December 14, 2024

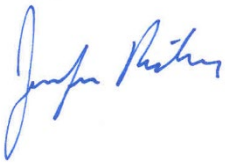
Dear Doctor of Philosophy, Master of Science,
and Master of Science in Clinical Science Graduates:

Congratulations to each of you on achieving this milestone in your academic career. Through hard work, personal sacrifice and commitment, you have matured into independent and productive scholars, pushing ahead the frontiers of knowledge. You have proven to yourselves and the world that you can accomplish great things. It is my hope that today's degree will be only one step in a lifetime filled with the joy of learning.

We trust that the University has provided you with a supportive yet challenging environment, enabling you to reach your full potential. As alumni, you are now ambassadors of this University; each one of you is a testament to our high standards of scholarship, academic integrity, and service. The best evidence that we have done our job well will be that you succeed and thrive in your chosen career.

We wish you the very best in your future endeavors and hope you will cherish your years at the University of Colorado Denver | Anschutz Medical Campus. Please stay in touch!

Best regards,



Jennifer Richer, PhD
Graduate School Dean

UNIVERSITY OF COLORADO
ANSCHUTZ MEDICAL CAMPUS

GRADUATE SCHOOL

Jennifer K. Richer, PhD
Graduate School Dean

Bruce Mandt, PhD
Associate Dean and Director
Postdoctoral Office and Career Development Office

Kristine Sikora, PhD
Associate Dean and Director
Recruitment, Marketing & Communications
Interim Program Director
Biomedical Sciences and Biotechnology

Teresa Bauer-Sogi
Director of Academic Services

Matthew Berta
IT Senior Professional

Justin Brown
Principal Professional of Application Technology
& Program Support

Patricia Goggans
Events Coordinator
Program Administrator,
Biomedical Sciences & Biotechnology

Erin Golden
Assistant Director, Postdoctoral Office

Kristin Goosen
Assistant Director, Marketing & Communications

Carol Hadd
Executive Assistant to the Dean

Hannah Hathaway
Program Manager, Career Development

Maddie Parker
Academic Services Professional

Kathryn Wennerstrom
Director of Finance and Administration

GRADUATES

August 2024

Doctor of Philosophy (Ph.D.)	Program
David Baraghoshi	Biostatistics
Amelia Burch	Pharmacology
Kole R. DeGolier	Immunology
Joseph Hsieh	Cancer Biology
Klara Christin Keim	Microbiology
Timothy Ryan Kellett	Pharmaceutical Sciences
Stephanie K. Kessinger	Nursing
Kelsey Theresa Kines	Cancer Biology
Emily King	Immunology
Joshua Michael Kirsch	Microbiology
Robert Gerard Kowalski	Clinical Science
John Keenan Kushner	Neuroscience
Sue Hyun Kwon	Pharmaceutical Outcomes Research
Weixuan Liu	Biostatistics
Hei-Yong Grant Lo	Molecular Biology
Laurie Marie Lyon	Microbiology
Emily Mastej	Computational Bioscience
Megan McCaleb	Immunology
Donnya Elaine Mogensen	Nursing
Nickole Rhianon Moon	Neuroscience
Kyle Roy Northington	Cell Biology, Stem Cells and Development
Angela Philippus	Clinical Science
Ruth Kaitlin Stefanie Schmitz	Nursing
Brenda Jane Seymour	Immunology
Emma Kathleen Sheriff	Microbiology
Christiana Elizabeth Smith-Anderson	Clinical Science
Katherine Smulligan	Rehabilitation Science
Charee L. Taccogno	Nursing
Jonathan Ross Taylor	Pharmaceutical Sciences
Seifu Nigussie Tulu	Nursing
Brian Carl Ware	Immunology
Jessica Lynn Wild	Biostatistics

DOCTORAL DISSERTATIONS

David Baraghoshi - Biostatistics
Uncertainty-aware Evaluation of Chronic Obstructive Pulmonary Disease Using Chest Computed Tomography Images

Amelia Burch - Pharmacology
TRPM2-dependent Mechanisms Driving Hippocampal Dysfunction Following Global Cerebral Ischemia

Kole R. DeGolier - Immunology
The Roles of Antigen Binding Domain and Antigen Experience History in Determining the Function of Chimeric Antigen Receptor T cells

