



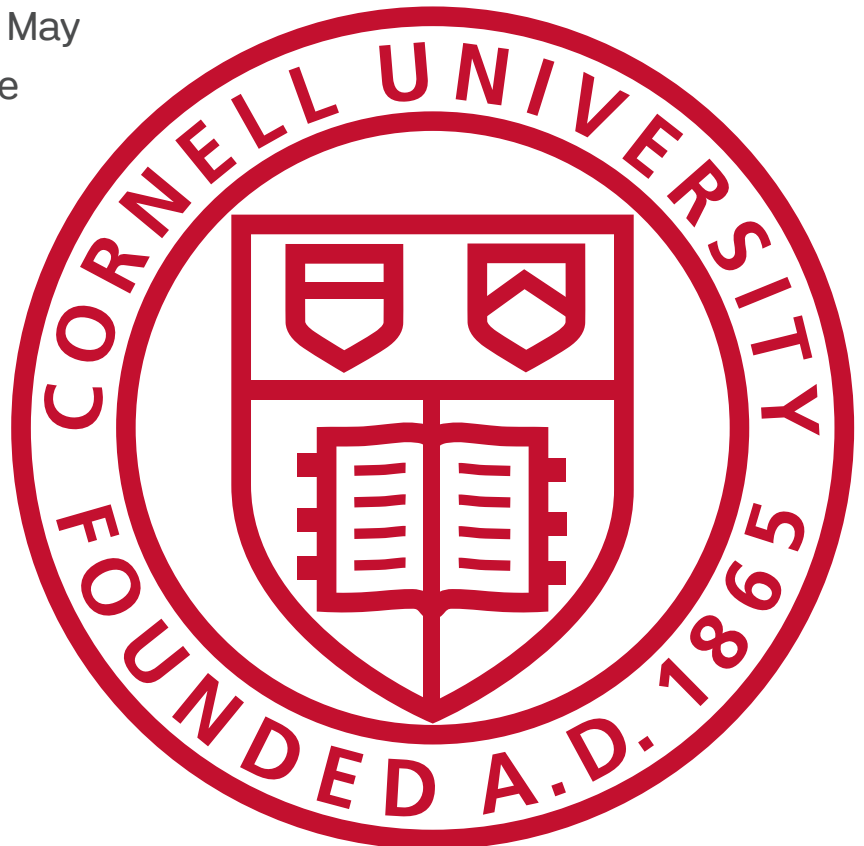
**Weill Cornell  
Medicine**

**Weill Cornell Medical College**

**Weill Cornell Graduate School  
of Medical Sciences**

**Commencement**

Thursday, the Eighteenth of May  
Two Thousand Twenty-Three  
Noon



# Program

## Academic Procession

Poppy L. McLeod, Ph.D.  
University Marshal

Peter M. Marzuk, M.D.  
Macebearer

## Presentation of the Academic Assembly

Professor McLeod

## Invocation

Joo Young Hong, M.Div., B.C.C.  
Manager of Pastoral Care, NewYork-Presbyterian Brooklyn  
Methodist Hospital

## Dean's Address to the Graduating Class

Francis Lee, M.D., Ph.D.  
Interim Dean, Weill Cornell Medicine  
Interim Provost for Medical Affairs, Cornell University

## President's Address to the Graduating Class

Martha E. Pollack, Ph.D.  
President, Cornell University

## Graduate School of Medical Sciences

### Dean's Address to the Graduating Class

Barbara L. Hempstead, M.D., Ph.D.  
Dean, Weill Cornell Graduate School of Medical Sciences

### Introduction of the Graduate School of Medical Sciences Student Speaker

Dean Hempstead

### Address by the Student Speaker

Christopher Bourne  
Weill Cornell Graduate School of Medical Sciences

### Presentation of the Candidates for the Degree of Master of Science

Dean Hempstead

### Conferment of the Degree of Master of Science

President Pollack

### Presentation of the Candidates for the Degree of Doctor of Philosophy

Dean Hempstead

### Conferment of the Degree of Doctor of Philosophy

President Pollack

### Presentation of the Graduate School of Medical Sciences Alumni Award of Distinction to Cheryl F. Dreyfus, Ph.D. '76

Ting Jia, Ph.D. '08  
Co-Chair, Weill Cornell Graduate School Alumni Advisory Council

### Entr'acte from The Phantom of the Opera by Andrew Lloyd Webber, Arranged by Alexander Koo '23

Music & Medicine  
Artistic Director: Richard M. Kogan, M.D.  
Keyboard: Alexander Koo M.D. '23  
Violins: Rachel Hao Abramson M.D.'23, Sofya Norman M.D. '23, Kristine Choohyun Paik M.D. '23,

Stephanie Lynn Rager M.D. '23  
Viola: Ethan Zhao M.D. '23  
Trumpet: Nicholas Andrew Vernice M.D. '23  
Clarinet: Hannah Hwang M.D. '25  
Oboes: Patrick Brunner M.D., Grant Luhmann M.D. '24,  
Flutes: Madelyn Baker Ph.D. '25, Isabella Karabinas M.D. '25

### Presentation of the Jeanne and Herbert Siegel Award for Excellence in Medical Education to Lily M. Belfi, M.D.

Interim Dean Lee

### Presentation of the Jeanne and Herbert Siegel Award for Outstanding Medical Research to Conor Liston, M.D. '08, Ph.D.

Interim Dean Lee

### Presentation of the Jeanne and Herbert Siegel Faculty Development Award to Kane O. Pryor, M.D.

Interim Dean Lee

### Presentation of the Dean's Award for Excellence in Mentorship to Erika Abramson, M.D., M.S. '09

Interim Dean Lee

### Presentation of the Medical College Alumni Association Award of Distinction to Margaret "Peggy" Bia, M.D. '72

Kathleen M. Foley, M.D. '69  
President, Weill Cornell Medical College Alumni Association

### Introduction of the Medical College Student Speaker

Interim Dean Lee

### Address by the Student Speaker

Tahj Ali Blow  
Weill Cornell Medical College

### Administration of the Hippocratic Oath

Interim Dean Lee

### Presentation of the Candidates for the Degree of Doctor of Medicine

Interim Dean Lee

### Conferment of the Degree of Doctor of Medicine

President Pollack

### Farewell to the Graduates

Interim Dean Lee

### Alma Mater

### Benediction

Reverend Hong

### Recessional

*Kindly hold applause until all presentations are completed*

# Recipients of Degrees 2023

**Weill Cornell Graduate School  
of Medical Sciences**

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# Masters of Science

August 31, 2022

**Albraikan, Layan Abdulaziz**, M.S., Health Policy and Economics. Advisor: Amy Bond. **Thesis:** *Physician, Practice, and Market Characteristics of Primary Care First Participants.*

**AlHilal, Arwa**, M.S., Health Policy and Economics. Advisor: Czarina Behrends. **Thesis:** *Impact of State Policies on On-site Provision of HIV and HCV Testing at Outpatient Opioid Treatment Program in the United States.*

**Al-Mazrou, Ahmed Mohammed**, M.S., Health Policy and Economics. Advisor: Mark Unruh. **Thesis:** *The Metabolic and Bariatric Surgery Accreditation and Quality Improvement Program (MBSAQIP) and the Performance of Bariatric Surgery.*

**Altammami, Abdullah Mohammed**, M.S., Health Informatics. Advisor: Yiye Zhang. **Thesis:** *Developing AI-Driven Patient Education Materials.*

**Anderson, Ashley Maree**, M.S., Biostatistics and Data Science. Advisor: Karla Ballman. **Thesis:** *National Cancer Database to Build a Subset of Patients that Closely Match the Inclusion and Exclusion Criteria of the Randomized Clinical Trial of Interest.*

**Argyros, Yiorgos**, M.S., Biochemistry and Structural Biology. Advisor: Alessio Accardi.

**Bernard, Shawn Bowen**, M.S., Biostatistics and Data Science. Advisor: Samprit Banerjee. **Thesis:** *Optimized Treatment Decision to Triage Patients into Most Beneficial Psychotherapeutic Treatment.*

**Born, Hayley**, M.S., Clinical and Translational Investigation. Advisor: Alvin Mushlin. **Thesis:** *Effect of Injection Augmentation on the Long-Term Outcome in Vocal Fold Paralysis: An Interim Analysis.*

**Chen, Peizheng**, M.S., Biostatistics and Data Science. Advisor: Samprit Banerjee. **Thesis:** *Recovery Outcomes after COVID-19 Hospitalization Among Patients with Chronic Gastrointestinal or Hepatic Conditions.*

**Chen, Yanju**, M.S., Health Informatics. Advisor: Braja Patra. **Thesis:** *Advancing Dataset Recommendation System Using Deep Learning Techniques.*

**Chen, Yanyan**, M.S., Biostatistics and Data Science. Advisor: Kathy Zhou. **Thesis:** *Clinical Factors Predicting Recurrences Following 2<sup>nd</sup> Breast Conserving Surgery with Intraoperative Radiotherapy.*

**Cheng, Zilin**, M.S., Health Policy and Economics. Advisor: Yiye Zhang. **Thesis:** *Developing AI-Driven Patient Education Materials.*

**Chiha, Maria Serèna**, M.S., Health Policy and Economics. Advisor: Jiani Yu. **Thesis:** *Telehealth Use for Older Adults with Alzheimer's Disease and Related Dementias.*

**Dabas, Megha**, M.S., Health Policy and Economics. Advisor: Amy Bond. **Thesis:** *Physician, Practice, and Market Characteristics of Primary Care First Participants.*

**Dai, Zhuojun**, M.S., Health Policy and Economics. Advisor: Arian Jung. **Thesis:** *The Prevalence of Non-Elderly Nursing Home Residents and the Characteristics and Quality of the Facilities in Which They Reside.*

**Duan, Yimeng**, M.S., Biostatistics and Data Science. Advisor: Paul Christos. **Thesis:** *Impact of High-Sensitivity Cardiac Troponin Implementation on Emergency Department Length of Stay, Testing, Admissions, and Diagnoses.*

**Elavathy, Sriya Chandragupta**, M.S., Health Informatics. Advisor: Yunyu Xiao. **Thesis:** *GeoAI and Social Determinants of Mental Health in the Pre and Post-COVID-19 Era.*

**Ezhuthachan, Idil Daloglu**, M.S., Health Informatics. Advisor: Tom Campion. **Thesis:** *Natural Language Processing of Genes to Enable Precision Medicine Research.*

