhn Hertzog
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Michael E. Teno
Zachery T. Trevorrow

June 2023

Tyler S. Bontrager
Sierra D. Crum
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Erika Strand
Jeanmarie E. Trichel
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BACHELOR OF SCIENCE IN ENGINEERING

December 2023

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Rex Hall

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Geovany J. Reyes
Mason Rodgers
Kylee McKenna Sterner
Andrew C. Todaro
Lucas Westover

August 2023

Lyle D. Moody

June 2023

Kyle A. Bylicki

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Nicola Foote, BA, MA, PhD, Dean

BACHELOR OF ARTS

December 2023

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Victoria R. Hart (A&S)
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Chunkai Wu (A&S)

August 2023

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BACHELOR OF PHILOSOPHY IN COMPUTER SCIENCE

December 2023

Anna F. Baskin (SCI)

BACHELOR OF PHILOSOPHY IN HISTORY, INTERNATIONAL AND AREA STUDIES, AND LINGUISTICS

December 2023

Peter J. Busscher (A&S)

BACHELOR OF PHILOSOPHY IN URBAN STUDIES

December 2023

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BACHELOR OF SCIENCE

December 2023

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Roey D. Beniluz (A&S)
Preetam Sreedath Bhamidipati
(SCI)
Aidan F. Carney (A&S)
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August 2023

Yasmeen Gauri (A&S)
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BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

December 2023

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BACHELOR OF SCIENCE IN ENGINEERING

December 2023

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Colin Landis (ENGR)
Sophia Lex (ENGR)

Alexandru Justin Pelinescu
(ENGR)

Kristyn Elizabeth Usilton
(ENGR)

Caileigh M. Wettasinghe (ENGR)

August 2023

Quincy Bayer (ENGR)

BACHELOR OF SCIENCE IN ENGINEERING SCIENCE WITH HONORS

December 2023

Mychal Amofo (ENGR)

BACHELOR OF SCIENCE IN PHARMACEUTICAL SCIENCES

August 2023

Linh M. Huynh (PHARM)

COLLEGE OF BUSINESS ADMINISTRATION

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

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

December 2023

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Angel M. Albright-Sexton
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Nathan J. Cohen
Kayla M. Colbert
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Erikah A. Cudjoe
Tia K. D'Amico
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Rae Catherine Eliou
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Alexis Lindsay Hammer
Camrymn N. Hannigan
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Samuel J. Hayes
Reece Heller
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Olivia Houser
Arielle R. Huber
Aaron E. Hunt
Ethan D. Ilnicki
Sydney Kasper

Kylie E. Keen
Dylan Kohl
Luke J. Kopriva
Kathryn E. Kotyra
Catherine J. Ladson
Nicolas LaGrossa
Joseph L. Lamperski
Derek T. Lawless
Zachary M. Leshner
Xianrui Li
Jing Y. Lin
Yunan Lu
Isabella Manthey
Adam J. Martinelli
Carson D. Mast
Mackenzie G. Mayo
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Luca Carrillo McGrann
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Zachary Thomas Miles
Claudia Millwater
Jessica Mo
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Brendan O'Kane
Justin C. Ozdany-Newman
Siddharth Patel
Caitlin L. Pequeno
Abby G. Potoker
Liyang Qin
Angelina E. Rice
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Zachary A. Schwartz
Kelly Shelton
Yusang Shen
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Joshua N. Singer
Katie M. Staroschuck
Matthew R. Storms VII
Justin C. Strong
Nicholas Tetel
Phyu P. Thant
Shreya Thennanchar Rajaram

Alfred J. Thompson
Kaylyn Toomey
Lee Walker
Ryan A. Walukonis
Hellen Wang
Trevor West
Garrett W. Wickham
MiKinley K Williams
John-Michael J. Yuriscic
Bohan Zhang
Shuo Zhang
Zhen Zheng

August 2023

Miya Thies Bound
Daniel Joseph Boyle
Chris Y. Byun
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Matthew J. Epele
Zachary Foley-Reis
Darren Geissler
Christopher J. Hafner
Sydney Hawk
Bradley Jahn
Jiwon N. Jang
Ashur M. Jasmine
Kevin M. Johnson
Jalia Manu Kombe-Kajue
Bailey M. Kush
John D. Lutostansky
Benjamin W. McClosky
Adam D. McKinney
Daulet Mirzassalim
Natalie M. Montanha
Mashiyat Nawal
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Claire A. Resick
Anita G. Rzewski
Matthew J. Schnaekel
Dylan R. Simmons
Mariah N. Smith
Tyler Smith
Jiadong Xu
Michael A. Yentis