Joseph Hsieh - Cancer Biology
Regulation and Targeting of PAX3-FOXO1 Chromatin Complexes in Fusion-Positive Rhabdomyosarcoma

Klara Christin Keim – Microbiology
The Role of Staphylococcus aureus Biofilm Formation in Chronic Polymicrobial Infections

Timothy Ryan Kellett - Pharmaceutical Sciences
Targeting DNA Damage Response in Cancer with Novel Therapeutics

Stephanie K. Kessinger - Nursing
Exploring Factors of Retention Among Army Nurse Officers

Kelsey Theresa Kines - Cancer Biology
The Impact of Semaphorin 7a in the Aged Mammary Gland and Metastatic Breast Cancer

Emily King - Immunology
Characteristics of Macrophages in Resolution of Inflammation and Tissue Repair in the Lung

Joshua Michael Kirsch - Microbiology
Dynamics of Insertion Sequence Elements in Gut Bacteria

Robert Gerard Kowalski - Clinical Science
Comparison of the University of Colorado Mobile Stroke Treatment Unit with Standard Management for Evaluation and Treatment of Acute Ischemic Stroke

John Keenan Kushner - Neuroscience
The Role of PI3K-AKT-mTOR Signaling in Neurological Disorder Neurophysiology and Synaptic Plasticity

Sue Hyun Kwon - Pharmaceutical Outcomes Research
Characterizing the Incidence of Multiple Sclerosis, Treatment Patterns, and Health Care Utilization Outcomes in a Colorado-based Healthcare System

Weixuan Liu - Biostatistics

SaNTA-MoNICCA: A Generalized Higher-order Correlation Framework for Multi-omics Network Inference with Application to COPDGene Data

Hei-Yong Grant Lo - Molecular Biology

Developing Proximity Labeling Techniques to Probe the RNA Content of the Centrosome

Laurie Marie Lyon - Microbiology

An Investigation of Factors Mediating Methicillin-resistant Staphylococcus aureus Vaginal Colonization

Emily Mastej - Computational Bioscience

Identifying and Visualizing Mediation Effects of Multivariate Data Between Exposure and Outcome

Megan McCaleb - Immunology

Regulation of Central B cell Tolerance by CD19 and FOXO1 Expression

Donnya Elaine Mogensen - Nursing

New Graduate Nurse Transition Experience, Job Embeddedness, and Retention

Nickole Rhianon Moon - Neuroscience

Stress Mechanisms Altering Extracellular Vesicle Communication and Germ Cell Function in Mice and Men

Kyle Roy Northington - Cell Biology, Stem Cells and Development

Bridging the Gap: Tubulin Regulation for Axon Guidance and Commissure Formation

Angela Philippus - Clinical Science

Exploring Patterns of Resilience After Spinal Cord Injury and Their Association with Psychosocial Outcomes

Ruth Kaitlin Stefanie Schmitz - Nursing

Exploring Emerging Adult Perspectives and Experiences of Sex Education in the Midwest

Brenda Jane Seymour - Immunology

Elucidating the Role of Bacterial Indole-Mediated Immune Dysregulation in Collagen-Induced Arthritis

Emma Kathleen Sheriff - Microbiology

Omics-Driven Insights on Phage Infection in Enterococcus faecalis

Christiana Elizabeth Smith-Anderson - Clinical Science

Innate Immune Defects in Infants Who Are HIV-exposed, but Uninfected: Effect on Respiratory Syncytial Virus Infection

Katherine Smulligan - Rehabilitation Science

Vestibular, Oculomotor, and Cervical Spine Dysfunction After Concussion: Implications for Recovery and Subsequent Injury Risk

Charee L. Taccogno - Nursing

The Ontology of Nurse Wellbeing Within United States Air Force Primary Care Medical Homes

Jonathan Ross Taylor - Pharmaceutical Sciences

Devices and Software for Gene Delivery to the Retina

Seifu Nigussie Tulu - Nursing

Diet and Physical Activity Among Adult Immigrants in the United States: NHANES 2017-March 2020 Dataset

Brian Carl Ware - Immunology

Arthritogenic Alphavirus Evasion of the CD8+ T cell Response

Jessica Lynn Wild - Biostatistics

Nonparametric Resampling Methods for Adaptive Clinical Trial Design and Interim Analysis Applications