**Fan, Jiaqi**, M.S., Biostatistics and Data Science. Advisor: Linda Gerber. **Thesis:** *Suicidality Among Black Youth.*

**Gao, Jing**, M.S., Health Informatics. Advisor: Tom Campion. **Thesis:** *Natural Language Processing of Genes to Enable Precision Medicine Research.*

**Gemson, Edward**, M.S., Biostatistics and Data Science. Advisor: Mark Weiner. **Thesis:** *Evaluating the Use of Superlearner to Predict Negative Outcomes After Stroke.*

**George, Nathanael**, M.S., Health Informatics. Advisor: Tom Campion. **Thesis:** *Natural Language Processing of Genes to Enable Precision Medicine Research.*

**Gokulakrishnan, Harshini**, M.S., Health Informatics. Advisor: Arian Jung. **Thesis:** *The Prevalence of Non-Elderly Nursing Home Residents and the Characteristics and Quality of the Facilities in which They Reside.*

**Gong, Zirui**, M.S., Health Policy and Economics. Advisor: Curtis Cole. **Thesis:** *Compare Published Conflicts of Interest with Publication Disclosures.*

**Hilaire, Genevieve**, M.S., Clinical Epidemiology & Health Services Research. Advisor: Molly McNairy. **Thesis:** *Sexually Transmitted Infections and Reproductive Health Knowledge Among Adolescent Girls Living with HIV in Haiti.*

**Huang, Xueqi**, M.S., Biostatistics and Data Science. Advisor: Samprit Banerjee. **Thesis:** *Recovery Outcomes After COVID-19 Hospitalization Among Patients with Chronic Gastrointestinal or Hepatic Conditions.*

**Julian, Ellie**, M.S., Health Policy and Economics. Advisor: Arian Jung. **Thesis:** *The Prevalence of Non-Elderly Nursing Home Residents and the Characteristics and Quality of the Facilities in which They Reside.*

**Kabir, Farah Sama**, M.S., Biostatistics and Data Science. Advisor: Kathy Zhou. **Thesis:** *Clinical Factors Predicting Recurrences Following 2<sup>nd</sup> Breast Conserving Surgery with Intraoperative Radiotherapy.*

**Kasi Reddy Jagadeesh Kumar Reddy, Praneet**, M.S., Health Informatics. Advisor: Yiye Zhang. **Thesis:** *Developing AI-Driven Patient Education Materials.*

# Masters of Science

August 31, 2022 (continued)

**Kim, Dayoung**, M.S., Health Informatics. Advisor: Tom Champion. **Thesis:** *Natural Language Processing to Support Cancer Clinical Trial Recruitment.*

**Kopyto, Ruth Frieda**, M.S., Pharmacology. Advisor: Kristy Brown.

**Lai, Po-hsuan**, M.S., Biostatistics and Data Science. Advisor: Samprit Banerjee. **Thesis:** *Optimized Treatment Decision to Triage Patients into Most Beneficial Psychotherapeutic Treatment.*

**LaQuaglia, Michael J.**, M.S., Biostatistics and Data Science. Advisor: Zhengming Chen. **Thesis:** *The Development of Hypertension in the Neuroblastoma Patient Population.*

**Li, Calvin Jiawen**, M.S., Health Informatics. Advisor: Tom Champion. **Thesis:** *Natural Language Processing of Genes to Enable Precision Medicine Research.*

**Li, Ruijie**, M.S., Health Policy and Economics. Advisor: Braja Patra. **Thesis:** *Advancing Dataset Recommendation System Using Deep Learning Techniques.*

**Li, Tianzi**, M.S., Health Policy and Economics. Advisor: Jing Li. **Thesis:** *Utilization of Advance Care Planning Billing Codes in Medicare.*

**Li, Ying**, M.S., Biostatistics and Data Science. Advisor: Paul Christos. **Thesis:** *Impact of High-Sensitivity Cardiac Troponin Implementation on Emergency Department Length of Stay, Testing, Admissions, and Diagnoses.*

**Liu, Anni**, M.S., Biostatistics and Data Science. Advisor: Kathy Zhou. **Thesis:** *Integrative Clustering Analysis of Normal Breast Tissue Transcriptomic and Plasma Lipidomic Data: An Application of a Bayesian Latent Variable Model.*

**Liu, Xirui**, M.S., Health Informatics. Advisor: Curtis Cole. **Thesis:** *Compare Published Conflicts of Interest with Publication Disclosures.*

**Liu, Yiyang**, M.S., Health Policy and Economics. Advisor: Yiye Zhang. **Thesis:** *Developing AI-Driven Patient Education Materials.*

**Lu, Dingxin**, M.S., Biostatistics and Data Science. Advisor: Linda Gerber. **Thesis:** *Suicidality Among Black Youth.*

**Lukyanchikov, Nikolay**, M.S., Health Informatics. Advisor: Tom Champion. **Thesis:** *Natural Language Processing to Support Cancer Clinical Trial Recruitment.*

**Matsubayashi, Carolina Ogawa**, M.S., Health Informatics. Advisor: Amy Bond. **Thesis:** *Physician, Practice, and Market Characteristics of Primary Care First Participants.*

**Natarajan, Harshani**, M.S., Biostatistics and Data Science. Advisor: Linda Gerber. **Thesis:** *Suicidality Among Black Youth.*

**Natesan, Sahana**, M.S., Health Policy and Economics. Advisor: Jiani Yu. **Thesis:** *Telehealth Use for Older Adults with Alzheimer's Disease and Related Dementias.*

**Navangul, Swayami Sanjiv**, M.S., Health Policy and Economics. Advisor: Amy Bond. **Thesis:** *Physician, Practice, and Market Characteristics of Primary Care First Participants.*

**Oh, Seongeun**, M.S., Biostatistics and Data Science. Advisor: Paul Christos. **Thesis:** *Impact of High-Sensitivity Cardiac Troponin Implementation on Emergency Department Length of Stay, Testing, Admissions, and Diagnoses.*

**Pai, Jonathan**, M.S., Cell and Developmental Biology. Advisor: Anna-Katerina Hadjantonakis.

**Pan, Di**, M.S., Biostatistics and Data Science. Advisor: Jihui Lee. **Thesis:** *Impact of Social Determinants of Health on Functional Status Outcomes in Critically Ill COVID-19 Patients.*

**Pan, Jingxiang**, M.S., Health Policy and Economics. Advisor: Jing Li. **Thesis:** *Utilization of Advance Care Planning Billing Codes in Medicare.*

**Patel, Aman Neelam**, M.S., Biostatistics and Data Science. Advisor: Samprit Banerjee. **Thesis:** *Optimized Treatment Decision to Triage Patients into Most Beneficial Psychotherapeutic Treatment.*

**Peng, Maosen**, M.S., Biostatistics and Data Science. Advisor: Kathy Zhou. **Thesis:** *Clinical Factors Predicting Recurrences Following 2<sup>nd</sup> Breast Conserving Surgery with Intraoperative Radiotherapy.*

**Sen, Roshni**, M.S., Health Policy and Economics. Advisor: Jiani Yu. **Thesis:** *Telehealth Use for Older Adults with Alzheimer's Disease and Related Dementias.*

**Shaikh, Bilal Afroz**, M.S., Health Policy and Economics. Advisor: Tom Champion. **Thesis:** *Natural Language Processing to Support Cancer Clinical Trial Recruitment.*

**Sharma Paudel, Anamika**, M.S., Health Informatics. Advisor: Yunyu Xiao. **Thesis:** *GeoAI and Social Determinants of Mental Health in the Pre and Post-COVID-19 Era.*

**Shea, Christie**, M.S., Tri-Institutional Program in Chemical Biology. Advisor: John Blenis.

**Sun, Zhaoyi**, M.S., Health Informatics. Advisor: Tom Champion. **Thesis:** *Natural Language Processing to Support Cancer Clinical Trial Recruitment.*

**Taylor, ReyLynn R.**, M.S., Health Sciences for Physician Assistants. Advisor: Katherine Amberson Hajjar. **Thesis:** *The Effect of Mindfulness on Childhood Obesity.*

**VarnBuhler, Bria Sage**, M.S., Tri-Institutional Program in Chemical Biology. Advisor: Samie Jaffrey.

**Wang, Manqi**, M.S., Biostatistics and Data Science. Advisor: Kathy Zhou. **Thesis:** *Clinical Factors Predicting Recurrences Following 2<sup>nd</sup> Breast Conserving Surgery with Intraoperative Radiotherapy.*

**Whalen II, William**, M.S., Biostatistics and Data Science. Advisor: Kathy Zhou. **Thesis:** *Acute Respiratory Distress Syndrome (ARDS).*

# Masters of Science

August 31, 2022 (continued)

**Wu, Tai**, M.S., Health Policy and Economics. Advisor: Arian Jung. **Thesis:** *The Prevalence of Non-Elderly Nursing Home Residents and the Characteristics and Quality of the Facilities in which They Reside.*

**Xiao, Fengdi**, M.S., Health Policy and Economics. Advisor: Mark Weiner. **Thesis:** *Exploring Heterogeneity in Patient Cohorts Across Institutions Despite Applications of a Common Data Model.*

**Yang, Shuo**, M.S., Health Informatics. Advisor: Yunyu Xiao. **Thesis:** *GeoAI and Social Determinants of Mental Health in the Pre and Post-COVID-19 Era.*

**Yen, Shen-Yu**, M.S., Health Informatics. Advisor: Tom Champion. **Thesis:** *Natural Language Processing of Genes to Enable Precision Medicine Research.*

**Yu, Zilong**, M.S., Biostatistics and Data Science. Advisor: Samprit Banerjee. **Thesis:** *What Causes People's Psychological Issues and Whether There is Some Causal Relationship that May or May Not Influence the Outcome of a Patient's Psychological Behavior.*

**Yue, Selena**, M.S., Health Policy and Economics. Advisor: Jing Li. **Thesis:** *Utilization of Advance Care Planning Billing Codes in Medicare.*

**Zale, Elizabeth Areti**, M.S., Immunology and Microbial Pathogenesis. Advisor: Morgan Huse.

**Zhang, Shurui**, M.S., Health Policy and Economics. Advisor: Amy Bond. **Thesis:** *Physician, Practice, and Market Characteristics of Primary Care First Participants.*