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

Kelly W. Harris
Megan Marie Mantica

August 2023

Sarah Kristin Andersen
Dana L. Egan-Sherry

MASTER OF SCIENCE IN MEDICAL EDUCATION

August 2023

Hannah I. Abumusa
Courtney Leigh Goettel

Kathryn Leyens
Milad Memari
Lauren Mendelson
Elizabeth Ann Oczypok

DOCTOR OF MEDICINE

May 2023

Hussein Abdallah
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Austin Walker Anthony
Hannah Lauren Apfelbaum
Edgar Charles Aranda-Michel
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Raghunandan Avula
Caroline Murielle Ayinon
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Landon Cluts
Brendan Joseph Connolly
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Alan Cuevas Villagomez
Yancheng Dai
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Nimit Rajesh Gandhi
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Nallammai Muthiah
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Eileen Khanh Minh Nguyen
 Mahmoud Omar
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 Chinweoke Crystal Osigwe
 Shawn Owiredu
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 Aja Alana Pollard
 Koehler Ray Powell
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 Vinod Rajakumar

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 Marie Schwalbe
 Paul Anthony Seraly
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Camille Skinner
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 Sabina Tiah Spigner
 Natalie Grace Stern
 Joshua Tashman
 Kathryn Mary Vessel
 Tyler Adam Weigel
 Joshua Scott Wesalo
 David Andrew Wilson
 Yael Wollstein
 Amy Xiao
 Hyunho Yoon
 Haniah A. Zaheer
 Adrian Marek Zalewski
 Nenad Zelenkov
 Amanda Zhou

DOCTOR OF PHILOSOPHY IN INTEGRATIVE SYSTEMS BIOLOGY

December 2023

Carlos Guerrero
 Dissertation: "Expanding the Mycobacterial Genet-ics Toolbox: An Exploration into Phageo-Host Dynamics in Mycobacterium Tubercu-losis, 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"

Feng Shan

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

August 2023

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

Osama Shiraz Shah

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

DOCTOR OF PHILOSOPHY IN CELLULAR AND MOLECULAR PATHOLOGY

December 2023

Ryan LeGraw
 Dissertation: "An Engineered Fetal Liver Organoid for Ex Vivo Expansion of Hemato-poietic 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 MICROBIOLOGY AND IMMUNOLOGY

December 2023

Kristin Depeaux
 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"

Emily Elizabeth Landy

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

Sidney W. Lane

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

Hector Manuel Nieves-Rosado

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

Xiaoyang Yu

Dissertation: "Identification of Host Factors Regulating Hepatitis B Virus Covalently Closed Circular DNA Tran-scription"

August 2023

Rhodes Ford

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

Andrea French

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

Tiffany Taylor

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

DOCTOR OF PHILOSOPHY IN CLINICAL AND TRANSLATIONAL SCIENCE

December 2023

Benjamin Hayes
 Dissertation: "The Longitu-dinal 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"

Jacquelin Michele Rankine

Dissertation: "School Engagement and Attendance as Pathways to Adolescent Health"

DOCTOR OF PHILOSOPHY IN MOLECULAR BIOPHYSICS AND STRUCTURAL BIOLOGY

August 2023

Ananya Mukundan

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

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"

Elysia Saputra

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

DOCTOR OF PHILOSOPHY IN MOLECULAR GENETICS
AND DEVELOPMENTAL BIOLOGY

December 2023

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

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

DOCTOR OF PHILOSOPHY IN MOLECULAR PHARMACOLOGY

December 2023

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

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Dissertation: "A Persistent Variant Telomere Sequence in a Human Pedigree"

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Dissertation: "Mechanisms and Consequences of LRRK2 Kinase Activity in Parkinson's Disease"

August 2023

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Dissertation: "Exploring the Cardioprotective Role of Adropin-GPR19 Signaling in Diabetic Cardiomyopathy"

Sripriya Jaya Raja
Dissertation: "Understanding the Role of UV-DDB in the SMUG1 Mediated Repair of Oxidative DNA Damage"