Master of Science (M.S.)	**Program**
Dominic Anthony Adducci	Biostatistics
Rae Michele Allain	Palliative Care
Paul Damien Ammatelli	Palliative Care
Jacob Alexander Bado	Bioengineering
Isaac Arnold Bohannon	Palliative Care
Jason D. Carter	Biomedical Sciences and Biotechnology
Manaal K. Dalwadi	Biomedical Sciences and Biotechnology
Dillon Donaghy	Biomedical Basic Sciences
Adrienne Jen Ellett	Bioengineering
Mallory Christine Harrower	Biomedical Sciences and Biotechnology
Lawren Love	Palliative Care
Nicole Julia Messner	Biomedical Sciences and Biotechnology
Bissilola Francine Norah Nyonyotsi	Biostatistics
Abhinav Pentyala	Pharmaceutical Sciences
Erin Jane Salvador	Palliative Care
Jeff David Sung	Palliative Care
Lynne M. Yancey	Palliative Care
Kiranmayee Yenugudhati Vijaya Sai	Biomedical Sciences and Biotechnology

Master of Science Clinical Science (M.S.C.S.)

David Joshua Douin	
Prerna Gupta	Yo Nishihara
Robert Wilson King	Brianne Herriott Shuler
David Karol Leopold	John DeForest Watson, IV

GRADUATES

December 2024

Doctor of Philosophy (Ph.D.)	Program
Leighton Murphy Anderson	Nursing
Samantha Kathleen Bromley-Coolidge	Neuroscience
Elliott Paul Brooks	Cell Biology, Stem Cells and Development
Carolyn Nicole Brown	Pharmacology
Jeffrey Chung	Immunology
Christina Nicole Como	Neuroscience
Alan Michael Elder	Cancer Biology
Thomas Eldon Forman	Molecular Biology
Joshua Hunt	Neuroscience
Ying Jocelyn Jin	Biostatistics
Alana Lauren Keller	Cancer Biology
JungMin Kim	Neuroscience
Ian Sprague LaCroix	Structural Biology and Biochemistry
Jiawei Liu	Biostatistics
Joelle Kelsie Lo	Molecular Biology
Nicholas D. Mendola	Pharmaceutical Outcomes Research
Mariah Cheyenne Meyer	Human Medical Genetics and Genomics
Hannah Rose Moran	Cell Biology, Stem Cells and Development
Catherine Ann Nicholas	Molecular Biology
Natalie Jessica Nokoff	Clinical Science
Deviyani Marie Rao	Molecular Biology
Ian Thomas Shelton	Pharmacology
Arthur D. Stem	Toxicology
Jose Jacob Vigil	Neuroscience
Theresa Marie Welle	Neuroscience
Benjamin A. S. Willett	Immunology
Hayley R. Wolff	Human Medical Genetics and Genomics
Lisa Marie Wood	Cancer Biology
Katlin Hahm Zent	Neuroscience

DOCTORAL DISSERTATIONS

Leighton Murphy Anderson - Nursing
Determining Postpartum Hemorrhage Risk at a Single Safety Net Academic Institution

Samantha Kathleen Bromley-Coolidge - Neuroscience
Zen and the Art of Myelin and Matrix: CSPGS Sculpt Oligodendrocyte Lineage Cell Development

Elliott Paul Brooks - Cell Biology, Stem Cells and Development
NKX2.2 and KLF4 Cooperate to Regulate Alpha Cell Identity

Carolyn Nicole Brown - Pharmacology
Calcium/Calmodulin-Dependent Protein Kinase II Holoenzyme Mechanisms in Health and Disease

Jeffrey Chung - Immunology
Engineering T cells to Enhance Migration and Persistence in Solid Tumors

Christina Nicole Como - Neuroscience
Retinoic Acid Signaling in Neurovascular and Forebrain Development

Alan Michael Elder - Cancer Biology
Deciphering the Link Between Semaphorin 7A and lmmunosuppression in Postpartum Mammary Gland lnvolution and Breast Cancer

Thomas Eldon Forman - Molecular Biology
Investigating SRSF3-Mediated Alternative RNA Splicing Downstream of PDGFRa Signaling in Mouse Craniofacial Development

Joshua Hunt - Neuroscience
Expanding on Superior Colliculus Motor Function and Influences of Saccades on Visual Processing in the Mouse