**Zhang, Xinyue**, M.S., Health Informatics. Advisor: Braja Patra. **Thesis:** *Advancing Dataset Recommendation System Using Deep Learning Techniques.*

**Zhang, Yike**, M.S., Biostatistics and Data Science. Advisor: Paul Christos. **Thesis:** *Impact of High-Sensitivity Cardiac Troponin Implementation on Emergency Department Length of Stay, Testing, Admissions, and Diagnoses.*

**Zhang, Yuxin**, M.S., Biostatistics and Data Science. Advisor: Samprit Banerjee. **Thesis:** *Optimized Treatment Decision to Triage Patients into Most Beneficial Psychotherapeutic Treatment.*

**Zhu, Jin**, M.S., Biostatistics and Data Science. Advisor: Samprit Banerjee. **Thesis:** *Recovery Outcomes After COVID-19 Hospitalization Among Patients with Chronic Gastrointestinal or Hepatic Conditions.*

**Zhu, Yanruyu**, M.S., Biostatistics and Data Science. Advisor: Oleks Savenkov. **Thesis:** *Under Time-to-Event Outcome, Seeking for New Improvements on Biomarker Identification Process without Assuming Proportional Hazard Condition.*

December 31, 2022

**Choi, Namsun**, MS, Health Policy and Economics. Advisor: Jing Li. **Thesis:** *The Effect of Stay-At-Home Order on Older Adults' Loneliness and Cognitive Health during COVID-19: A Retrospective Observational Study.*

**DiLoreto, Rose Everest**, MS, Tri-I Program in Computational Biology & Medicine. Advisor: Christina Leslie.

**Kamiya, Erina**, MS, Physiology, Biophysics and Systems Biology. Advisor: Ashley Laughney.

**Shin, Hakyong**, MS, Health Policy and Economics. Advisor: Jiani Yu. **Thesis:** *Telehealth Use for Patients with Alzheimer's Disease and Related Dementias.*

May 18, 2023

**Abboud, Carlos**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Amin, Naushad**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Armanious, Peter Rafaat**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Barlick, Ella Rose**, M.S., Health Sciences for Physician Assistants. Advisors: Stephen T. Chasen, Gary Bouchard, and Gerard Marciano. **Thesis:** *A Clinical Approach to the Gut Microbial Discrepancies of Cesarean Delivered Infants.*

**Belz, Alyson**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Bradley, Rashida Malcolm**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Briseno, Vanessa Pena**, M.S., Health Sciences for Physician Assistants. Advisors: Jonathan Zippin, Gary Bouchard, and Gerard Marciano. **Thesis:** *What Prognostic Factors Impact Acral Lentiginous Melanoma Survival?*

**Brisson, Sofia**, M.S., Health Sciences for Physician Assistants. Advisors: Rasa Zarnegar, Gary Bouchard, and Gerard Marciano. **Thesis:** *Tamsulosin as a Preventive Measure Against Post-Operative Urinary Retention in the Preoperative and Postoperative Setting.*

**Bufano, Ashley**, M.S., Health Sciences for Physician Assistants. Advisors: Kelly Porta, Gary Bouchard, and Gerard Marciano. **Thesis:** *Celiac Disease Mass Screening through Point-of-care Testing Among Children in the United States.*

**Burke, Alana Catherine**, M.S., Health Sciences for Physician Assistants. Advisors: Susan Samuels, Gary Bouchard, and Gerard Marciano. **Thesis:** *The Effects of Psychostimulants on Body Mass Index in Children with Attention Deficit - Hyperactivity Disorder.*

**Cavanaugh, Breanna Nicole**, M.S., Health Sciences for Physician Assistants. Advisors: Carol Mancuso, Gary Bouchard, and Gerard Marciano. **Thesis:** *A Real Pain in the Brain: A Review and Proposed Research Study on the Consequences and Clinical Progression of Neurological Excitation-Inhibition Imbalance in Fibromyalgia Patients.*

**Chao, Max Longhao**, M.S., Computational Biology. Advisors: Melissa Davis and Marcin Imielinski. **Thesis:** *Identification and Characterization of Complex Structural Variants in a Triple Negative Enriched Breast Cancer Cohort of African Ancestry.*

# Masters of Science

May 18, 2023 (continued)

**Chen, Kelly**, M.S., Health Sciences for Physician Assistants. Advisors: Veronica LoFaso, Gary Bouchard, and Gerard Marciano. **Thesis:** *The Use of Oral Collagen Supplementation in Preventing Pressure Injuries and Improving Skin Quality in Older Patients.*

**Chen, Qianxue**, M.S., Health Informatics. Advisor: Yiye Zhang. **Thesis:** *Referral Optimization.*

**Chung, Andrew Howard**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Cifu, Gabriella Nicole**, M.S., Health Sciences for Physician Assistants. Advisors: Deborah Haisch, Gary Bouchard, and Gerard Marciano. **Thesis:** *Morbidity and Mortality Outcomes of Tele-Intensivist Managed Adult Patients Presenting to Community with Acute Respiratory Distress Syndrome Hospitals Requiring Extracorporeal Membrane Oxygenation.*

**Clark, West Kenya**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Cleveland, Kyndra C.**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Cuenin, Taylor MacLean**, M.S., Health Sciences for Physician Assistants. Advisors: Sam Senturia, Gary Bouchard, and Gerard Marciano. **Thesis:** *A Systematic Review and Proposed Research Study on Healthcare Provider Burnout in Emergency Medicine Amidst the COVID-19 Pandemic.*

**Deards, Gabriel Matthew**, M.S., Computational Biology. Advisors: Jan Krumsiek and Christopher Mason. **Thesis:** *Identifying Novel Neuro-Immune Metabolomic Signatures from ROS/MAP Brain Samples Using Deconvoluted Cell Counts.*

**Dempsey, Kaitlin Emily**, M.S., Health Sciences for Physician Assistants. Advisors: Alexander Merkler, Gary Bouchard, and Gerard Marciano. **Thesis:** *The Use of the Oral Prostaglandin Analog Misoprostol in the Management of Lumbar Spinal Stenosis.*

**Dewberry, Montana Marie**, M.S., Health Sciences for Physician Assistants. Advisors: Brandon Aden, Gary Bouchard, and Gerard Marciano. **Thesis:** *Mobile Telemedicine Buprenorphine Clinics: An Opportunity to Reach People Experiencing Homelessness in Urban Areas.*

**Dinowitz, Lindsay Nicole**, M.S., Health Sciences for Physician Assistants. Advisors: Peter Fabricant, Gary Bouchard, and Gerard Marciano. **Thesis:** *The Long-Term Effects of the Female Athlete Triad on Bone Health Post-Menopause.*

**Discenza, Gillian Caterina**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Dor, Christopher Ryan**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Dragon, Jordan Elizabeth**, M.S., Health Sciences for Physician Assistants. Advisors: Sam Senturia, Gary Bouchard, and Gerard Marciano. **Thesis:** *Morbidity and Mortality Benefits of Hypotensive Resuscitation in the Treatment of Hemorrhagic Shock Secondary to Penetrating Trauma.*

**Engman, Eric David**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Evans, Lynley Grace**, M.S., Health Sciences for Physician Assistants. Advisors: Lea Lowenfeld, Gary Bouchard, and Gerard Marciano. **Thesis:** *Prehabilitation: The New Standard of Care for Frail Patients Undergoing Elective Colorectal Surgery.*

**Eyassu, Meraf**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Faron, Arisa Ananda**, M.S., Health Sciences for Physician Assistants. Advisors: Amy Hoffman, Gary Bouchard, and Gerard Marciano. **Thesis:** *Micro-Dosing Psilocybin for the Treatment of Newly Diagnosed Depression.*

**Fei, Tongyi Phoebe**, M.S., Computational Biology. Advisors: Douglas Nixon, Matthew Bendall, and Ashley Laughney. **Thesis:** *Human Endogenous Retroviruses Profiling in Metastatic Uveal Melanoma.*

**Fellows, Emma Lauren**, M.S., Health Sciences for Physician Assistants. Advisors: Jonathan Zipping, Gary Bouchard, and Gerard Marciano. **Thesis:** *Alternative and Homeopathic Remedies for the Treatment of Acne Vulgaris, Specifically the Effects of Dairy Products, Their Hormones, and Their Role in Acne Potentiation.*

**Foley, Michael**, M.S., Health Sciences for Physician Assistants. Advisors: Joshua Dines, Gary Bouchard, and Gerard Marciano. **Thesis:** *Evaluation of the Psychological Role in Contralateral ACL Tears After Primary Anterior Cruciate Ligament Reconstruction in Athletes.*

**Friedman, Sara**, M.S., Health Sciences for Physician Assistants. Advisors: Devika Gajria, Gary Bouchard, and Gerard Marciano. **Thesis:** *The Use of High Dose Vitamin D Supplementation in the Prevention of Colorectal Cancer and its Precursor Lesions.*

**Froehlich, Gabrielle Casey**, M.S., Health Sciences for Physician Assistants. Advisors: Ravi Sharaf, Gary Bouchard, and Gerard Marciano. **Thesis:** *Lifetime Risk Assessment of Colorectal Cancer in Individuals with Hereditary CRC-Associated Syndromes.*

**García-Rosa, Moisés**, M.S., Clinical and Translational Investigation. Advisors: Jaap-Jan Boelens, Paul Christos, and Audrey Mauguen. **Thesis:** *Association Between Regulatory T-cell Immune Reconstitution and Survival Outcomes in Pediatric Patients with or without Graft-versus-Host Disease After Hematopoietic Stem Cell Transplant: Retrospective Analysis at Memorial Sloan Kettering Cancer Center.*

# Masters of Science

May 18, 2023 (continued)

**Ghosh, Arnab Kumar**, M.S., Clinical and Translational Investigation. Advisors: Martin Shapiro, Jessica Ancker, and Martin Wells. **Thesis:** *Racial/Ethnic and Socioeconomic Disparities in Length of Stay Related to CMS Value-Based Payment Models.*

**Gopalan, Aditi**, M.S., Computational Biology. Advisors: Nikolaus Schultz and Michael Berger. **Thesis:** *reVUE: Repository for Variants with Unexpected Effects.*

**Groner, Lauren Kriger**, M.S., Clinical Epidemiology & Health Services Research. Advisors: Rulla Tamimi and Eric Phillips. **Thesis:** *Barriers to Early Detection and Insights into Social Determinants of Incident Lung Cancer.*