Hayley Lynne Rein
Dissertation: "Functional Characterization RAD51C Cancer Associated Variants of Unknown Significance"

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Kaylee Ermine
Dissertation: "Restoring Necroptosis to Overcome Chemotherapeutic Resistance in Colorectal Cancer"

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Dissertation: "Developing the Microbiome-Metabolome as a Targeted Therapy for Obesity-associated Asthma"

DOCTOR OF PHILOSOPHY IN NEUROBIOLOGY

December 2023

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Dissertation: "Neuroimmune Gene Expression in Alcohol Use Disorder"

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Dissertation: "The Duality of Zinc Signaling in Normal and Pathological Auditory Processing"

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Dissertation: "Linking Brain Networks and Gut Microbiota to Cognitive Impairment and Depressive Symptoms in Late Life"

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Dissertation: "Activity-dependent Development of Intrinsic Networks in the Central Nucleus of the Inferior Colliculus"

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Dissertation: "Multi-method Approaches to Identifying Reproducible, Robust, and Replicable Neural Network Risk Markers of Bipolar Disorder"

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Dissertation: "The Role of Neurogranin in Synaptic Dysfunction after Experimental Traumatic Brain Injury"

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Dissertation: "Mechanisms of Vesicular Glutamate Transporter-mediated Dopamine Neuron Resilience to Parkinson's Disease Models"

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Dissertation: "Insights into the Mechanism of Copper Ionophore-mediated Toxicity in Glial Cells"

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Dissertation: "Midbrain Kappa Opioid Receptor-expressing Neurons Modulated Multiple Dimensions of Opioid Withdrawal"

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Dissertation: "Application of Modeling and Simulation to Predict Drug Exposure and Response during Pregnancy"

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Dissertation: "Engineering Nanoparticles for Cancer Therapy"

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Dissertation: "Analysis of the Long-term Outcomes of β -Lactam Allergies with Recommendations for Improving Erroneous β -Lactam Allergy Management using Mixed Methods"

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Dissertation: "The Safety and Efficacy of Early Life RSV Vaccination Approaches: The Double-edged Sword of Host Immunity"

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Dissertation: "Design, Synthesis, and Biological Evaluation of Small Molecule HDAC8 Inhibitors for Use in Acute Kidney Injury"

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Dissertation: "Significant Complications and Predictors Associated with Persistent Hypothermia after Neonatal Cardiopulmonary Bypass Surgery"
Jian Zhao
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"

August 2023

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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December 2023

Melissa Bulik
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”

Qianqian Liang
Dissertation: “Computational Approaches for Characterization and Prioritization of Human Genetic Variants”

Alex Catherine McPherson
Dissertation: “Exploring the Impact of Probiotics and Tumor-resident Commensal Bacteria on Anti-tumor Immunity and Cancer”

Meiyuzhen Qi

Dissertation: “Identifying Novel Cardiovascular Biomarkers for Cognitive Performance across the Menopause Transition”

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Dissertation: “The Impact of Institutional Racism on the Environment and Asthma/Allergy-related Outcomes in Adults”

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

August 2023

Jia Qi Cheng Zhang
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”

Brandon Matthew Herbert
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”

Noelle Elizabeth Spencer
Dissertation: “Exploring the Current States and Emerging Priorities of the Menstrual Equity and Period Poverty Movements in the United States and the United Kingdom”

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

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Dissertation: “Biological Network Guided Variable Selection and Outcome Prediction for High-dimensional Multi-omics Data”

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Dissertation: “Three Essays on End-stage Renal Disease Treatment, Policies, and Markets”

Rebecca Ehrenkranz
Dissertation: “A Population Neuroscience Approach to Subjective Well-being in Older Adults”

Jessica Nicole Frankeberger
Dissertation: “Social Ecological Contexts of Hospital Admissions in the First Year Postpartum among Persons with Opioid Use Disorder”

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Dissertation: “Determining the Frequency, Size, and Proviral Expression of Infected Cell Clones Harboring Replication-competent (Intact) HIV-1 Proviruses”

DOCTOR OF PUBLIC HEALTH

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Mohammed Ahmed Bu Saad
Dissertation: “The Role of the Built Environment in Physical Activity Changes and Cardiometabolic Outcomes among Lifestyle Modification Intervention Participants”

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DOCTOR OF PHYSICIAN ASSISTANT STUDIES

December 2023

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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.