Ying Jocelyn Jin - Biostatistics
Efficient Dynamic Prediction of High-density Generalized Data with Complex Structure and the Evaluation of Predictive Performance

Alana Lauren Keller - Cancer Biology
Targeting Multiple Myeloma Resistant to T Cell Redirection Therapies

JungMin Kim - Neuroscience
Characterizing Ventral Subiculum to Nucleus Accumbens Medial Shell Synapses and the Role of Neurexin-3

Ian Sprague LaCroix - Structural Biology and Biochemistry
Thromboinflammatory Complications After Critical Injury and Intervenable Mechanisms: Mass Spectrometry-Based Multi-Omics Insights

Jiawei Liu - Biostatistics
Quantitative Approaches to Characterize Normal and Abnormal Cranial Development from Pediatric CT Images

Joelle Kelsie Lo - Molecular Biology
HNRNPA2B1 Regulates RNA Localization and Motor Protein Function in Neurites

Nicholas D. Mendola - Pharmaceutical Outcomes Research
Comparative Effectiveness of Rare Disease Therapies Using Multi-criteria Decision Analysis: A Case Example in Neuromyelitis Optica Spectrum Disorder

Mariah Cheyenne Meyer - Human Medical Genetics and Genomics
Evaluating the Genetics and Proteomic Risk Factors for Cardiovascular and Renal Diseases in a Large US-based Cohort of Black and White Participants

Hannah Rose Moran - Cell Biology, Stem Cells and Development
Lineage Dynamics in Cardiac and Pericardial Morphogenesis

Catherine Ann Nicholas - Molecular Biology
Phenotyping Autoantigen Reactive B cells Across Type 1 Diabetes Development

Natalie Jessica Nokoff - Clinical Science
Impact of Pubertal Blockade and Gender-Affirming Hormone Therapy on Cardiometabolic Health

Deviyani Marie Rao - Molecular Biology
Identification and Expanded Characterization of Peptide Bond-Skipping Sequences in Eukaryotic Viruses and Their Hosts

Ian Thomas Shelton - Pharmacology
Unraveling Leukemia Stem Cell Heterogeneity in Acute Myeloid Leukemia

Arthur D. Stem - Toxicology
Sugarcane Toxicant Emissions: Metabolomic Trends, Health Effects, & Silica Impact Studies

Jose Jacob Vigil - Neuroscience
Age and Sex Influence the Outcome of Global Cerebral Ischemia

Theresa Marie Welle - Neuroscience
Release Your Inhibitions: Translational Mechanisms of GABAergic Post-synaptic Plasticity

Benjamin A. S. Willett - Immunology
Mitochondrial Protein OPA1 is Required for the Expansion of Effector CD8 T cells

Hayley R. Wolff - Human Medical Genetics and Genomics
Advancing Methodologies for Estimating Substructure and Allele Frequencies from Genetic Summary Data

Lisa Marie Wood - Cancer Biology
The Role of the Divergent β-Tubulin Isotype, β3, in the Microtubule Network and Chemoresistance

Kaitlin Hahm Zent - Neuroscience
Mechanisms of Neuronal Excitation – Transcription Coupling

Master of Science (M.S.)	**Program**
José M. Barron, Jr.	Pharmaceutical Sciences
Jessica Elizabeth Benjamin	Pharmaceutical Sciences
Sarah M. Bird	Biostatistics
Aidan Jonah Borkan	Biomedical Sciences and Biotechnology
Megan Broe	Biomedical Sciences and Biotechnology
Ryan Chio	Biostatistics
Brittany Close	Bioengineering
Tyler Ryan Currie	Bioengineering
Lauren Nicole Dvorchak	Modern Human Anatomy
Kristen Eisenman	Palliative Care
Jessica Ellis	Health Services Research, Policy and Administration
Brandon Shaw Finley	Pharmaceutical Sciences
Tyler Johnathon Hinthorn	Biomedical Sciences and Biotechnology
Cole Lange Hoffman	Biostatistics
Archi Shah	Pharmaceutical Sciences
Gabriel Thamm	Modern Human Anatomy
Shriprada Prakash Tikekar	Bioengineering
Tyler Wick	Biostatistics
Wanzhu Zhao	Pharmaceutical Sciences

Master of Science Clinical Science (M.S.C.S.)
Katherine Thor Lind
Lucas Marzec
Kalie Lyn Tommerdahl