**Halldin, Kathryn Lyall**, M.S., Health Sciences for Physician Assistants. Advisors: David P. Hajjar, Gary Bouchard, and Gerard Marciano. **Thesis:** *Barriers to Healthcare For Adults With Autism Spectrum Disorder.*

**Heras Barros, Andrea Fernanda**, M.S., Clinical and Translational Investigation. Advisors: Stefan Worgall and Karen Onel. **Thesis:** *Impaired Sphingolipid Synthesis and Childhood Asthma.*

**Hunter, Rachel Suzanne**, M.S., Health Sciences for Physician Assistants. Advisors: Douglas Mintz, Gary Bouchard, and Gerard Marciano. **Thesis:** *The Use of Preoperative Bone Density as a Possible Predictor of Clinical and Functional Outcomes of Total Ankle Arthroplasty.*

**Idowu, Oluwatobi Olalekan**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Imberg-Kazdan, Keren**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Jenkins, Marley**, M.S., Health Sciences for Physician Assistants. Advisors: Devika Gajria, Gary Bouchard, and Gerard Marciano. **Thesis:** *Serum Biomarkers: The Future of Ovarian Cancer Screening to Reduce Mortality in Average Risk Patients.*

**Johnston, Megan Anne**, M.S., Health Sciences for Physician Assistants. Advisors: Katherine Amberson Hajjar, Gary Bouchard, and Gerard Marciano. **Thesis:** *A Neurocognitive and Exercise Based Video Game as an Alternative Intervention for Children with Attention Deficit Hyperactivity Disorder.*

**Joseph, Yvetot**, M.S., Clinical Epidemiology & Health Services Research. Advisors: Kathryn Dupnik and Daniel Fitzgerald. **Thesis:** *Survival and Recurrent Tuberculosis in People with HIV and a History of One Episode of Tuberculosis.*

**Kapoor, Mitchell**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Kim, Susie**, M.S., Computational Biology. Advisors: Nikolaus Schultz and Michael Berger. **Thesis:** *Programmatic Extraction of Smoking History from Electronic Health Records.*

**Koenig, Sean William**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Kottapalli, Sanjay Venkata**, M.S., Computational Biology. Advisors: Daniel Landau and Christina Leslie. **Thesis:** *Tumor Microenvironment of Non-Small Cell Lung Cancer Brain Metastases.*

**Kuruville, Shaiju**, M.S., Health Sciences for Physician Assistants. Advisors: Gerard Marciano, Gary Bouchard, and Maria Compte. **Thesis:** *Preventing Catheter Associated Urinary Tract Infection in Patients with Chronic Indwelling Catheter Using Antimicrobial Prophylaxis.*

**Kushner, Rita Mary**, M.S., Health Sciences for Physician Assistants. Advisors: Amy Hoffman, Gary Bouchard, and Gerard Marciano. **Thesis:** *The Efficacy and Safety of Intravenous Ketamine Use for the Treatment of Acute Suicidality in Treatment Resistant Bipolar Disorder.*

**Lalor, Joseph Donald**, M.S., Health Sciences for Physician Assistants. Advisors: Kelly Porta, Gary Bouchard, and Gerard Marciano. **Thesis:** *Utilizing Procalcitonin to Reduce Antibiotic Exposure in the Pediatric Intensive Care Unit.*

**Leung, Rick Adam**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Lewis, Megan Ruth**, M.S., Health Sciences for Physician Assistants. Advisors: Susan Samuels, Gary Bouchard, and Gerard Marciano. **Thesis:** *A Systematic Review and Proposed Study on the Implementation of Mental Health Teletherapy for Pediatric Patients with Inflammatory Bowel Disease.*

**Lewis, Miranda M'Kayl**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Liang, Yingshi**, M.S., Computational Biology. Advisors: Alexandros Sigaras and Nikica Zaninovic. **Thesis:** *StorkXR: 3D Reconstruction of Confocal Time-Lapse Blastocyst Images in Mixed Reality.*

**Lin, Karen**, M.S., Health Informatics. Advisor: Yiye Zhang. **Thesis:** *Referral Optimization.*

**LoBrutto, Rosario**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Melser Fishman, Amy**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Mikov, Predrag**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Misch, Peter Michael**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Mora, Alessandro**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Morrissey, Mary Breda**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Ng, Robert**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Nia, Hamid Ehsani**, Executive M.B.A., M.S., Healthcare Policy and Research.



# Masters of Science

May 18, 2023 (continued)

**Nichols, Kortney Leigh**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Niño, Itzel**, M.S., Health Informatics. Advisor: Yiye Zhang. **Thesis:** *Referral Optimization*.

**Okesanya, Adesuwa Ruby**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Opara, Linda A.**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Peitz, Christian**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Peralta, Lia Vanessa**, M.S., Health Sciences for Physician Assistants. Advisors: Stephen T. Chasen, Gary Bouchard, and Gerard Marciano. **Thesis:** *Study the Effect of Maternal Vaginal Microbiota Exposure and its Possible Causal Effect on the Development of Ig-E Mediated Diseases*.

**Phan, Vernon T.**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Pierce, Michael James**, M.S., Health Sciences for Physician Assistants. Advisors: Alexander Merkler, Gary Bouchard, and Maria Compte. **Thesis:** *Ketogenic Diet as Adjuvant Therapy in Patients with Newly Diagnosed Glioblastoma Multiforme Undergoing the Current Standard of Treatment*.

**Putnam, Jeffrey Michael**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Racanello, Amy Michael**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Rackleff, Durward Charles**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Rai, Jaspreet Kaur**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Rajagopalan, Vidya**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Reiche, Robert Joseph**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Reynoso, Vanessa Andrea**, M.S., Health Sciences for Physician Assistants. Advisors: Christopher Starr, Gary Bouchard, and Maria Compte. **Thesis:** *The Role of Anti-Vascular Endothelial Growth Factor Medications in Proliferative Diabetic Retinopathy*.

**Salisu, Margaret Abiodun**, M.S., Clinical Epidemiology & Health Services Research. Advisor: Carla Boutin-Foster. **Thesis:** *A Health Equity Perspective to Examining Chronic Health Conditions: A Study of Cardiovascular Disease Among African Americans with Serious Mental Illness and Community Perceptions of Health Equity*.

**Salzone, Nicole Marie**, M.S., Health Sciences for Physician Assistants. Advisors: Joseph F. Murray, Gary Bouchard, and Gerard Marciano. **Thesis:** *Food for Thought: Using a Nutrient-Dense Diet as Management for Mild Major Depressive and Generalized Anxiety Disorders*.

**Sandner, Sigrid**, M.S., Clinical Epidemiology & Health Services Research. Advisor: Mario Gaudino. **Thesis:** *Dual Antiplatelet Therapy with Ticagrelor After Coronary Artery Bypass Surgery*.

**Santomenna, Julia**, M.S., Health Sciences for Physician Assistants. Advisors: Devika Gajria, Gary Bouchard, and Gerard Marciano. **Thesis:** *Vitamin D Status & Risk of Breast Cancer Recurrence: A Systematic Review & Proposed Research Study*.

**Scioletti, Olivia**, M.S., Health Sciences for Physician Assistants. Advisors: Harsimran Singh, Gary Bouchard, and Gerard Marciano. **Thesis:** *Amplatzer Amulet Versus Watchman-FLX Device for Percutaneous Left Atrial Appendage Occlusion*.

**Sen, Milan**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Singh, Anup K.**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Solyom, Alpar**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Stroman, Edward**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Subramanian, Kritika**, M.S., Clinical and Translational Investigation. Advisors: Trisha Youn, Sean Nicholsan, and Joseph Osborne. **Thesis:** *Patient Demographics of Cardiac FDG-PET Performed at a Single-Institution in New York City*.

**Synborski, Elisa**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Tessitore, Alison A.**, M.S., Health Sciences for Physician Assistants. Advisors: Jonathan Zippin, Gary Bouchard, and Gerard Marciano. **Thesis:** *The Effects of Continued Retinol Use in Fitzpatrick Skin Types IV to VI*.

**Tong, Thao Phuong**, M.S., Health Sciences for Physician Assistants. Advisors: Raymond Pastore, Gary Bouchard, and Gerard Marciano. **Thesis:** *The Optimization of Thromboprophylaxis Initiation Timeline in Pregnant Patients at High Risk For Venous Thromboembolism*.

**Treglia, Christiana**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Varela, Austin Alves**, M.S., Computational Biology. Advisors: Ashley Laughney and Jan Krumsiek. **Thesis:** *Exploiting Intrinsic Cellular Heterogeneity to Profile Cellular Transcriptional Responses*.

**Vel, Kavitha**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Walsh, Courtney Jean**, M.S., Health Sciences for Physician Assistants. Advisors: Inna Landres, Gary Bouchard, and Gerard Marciano. **Thesis:** *The Use of Levonorgestrel-Releasing Intrauterine Systems as Primary Prevention for Endometrial Cancer in High-Risk Populations*.

# Masters of Science

May 18, 2023 (continued)

**Wang, Yohyoh**, M.S., Computational Biology. Advisors: Daniel Landau and Marcin Imielinski. **Thesis:** *De novo Read Depth Classifier for Tumor Burden Monitoring and Early Cancer Detection in Cell-free DNA.*

**White, Pascale Marthe**, Executive M.B.A., M.S., Healthcare Policy and Research.

**White, Robert Samuel**, M.S., Clinical Epidemiology & Health Services Research. Advisors: Hugh Hemmings and Kane Pryor. **Thesis:** *Disparities in Obstetrical Anesthesia.*

**Willian, Paige**, M.S., Health Sciences for Physician Assistants. Advisors: Joseph Murray, Gary Bouchard, and Gerard Marciano. **Thesis:** *The Gut-Brain-Behavior Axis and Psychiatry: A Systematic Review and Proposed Study on the Impact of Probiotic Supplementation on Symptoms of Bipolar Disorder.*

**Wilson, Tiffany**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Winston, Kerri D.**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Witkin, Lisa Rochelle**, M.S., Clinical Epidemiology & Health Services Research. Advisors: Hugh Hemmings and Kane Pryor. **Thesis:** *Enhancing Chronic Pain Management Through Patient Reported Outcomes: A Qualitative Analysis of Physician Perspectives and Quantitative Analysis of a Multidisciplinary Spine Center Registry.*

**Wright, Alexis Michelle**, M.S., Health Sciences for Physician Assistants. Advisors: Siddiqi Asad, Gary Bouchard, and Maria Compte. **Thesis:** *Implementing the Use of a Decision Aid in Black Women with Knee Osteoarthritis to Increase Total Knee Arthroplasty Utilization.*

**Yu, Gefei**, M.S., Computational Biology. Advisors: Christina Leslie and Andrea Ventura. **Thesis:** *An Investigation into How the Deletion of SMARCE1 in T6B Expressing Cells Negates T6B-dependent Radiosensitivity Using ATAC-seq and RNA-seq.*

**Zwanger, Elyse Michelle**, Executive M.B.A., M.S., Healthcare Policy and Research.

**Zychowski, Steven**, Executive M.B.A., M.S., Healthcare Policy and Research.

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August 31, 2023\*\*

**Alamgir, Maham**, M.S., Health Sciences for Physician Assistants. Advisors: Stefan Worgall, Gary Bouchard, and Gerard Marciano. **Thesis:** *Implementing Strategies to Improve Asthma Severity in Pediatric Patients with Low Socioeconomic Status: A New York City Based Study.*

**Alqahtani, Sara Hassan M.**, M.S., Health Policy and Economics. Advisor: Beth McGinty. **Thesis:** *Assessing How Mergers and Acquisitions of Behavioral Health Organizations Affect the U.S. Mental Health and Substance Use Disorder Treatment Workforce.*

**Apostol, Viviane Cen**, M.S., Health Policy and Economics. Advisor: Mark Unruh. **Thesis:** *Growth in Medicare Advantage Enrollment and Access to Post-Acute Care in Skilled Nursing Facilities.*

**Bartlett, Kelly Lin**, M.S., Health Informatics. Advisor: Chengxi Zang. **Thesis:** *Data Science Approaches to Understanding the Resolution of Fibrosis.*

**Bhattacharya, Ayush**, M.S., Biostatistics and Data Science. Advisor: Kathy Zhou. **Thesis:** *Real World Evidence Team.*

**Bhimani, Pranav**, M.S., Biostatistics and Data Science. Advisor: Samprit Banerjee. **Thesis:** *Clinical Characteristics of Mothers who are Experiencing Postpartum Mood Difficulties in a Retrospective Analysis of EHR Data.*

**Cardona, Angelyse Joy**, M.S., Health Policy and Economics. Advisor: Sze Liu. **Thesis:** *Understanding and Advancing Menstrual Equity in New York City.*

**Chen, Ziwei**, M.S., Biostatistics and Data Science. Advisor: Zhengming Chen. **Thesis:** *Testing and Calibration of Low-Cost Air Pollution Monitoring Devices.*

**Cheng, Jiayue**, M.S., Biostatistics and Data Science. Advisor: Wodan Ling. **Thesis:** *Comparing Transcriptomic Signature of Single- and Clustered-Circulating Tumor Cells (CTCs) from Various Tumor Origins.*

**Cheng, Shuyan**, M.S., Health Informatics. Advisor: Mark Weiner. **Thesis:** *Human-AI Interaction Evaluation for Product Design and Safety.*

**Cheng, Zhengpei**, M.S., Health Informatics. Advisor: Mark Weiner. **Thesis:** *Understanding the Scope of Future Looking Statements.*

**Costa Pimentel, Eric**, M.S., Health Policy and Economics. Advisor: Beth McGinty. **Thesis:** *Assessing How Mergers and Acquisitions of Behavioral Health Organizations Affect the U.S. Mental Health and Substance Use Disorder Treatment Workforce.*

**Dai, Yinglin**, M.S., Biostatistics and Data Science. Advisor: Samprit Banerjee. **Thesis:** *Clinical Characteristics of Mothers who are Experiencing Postpartum Mood Difficulties in a Retrospective Analysis of EHR Data.*

**Daiter, Maya Julia**, M.S., Health Informatics. Advisor: Yiye Zhang. **Thesis:** *Supporting Personalized Pregnancy Care using Artificial Intelligence.*

**Dang, Taylor Minh**, M.S., Health Informatics. Advisor: Sze Liu. **Thesis:** *Understanding and Advancing Menstrual Equity in New York City.*

**DiMari, Connie L.**, M.S., Health Policy and Economics. Advisor: Druv Khullar. **Thesis:** *Physician Perspective: The Unintended Consequences of Value-Based Payment Programs.*

**Dong, Jing**, M.S., Health Informatics. Advisor: Mark Weiner. **Thesis:** *Educational Platform for Early Gastric Cancer and Use of AI.*

# Masters of Science

August 31, 2023\*\* (continued)

**Dong, Xiangning**, M.S., Biostatistics and Data Science. Advisor: Kathy Zhou. **Thesis:** *Exploration of Predictive Value of Tumor Mutational Burden and Cancer Type Interaction.*

**Ebubeogu, Amarachukwu Felix**, M.S., Health Informatics. Advisor: Ali Jalali. **Thesis:** *Adult Attitudinal Survey Redesign for 2022/23.*

**Gong, Yifan**, M.S., Health Policy and Economics. Advisor: Mark Unruh. **Thesis:** *Growth in Medicare Advantage Enrollment and Access to Post-Acute Care in Skilled Nursing Facilities.*

**Gould, Collette Nicole**, M.S., Health Sciences for Physician Assistants. Advisors: Veronica LoFaso, Gary Bouchard, and Gerard Marciano. **Thesis:** *The Impact of Physical Activity on Alzheimer's Disease Onset and Rate of Decline.*

**Guan, Dian**, M.S., Health Informatics. Advisor: Mark Weiner. **Thesis:** *Understanding the Scope of Future Looking Statements.*

**Guo, Jiayi**, M.S., Biostatistics and Data Science. Advisor: Karla Ballman. **Thesis:** *Essential Hypotension and Comorbidities.*

**Hu, Jiefei**, M.S., Biostatistics and Data Science. Advisor: Zhengming Chen. **Thesis:** *Testing and Calibration of Low-Cost Air Pollution Monitoring Devices.*

**Hu, Zixuan**, M.S., Health Informatics. Advisor: Mark Weiner. **Thesis:** *Human-AI Interaction Evaluation for Product Design and Safety.*

**Huang, Hsiang-Ching**, M.S., Health Policy and Economics. Advisor: Shashi Kapadia. **Thesis:** *Trends in Incidence of Serious Injection Related Infections and Associated Hospital Costs in New York State from 2015-2018.*

**Hulchafo, Ismael Ibrahim**, M.S., Health Informatics. Advisor: Mark Weiner. **Thesis:** *Educational Platform for Early Gastric Cancer and Use of AI.*

**Jiang, Huijie**, M.S., Health Policy and Economics. Advisor: Mark Weiner. **Thesis:** *Human-AI Interaction Evaluation for Product Design and Safety.*

**Khandare, Prachi Dronacharya**, M.S., Health Informatics. Advisor: Marianne Sharko. **Thesis:** *Patient Privacy and Trust in the Setting of Increased Access to Electronic Health Information.*

**Kim, Royoung**, M.S., Health Informatics. Advisor: Kathy Zhou. **Thesis:** *Identify the Influence of Provocative Contents on Social Media to Adolescents and Young Adults Causing Post-Traumatic Stress Disorder (PTSD).*

**Kwon, Minhee**, M.S., Biostatistics and Data Science. Advisor: Samprit Banerjee. **Thesis:** *Clinical Characteristics of Mothers who are Experiencing Postpartum Mood Difficulties in a Retrospective Analysis of EHR Data.*

**Lee, Seung Yon**, M.S., Health Policy and Economics. Advisor: Beth McGinty. **Thesis:** *Developing Policy Recommendations to Incentivize Vaccine Development for Pregnancy and Early Life.*

**Lei, Wann**, M.S., Biostatistics and Data Science. Advisor: Kathy Zhou. **Thesis:** *Optimal Bayesian Pick-the-Winner Design for Phase II Clinical Trials.*

**Li, Qilu**, M.S., Health Informatics. Advisor: Chengxi Zang. **Thesis:** *Data Science Approaches to Understanding the Resolution of Fibrosis.*

**Li, Wenlan**, M.S., Health Policy and Economics. Advisor: Chengxi Zang. **Thesis:** *Data Science Approaches to Understanding the Resolution of Fibrosis.*

**Li, Wentao**, M.S., Biostatistics and Data Science. Advisor: Arindam RoyChoudhury. **Thesis:** *Refining a Distributed Language Model to Address Named Entity Recognition in Scholarly Content.*

**Li, Xinrui**, M.S., Health Policy and Economics. Advisor: Yiye Zhang. **Thesis:** *Influence of Virtual Postpartum Support on Maternal Mental Health Outcomes.*

**Li, Yaoting**, M.S., Health Informatics. Advisor: Mark Weiner. **Thesis:** *Understanding the Scope of Future Looking Statements.*

**Liu, Baikang**, M.S., Health Policy and Economics. Advisor: Yiye Zhang. **Thesis:** *Influence of Virtual Postpartum Support on Maternal Mental Health Outcomes.*

**Liu, Hanyu**, M.S., Biostatistics and Data Science. Advisor: Arindam RoyChoudhury. **Thesis:** *Refining a Distributed Language Model to Address Named Entity Recognition in Scholarly Content.*

**Liu, Haotian**, M.S., Biostatistics and Data Science. Advisor: Oleksandr Savenkov. **Thesis:** *Classifying Privacy Risks in EHR Unstructured Clinical Note Sharing through NLP.*

**Liu, Panyi**, M.S., Biostatistics and Data Science. Advisor: Kathy Zhou. **Thesis:** *Tumor Growth Measurement Patterns on Treatment Effects Assessment.*

**Liu, Xuyang**, M.S., Biostatistics and Data Science. Advisor: Arindam RoyChoudhury. **Thesis:** *Refining a Distributed Language Model to Address Named Entity Recognition in Scholarly Content.*

**Liu, Yafei**, M.S., Health Policy and Economics. Advisor: Will Schpero. **Thesis:** *Benefits of the New York Health Act for New York Assembly District 30.*

**Liu, Yijia**, M.S., Biostatistics and Data Science. Advisor: Wodan Ling. **Thesis:** *Comparing Transcriptomic Signature of Single- and Clustered-Circulating Tumor Cells (CTCs) from Various Tumor Origins.*

**Liu, Yuan**, M.S., Health Informatics. Advisor: Marianne Sharko. **Thesis:** *Patient Privacy and Trust in the Setting of Increased Access to Electronic Health Information.*

**Masri, Yasmeen**, M.S., Health Policy and Economics. Advisor: Jialin Mao. **Thesis:** *Project CHANGE by LT: Community-based Health Action Network to Generate Trial Participation and Eliminate Disparities.*

**Masselink, Stefan**, M.S., Health Policy and Economics. Advisor: Will Schpero. **Thesis:** *Benefits of the New York Health Act for New York Assembly District 30.*

# Masters of Science

August 31, 2023\*\* (continued)

**Otanez, Nathanael**, M.S., Health Policy and Economics. Advisor: Beth McGinty. **Thesis:** *Assessing How Mergers and Acquisitions of Behavioral Health Organizations Affect the U.S. Mental Health and Substance Use Disorder Treatment Workforce.*

**Pan, Zhengyi**, M.S., Health Informatics. Advisor: Yiye Zhang. **Thesis:** *Influence of Virtual Postpartum Support on Maternal Mental Health Outcomes.*

**Rahman, Saanjaana**, M.S., Biostatistics and Data Science.

**Rui, Yuxiao**, M.S., Biostatistics and Data Science. Advisor: Wodan Ling. **Thesis:** *Comparing Transcriptomic Signature of Single- and Clustered-Circulating Tumor Cells (CTCs) from Various Tumor Origins.*

**Shen, Jiayuan**, M.S., Health Policy and Economics. Advisor: Marianne Sharko. **Thesis:** *Patient Privacy and Trust in the Setting of Increased Access to Electronic Health Information.*

**Shi, Zhan**, M.S., Biostatistics and Data Science. Advisor: Arindam RoyChoudhury. **Thesis:** *Refining a Distributed Language Model to Address Named Entity Recognition in Scholarly Content.*

**Smith, Ellen Michelle**, M.S., Health Informatics. Advisor: Mark Weiner. **Thesis:** *Understanding the Scope of Future Looking Statements.*

**Tan, Wenchy Yik Yin**, M.S., Health Policy and Economics. Advisor: Sri Lehka Tummalapalli. **Thesis:** *Racial, Ethnic, and Gender Disparities in Patients Admitted for Heart Failure and Chronic Kidney Disease Using the Nationwide Inpatient Sample Database.*

**Thakkar, Priyal**, M.S., Biostatistics and Data Science. Advisor: Karla Ballman. **Thesis:** *Essential Hypotension and Comorbidities.*

**Tseng, Wei-Hsuan**, M.S., Health Policy and Economics. Advisor: Shashi Kapadia. **Thesis:** *Trends in Incidence of Serious Injection Related Infections and Associated Hospital Costs in New York State from 2015-2018.*

**Wang, Xuesi**, M.S., Health Policy and Economics. Advisor: Beth McGinty. **Thesis:** *Developing Policy Recommendations to Incentivize Vaccine Development for Pregnancy and Early Life.*

**Wang, Zixu**, M.S., Health Policy and Economics. Advisor: Beth McGinty. **Thesis:** *Assessing How Mergers and Acquisitions of Behavioral Health Organizations Affect the U.S. Mental Health and Substance Use Disorder Treatment Workforce.*

**Wu, Jiaxuan**, M.S., Biostatistics and Data Science. Advisor: Oleksandr Savenkov. **Thesis:** *Classifying Privacy Risks in EHR Unstructured Clinical Note Sharing Through NLP.*

**Wu, Peizi**, M.S., Biostatistics and Data Science. Advisor: Wenna Xi. **Thesis:** *Identifying Factors Associated with US Adolescents' Behaviors and Experiences during COVID-19 Using LASSO Regression on Complex Survey Data.*

**Wu, Xia**, M.S., Health Informatics. Advisor: Jialin Mao. **Thesis:** *Project CHANGE by LT: Community-based Health Action Network to Generate Trial Participation and Eliminate Disparities.*

**Xu, Sirui**, M.S., Biostatistics and Data Science. Advisor: Kathy Zhou. **Thesis:** *Tumor Growth Measurement Patterns on Treatment Effects Assessment.*

**Yao, Zewei**, M.S., Health Policy and Economics. Advisor: Mark Weiner. **Thesis:** *Human-AI Interaction Evaluation for Product Design and Safety.*

**Yu, Chenchen**, M.S., Health Informatics. Advisor: Yunyu Xiao. **Thesis:** *Investigating Genetic, Lifestyle, and Social Determinants of Causes and Consequences of Suicide Attempts and Psychiatric Conditions in the NIH All of Us Research.*

**Zhang, Menghan**, M.S., Biostatistics and Data Science. Advisor: Wodan Ling. **Thesis:** *Comparing Transcriptomic Signature of Single- and Clustered-Circulating Tumor Cells (CTCs) from Various Tumor Origins.*

**Zhang, Qinghe**, M.S., Health Policy and Economics. Advisor: Will Schpero. **Thesis:** *Benefits of the New York Health Act for New York Assembly District 30.*

**Zhang, Wenxiao**, M.S., Health Informatics. Advisor: Ali Jalali. **Thesis:** *Adult Attitudinal Survey Redesign for 2022/23.*

**Zhang, Xiaolue**, M.S., Health Informatics. Advisor: Yunyu Xiao. **Thesis:** *Investigating Genetic, Lifestyle, and Social Determinants of Causes and Consequences of Suicide Attempts and Psychiatric Conditions in the NIH All of Us Research.*

**Zhang, Yifan**, M.S., Health Informatics. Advisor: Mark Weiner. **Thesis:** *Educational Platform for Early Gastric Cancer and Use of AI.*

**Zhang, Yutong**, M.S., Health Policy and Economics. Advisor: Jiani Yu. **Thesis:** *Changes in Nursing Home Staff Turnover during the COVID-19 Pandemic.*

**Zhang, Ziwen**, M.S., Biostatistics and Data Science. Advisor: Arindam RoyChoudhury. **Thesis:** *Refining a Distributed Language Model to Address Named Entity Recognition in Scholarly Content.*

**Zhen, Yuhe**, M.S., Health Policy and Economics. Advisor: Yiye Zhang. **Thesis:** *Influence of Virtual Postpartum Support on Maternal Mental Health Outcomes.*

**Zheng, Haiyu**, M.S., Health Policy and Economics. Advisor: Yiye Zhang. **Thesis:** *Supporting Personalized Pregnancy Care Using Artificial Intelligence.*

**Zhong, Ningxi**, M.S., Health Policy and Economics. Advisor: Mark Unruh. **Thesis:** *Growth in Medicare Advantage Enrollment and Access to Post-Acute Care in Skilled Nursing Facilities.*

**Zhong, Ruijie**, M.S., Biostatistics and Data Science. Advisor: Karla Ballman. **Thesis:** *Essential Hypotension and Comorbidities.*

# Masters of Science

August 31, 2023\*\* (continued)

**Zhou, Xueqing**, M.S., Biostatistics and Data Science.  
Advisor: Wenna Xi. **Thesis:** *Trends of Risk Factors for Black Youth Suicidality from 1991-2019.*

**Zhou, Yiliang**, M.S., Health Informatics. Advisor: Yiye Zhang. **Thesis:** *Supporting Personalized Pregnancy Care Using Artificial Intelligence.*

**Zhou, Yuhan**, M.S., Health Policy and Economics. Advisor: Mark Weiner. **Thesis:** *Educational Platform for Early Gastric Cancer and Use of AI.*

**Zhuang, Zixin**, M.S., Health Policy and Economics. Advisor: Yiye Zhang. **Thesis:** *Influence of Virtual Postpartum Support on Maternal Mental Health Outcomes.*

**Zou, Guanyu**, M.S., Biostatistics and Data Science.  
Advisor: Kathy Zhou. **Thesis:** *Tumor Growth Measurement Patterns on Treatment Effects Assessment.*

# Doctors of Philosophy

August 31, 2022

**Chatila, Walid Khalid**, Ph.D., Tri-Institutional Computational Biology & Medicine. Advisor: Nikolaus Schultz. **Thesis:** *Heterogeneity Amongst Colorectal Cancers: Incidence, Novel Phenotypes, and Their Molecular Drivers.*

**Dusaj, Neville Navder\***, Ph.D., Tri-Institutional Computational Biology & Medicine. Advisor: Dan Landau. **Thesis:** *Single-Cell Multi-omics of Human Clonal Hematopoiesis Reveals that DNMT3A R882 Mutations Perturb Early Progenitor States Through Selective Hypomethylation.*

**Haddock, Sara Lynn**, Ph.D., Cell and Developmental Biology. Advisor: Timothy Chan. **Thesis:** *Phenotypic and Molecular States of IDH1 Mutation-Induced CD24-Positive Glioma Stem-Like Cells.*

**Hadi, Kevin M.**, Ph.D., Physiology, Biophysics & Systems Biology. Advisor: Marcin Imielinski. **Thesis:** *Complex Structural Variants Interpreted Through Graph Representation of Cancer Genomes.*

**Huang, Pei-Ching**, Ph.D., Molecular Biology. Advisor: Scott Keeney. **Thesis:** *Chromatin Remodeler Fun30 Promotes Efficient DSB End Resection and Recombination During Yeast Meiosis.*

**Iannone, Andrew Ferdynand\***, Ph.D., Neuroscience. Advisor: Natalia De Marco Garcia. **Thesis:** *The Role of Layer I Interneurons in the Activity-Dependent Assembly of Somatosensory Circuits.*

**Johnson, Kofi Ennu**, Ph.D., Tri-Institutional Computational Biology & Medicine. Advisor: Marcin Imielinski. **Thesis:** *Multi-omic Footprints of Origin and Identity in Human Lung Cancer.*

**Jones, Heather Frances**, Ph.D., Pharmacology. Advisor: David Scheinberg. **Thesis:** *Modulating the Target Specificity of TCRs.*

**Katti, Alyna Yamuna**, Ph.D., Cell and Developmental Biology. Advisor: Lukas Dow. **Thesis:** *Strategies to Improve the Engineering of Cancer Associated SNVs with Base Editing.*

**Lee, Hyein Grace**, Ph.D., Biochemistry and Structural Biology. Advisor: Christopher Lima. **Thesis:** *SUMO Contributes to Preferential Substrate Processing by the Ufd1/Npl4-Cdc48 Complex.*

**Lin, Yen-Chu**, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: Jonathan Victor. **Thesis:** *Psychophysical and Physiological Study of Active Vision via Fixational Eye Movements.*

**Lumaquin-Yin, Dianne Michelle Tinio\***, Ph.D., Cell and Developmental Biology. Advisor: Richard White. **Thesis:** *Lipid Droplets are a Metabolic Vulnerability in Melanoma.*

**Minikes, Alexander Michael**, Ph.D., Cell and Developmental Biology. Advisor: Xuejun Jiang. **Thesis:** *A Cell Non-Autonomous, Contact-Dependent Mechanism of Ferroptosis Suppression.*

**Myers, Robert Michael\***, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: Dan Landau. **Thesis:** *Development and Application of Single-Cell Technologies to Study Clonal Evolution in Human Hematopoiesis.*

**Osunsade, Adewola**, Ph.D., Tri-Institutional Chemical Biology. Advisor: Yael David. **Thesis:** *Biochemical and Biophysical Characterization of Human Linker Histone Variants.*

**Pasion, Joyce Penelope**, Ph.D., Pharmacology. Advisor: Hans-Guido Wendel. **Thesis:** *Loss of Bromodomain-Containing Protein 9 (BRD9) Reprograms Tumor Response to Natural Killer (NK) Cell-Mediated Killing.*

**Sanchez, Elisa Elena**, Ph.D., Cell and Developmental Biology. Advisor: Morgan Huse. **Thesis:** *Cytoskeletal Regulation of Cytotoxic T Lymphocyte Killing.*

**Sanghrajka, Reeti Mayur**, Ph.D., Cell and Developmental Biology. Advisor: Alexandra Joyner. **Thesis:** *The Histone Methyltransferase KMT2D Suppresses SHH-Driven Medulloblastoma Tumor Progression and Metastasis.*

**Wickersham, Matthew Adam\***, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: Olivier Elemento. **Thesis:** *The Use of Machine Learning Methods on Real World Data to Better Inform Clinical Decisions.*

**Wolujewicz, Paul**, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: M. Elizabeth Ross. **Thesis:** *A Genomic Characterization of Human Neural Tube Defect Risk.*

**Xia, Chuying**, Ph.D., Neuroscience. Advisors: Conor Liston and Ashish Raj. **Thesis:** *Prefrontal Circuit Mechanisms and Role of Somatostatin Interneurons in Working Memory Maintenance.*

**Yao, Xiaotong**, Ph.D., Tri-Institutional Computational Biology & Medicine. Advisor: Marcin Imielinski. **Thesis:** *A Genome Graph Paradigm for Cancer Genome Structure.*

**Yaron, Tomer Moshe**, Ph.D., Tri-Institutional Computational Biology & Medicine. Advisor: Lewis Cantley and Olivier Elemento. **Thesis:** *The Kinase Library: A Global Atlas of the Human Protein Kinome and its Applications from Cancer to COVID-19.*

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## December 31, 2022

**Abuhashem, Abderhman Anees\***, Ph.D., Cell and Developmental Biology. Advisor: Anna-Katerina Hadjantonakis. **Thesis:** *Dissecting the Role of RNA POL II Pausing in Early Mammalian Development.*

**Aguilar, Rhiannon Rose\***, Ph.D., Molecular Biology. Advisor: Jessica Tyler. **Thesis:** *Two Novel Insights into Chromatin Biology Using the Model Organism *Saccharomyces cerevisiae*.*

**Bhardwaj, Priya**, Ph.D., Cell and Developmental Biology. Advisor: Kristy Brown. **Thesis:** *Obesity & Breast Cancer Development in BRCA1 & BRCA2 Mutation Carriers: Mechanisms & Strategies for Prevention.*

# Doctors of Philosophy

December 31, 2022 (continued)

**Burdziak, Cassandra Nicole**, Ph.D., Tri-Institutional Computational Biology & Medicine. Advisor: Dana Pe'er. **Thesis:** *Inferring Mechanisms of Genetic, Epigenetic, and Environmental Cooperativity in Cancer Progression.*

**Busch, Patrick Robert**, Ph.D., Cell and Developmental Biology. Advisor: Mary Baylies. **Thesis:** *Subcellular Organization of Myonuclear Transcription.*

**Carnazza, Kathryn Ellen**, Ph.D., Neuroscience. Advisor: Jacqueline Burré. **Thesis:** *The Role of Membrane Binding of Synucleins in Neuronal Function and Pathology.*

**Chowdhury, Priyanka**, Ph.D., Immunology and Microbial Pathogenesis. Advisor: Jayanta Chaudhuri. **Thesis:** *A Mouse Model to Separate Class Switch Recombination and Somatic Hypermutation in B Cells.*

**Crowley, Michael Joseph**, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: Vivek Mittal. **Thesis:** *Tumor-intrinsic IRE1 $\alpha$  Signaling Controls Protective Immunity in Lung Cancer.*

**Elkhader, Jamal**, Ph.D., Tri-Institutional Computational Biology & Medicine. Advisor: Olivier Elemento. **Thesis:** *An Integrative Approach to Drug Development Using Machine Learning.*

**Fan, Yujie**, Ph.D., Cell and Developmental Biology. Advisor: Lorenz Studer. **Thesis:** *hPSC-derived Sacral Neural Crest Enables Rescue in a Severe Model of Hirschsprung's Disease.*

**Fels, Jasmine Alexandra**, Ph.D., Neuroscience. Advisor: Giovanni Manfredi. **Thesis:** *Effects of Novel Therapeutics on the Transcriptional and Metabolic Landscapes of ALS Patient Cells.*

**Floyd, Taylor L'shae**, Ph.D., Neuroscience. Advisor: M. Elizabeth Ross. **Thesis:** *The Role of RNU12 in the Development, Expression, and Splicing of the Transcriptome of the Early Postnatal Cerebellum.*

**Guiberson, Noah Guy Lewis**, Ph.D., Neuroscience. Advisor: Jacqueline Burré. **Thesis:** *Diverse Molecular Mechanisms and Novel Rescue Strategies for STXBPI/Munc18-1 Encephalopathies.*

**Joglekar, Anoushka**, Ph.D., Tri-Institutional Computational Biology & Medicine. Advisors: Hagen Tilgner and M. Elizabeth Ross. **Thesis:** *A Cell-Type Centric View of Alternative Splicing in the Mammalian Brain.*

**Korsen, Joshua Aaron**, Ph.D., Pharmacology. Advisor: Jason Lewis. **Thesis:** *Molecular Imaging and Radioimmunotherapy Targeting Delta-Like Ligand 3 in Neuroendocrine Prostate Cancer.*

**Luo, Joanna**, Ph.D., Pharmacology. Advisor: Yueming Li. **Thesis:** *Mechanism of Gamma-Secretase Modulators: From Tools to Therapeutics.*

**Miller, Alexandra Haley\***, Ph.D., Immunology and Microbial Pathogenesis. Advisor: Sabine Ehrt. **Thesis:** *A Recombination-Based Genetic Technology Identifies Regulators of Iron Uptake Genes in Mycobacterium smegmatis.*

**Osman, Vanessa**, Ph.D., Pharmacology. Advisor: Hugh C. Hemmings, Jr. **Thesis:** *Effects of Isoflurane on Axonal Endoplasmic Reticulum Ca<sup>2+</sup> Dynamics in Rat and Mouse Hippocampal Neurons.*

**Phillips, Samantha Michelle\***, Ph.D., Neuroscience. Advisor: Lorenz Studer. **Thesis:** *Increased Speed and Purity of Oligodendrocyte Differentiation from Human Pluripotent Stem Cells Allows for Study of Lineage Progression.*

**Plante, Ambrose Gerard**, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: Harel Weinstein. **Thesis:** *Programming Myself into Obsolescence with Machine Learning Approaches to Extract Functional Mechanisms of Molecular Machines from Molecular Dynamics Trajectories.*

**Ray, Devin Mary\***, Ph.D., Tri-Institutional Chemical Biology. Advisor: Yael David. **Thesis:** *Development of Chemical Tools to Investigate and Manipulate Cellular Processes.*

**Rundlet, Emily**, Ph.D., Tri-Institutional Chemical Biology. Advisor: Scott Blanchard. **Thesis:** *Structural Dynamics of tRNA Translocation Through the Ribosome During Protein Synthesis.*

**Ryan, James Dylan**, Ph.D., Neuroscience. Advisor: Francis Lee. **Thesis:** *Hippocampal Circuits, Genetic Polymorphisms, and Pharmaceuticals that Regulate Neuropsychiatric Disorders.*

**Sridharan, Ramya**, Ph.D., Pharmacology. Advisor: Daniel Heller. **Thesis:** *Caveolin-Mediated Transport as a Driver of Drug Delivery in KRAS Mutant Cancers.*

**Yadav, Nakul**, Ph.D., Physiology, Biophysics and Systems Biology. Advisors: Conor Liston and Priya Rajasethupathy. **Thesis:** *The Role of Prefrontal Circuits in Mediating Top-Down Control of Memory Retrieval.*

**Zapater i Morales, Carolina**, Ph.D., Cell and Developmental Biology. Advisor: Mary Baylies. **Thesis:** *Drosophila Tropomodulin Regulates Multiple Actin-Dependent Processes During Larval Myofiber Development.*

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**May 18, 2023**

**Barnes, Josue\*\***, Ph.D., Physiology, Biophysics and Systems Biology. Advisors: Iman Hajirasouliha. **Thesis:** *Artificial Intelligence for Non-Invasive Ploidy Prediction of Human Blastocysts.*

**Batchelder, Jake Everett**, Ph.D., Immunology and Microbial Pathogenesis. Advisor: Scott Blanchard. **Thesis:** *Characterizing the Protein Synthesis Program that Fuels the Epithelial-to-Mesenchymal Transition.*

**Bourne, Christopher Michael**, Ph.D., Immunology and Microbial Pathogenesis. Advisor: David Scheinberg. **Thesis:** *Improving Immunotherapy Through Targeted Drug Delivery and Small-Molecule Induction of Neoepitopes.*

# Doctors of Philosophy

May 18, 2023 (continued)

**Brendel, Matthew Bryan**, Ph.D., Physiology, Biophysics and Systems Biology. Advisors: Iman Hajirasouliha and Fei Wang. **Thesis:** *A Multimodal Approach to Studying Disease Heterogeneity Using Machine Learning.*

**Buechelmaier, Erika Sue**, Ph.D., Molecular Biology. Advisor: Simon Powell. **Thesis:** *HELQ Helicase Promotes Annealing in Homology-directed DSB Repair and D-loop Processing.*

**Cao, Zhen**, Ph.D., Cell and Developmental Biology. Advisor: Charles Sawyers. **Thesis:** *Prostate Cancer Modeling: From Human Cancer Genomic Analysis to Mouse and Organoid Engineering.*

**Caspi, Inbal**, Ph.D., Cell and Developmental Biology. Advisor: Danwei Huangfu. **Thesis:** *Glucose Transporters GLUT1 and GLUT2 Are Key Components in the Human Glucostat.*

**Chen, Xi\*\***, Ph.D., Immunology and Microbial Pathogenesis. Advisor: Inez Rogatsky. **Thesis:** *Targeting RNA Pol II Promoter Proximal Pausing Machinery to Control Macrophage-Driven Inflammation.*

**Cheong, Jin-Gyu**, Ph.D., Immunology and Microbial Pathogenesis. Advisor: Steven Josefowicz. **Thesis:** *Epigenetic Memory of COVID-19 in Innate Immune Cells and Their Progenitors.*

**Feng, Chao**, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: Thomas Fuchs. **Thesis:** *Deep Learning Approaches for Fine-Grained Spatial Modeling of the Tumor Microenvironment from H&E-Stained Histopathology Images.*

**Grigorev, Kirill**, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: Christopher Mason. **Thesis:** *A Computational Framework and a Novel Algorithm for Mapping and Sequence Analysis of Telomeres from Long-Read Sequencing Data.*

**He, Changhao**, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: Alessio Accardi. **Thesis:** *Structures of Immunoreceptors and Mechanisms of Immunomodulation.*

**Jahn, Helene**, Ph.D., Biochemistry and Structural Biology. Advisor: Anant Menon. **Thesis:** *VDAC, the Mitochondrial Beta Barrel Protein, Adds a New 'Fold' to the Field of Phospholipid Scramblases.*

**Jain, Parul**, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: Jonathan Victor. **Thesis:** *Advancing the Use of EEG via a Signal-Processing Approach to Artifact Removal and a Stimulus-Specific Approach to Assess Language Processing in Severe Brain Injury.*

**Jonas, Lauren Alexandra**, Ph.D., Pharmacology. Advisor: Yueming Li. **Thesis:** *Interferon Inducible Transmembrane Protein 3 in Alzheimer's Disease and Tauopathy.*

**Komer, Lauren\*\***, Ph.D., Neuroscience. Advisor: Jacqueline Burrè. **Thesis:** *The Role of Membrane Binding of  $\alpha$ -Synuclein in the Central and Enteric Nervous System.*

**Lazarov, Tomi**, Ph.D., Immunology and Microbial Pathogenesis. Advisor: Frederic Geissmann. **Thesis:** *Developmental Origins of Tissue Macrophages and Their Potential Role in Lupus Pathogenesis.*

**Marks, Kimberly Sophie**, Ph.D., Neuroscience. Advisor: Josef Anrather. **Thesis:** *A Novel Magnetic Particle Model of Ischemic Stroke in vivo.*

**Meadows-Ortiz, Samantha Marie**, Ph.D., Neuroscience. Advisor: Anna Orr. **Thesis:** *Astrocytes Regulate Spatial Memory in a Sex-Specific Manner.*

**Nazir, Abbas**, Ph.D., Cell and Developmental Biology. Advisor: Charles Sawyers. **Thesis:** *FOXA1 Mutations Perturb Transcriptional Networks through Recruitment of Partner Transcription Factors to Drive Cell Identity and Neoplastic Transformation.*

**Niu, Xiang**, Ph.D., Tri-Institutional Computational Biology & Medicine. Advisor: Dan-Avi Landau. **Thesis:** *Spatial Determinants of Cell-Cell Interactions in the Tumor Microenvironment.*

**Olafson, Emily**, Ph.D., Neuroscience. Advisor: Amy Kuceyeski. **Thesis:** *Understanding and Predicting Motor Recovery After Stroke Using Structural and Functional Magnetic Resonance Imaging.*

**Paknejad, Navid**, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: Richard Hite. **Thesis:** *Molecular Mechanisms of IP<sub>3</sub> Receptor Regulation.*

**Park, Jiwoon**, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: Christopher Mason. **Thesis:** *Multi-omics Modeling for the Recovery of Disrupted Biological Systems.*

**Pine, Allison Rachel**, Ph.D., Tri-Institutional Computational Biology & Medicine. Advisor: Christina Leslie. **Thesis:** *Single-Cell Transcriptional Regulation of Cell State Identity in Glioblastoma.*

**Ries, Ryan J.**, Ph.D., Neuroscience. Advisor: Samie Jaffrey. **Thesis:** *The Origins of N<sup>6</sup>-Methyladenosine (m<sup>6</sup>A) and the Effects of m<sup>6</sup>A on mRNA During Cellular Stress.*

**Rittenhouse, Chelsea Ann\*\***, Ph.D., Neuroscience. Advisor: Lorenz Studer. **Thesis:** *Next Generation Cerebral Organoids: The Importance of Cell-Type Diversity in Modeling Proper Human Brain Development.*

**Rosen, Bess Peninna**, Ph.D., Cell and Developmental Biology. Advisor: Danwei Huangfu. **Thesis:** *Uncovering Regulators of Human Pluripotency Using Comparative CRISPR Screening.*

**Rossetti, Thomas**, Ph.D., Pharmacology. Advisor: Lonny Levin. **Thesis:** *Optimizing Small Molecule Inhibitors of Soluble Adenylyl Cyclase (sAC) for Use as Male Contraceptives.*

**Sánchez de León Ley, Esther**, Ph.D., Molecular Biology. Advisor: John Petrini. **Thesis:** *Study of MRE11 and RTEL1 Roles in Hematopoietic Malignancy and Telomere Homeostasis Using Disease-Associated Mutations.*



# Doctors of Philosophy

May 18, 2023 (continued)

**Shobana Ganesh, Kripa**, Ph.D., Biochemistry and Structural Biology. Advisor: John Blenis. **Thesis:** *Identification of Novel Targets of Serine/Arginine-Rich Protein-Specific Kinase 2.*

**Silberman, Pedro Cito\*\***, Ph.D., Pharmacology. Advisor: David Scheinberg. **Thesis:** *Tumor Microenvironment Actuated T-Cells (MEAT-cells) to Conditionally Express Chimeric Antigen Receptors and Mitigate Lethal Toxicity.*

**Tang, Cerise**, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: Nikolaus Schultz. **Thesis:** *Microenvironmental Determinants of Metabolic Heterogeneity in Cancer.*

**Tylawsky, Daniel Eugene**, Ph.D., Pharmacology. Advisor: Daniel Heller. **Thesis:** *Drug Delivery to Intracranial Tumors by Active Transport of Targeted Nanocarriers.*

**Wang, Yuanqing**, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: John Chodera. **Thesis:** *Graph Machine Learning for (Bio)molecular Modeling and Force Field Construction.*

**Westover, Craig Diego**, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: Christopher Mason. **Thesis:** *Transcriptomic and Epigenomic Analysis of DSUP Expressing Human Cells Reveals Open Chromatin Architectural Dynamics Underlying Radioprotection.*

**Wiggins, Shakarr Vera**, Ph.D., Neuroscience. Advisor: Lonny Levin. **Thesis:** *Therapeutic Utility of Soluble Adenylyl Cyclase (sAC) Inhibitors.*

**Xu, Jiaqi**, Ph.D., Molecular Biology. Advisor: Scott Keeney. **Thesis:** *The ANKRD31-REC114 Interaction is Critical for Double-Strand Break Control and Sex Chromosome Recombination During Male Mouse Meiosis.*

**Zhao, Yi**, Ph.D., Cell and Developmental Biology. Advisor: Carl Blobel. **Thesis:** *Identification of Molecular Determinants in iRhoms1/2 and EGFR Ligands that Contribute to the Substrate Selectivity of Stimulated ADAM17.*

# Alumni Award of Distinction 2023

## Weill Cornell Graduate School of Medical Sciences

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### Cheryl F. Dreyfus, Ph.D. '76

Dr. Cheryl F. Dreyfus (Ph.D. '76) is a distinguished professor and chair of the Department of Neuroscience and Cell Biology at Rutgers Robert Wood Johnson Medical School. She began her training as a master's student at Cornell University, where she studied the reproductive system of sharks. At Weill Cornell Graduate School of Medical Sciences, she worked with Dr. Michael Gershon to examine the roles played by neurons of the gut. This work led her to study factors that regulate development of the nervous system. As a postdoctoral fellow at Albert Einstein College of Medicine and Columbia University Vagelos College of Physicians and Surgeons, she began the studies ongoing in the laboratory today.

Dr. Dreyfus has over 40 years of research accomplishments, primarily focused on studying the regulation of brain cell development and brain cell death. In particular, she focuses on neural cells that are impacted in a variety of neurodegenerative diseases. Her current studies identify roles played by the growth factor, BDNF, that reduce severity of multiple sclerosis and Alzheimer's disease models. She explores regulation of the synthesis and release of this protein by small molecules that are able to enter the brain.

She has published over 100 manuscripts, reviews and book chapters, and more than 150 abstracts, and is the recipient of continuous funding from federal agencies and private foundations. Dr. Dreyfus continues to play an important role in educating students who have gone on to become scientists in academia, law firms and industry, as well as medical writers, physicians and physician-scientists.

# **Siegel Family Faculty Awards 2023**

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# Jeanne and Herbert Siegel Award for Excellence in Medical Education

## Lily M. Belfi, M.D.

Dr. Lily M. Belfi is an associate professor of clinical radiology in Weill Cornell Medicine's Department of Radiology, Division of Emergency and Musculoskeletal Imaging, where she is also director of medical student education. A graduate of the Jacobs School of Medicine and Biomedical Sciences at the University at Buffalo, Dr. Belfi joined the Weill Cornell Medicine faculty in 2008.

Dr. Belfi is an active and dedicated teacher of residents, fellows and medical students. She is founder and director of the Clinical Radiologist Educator Alliance for Teaching Excellence and is director of research and education foundation at the Association of University Radiologists. She is an active member of the Association of American Medical Colleges; founder and chair of the Association of University Radiologists' Well Being Committee; and serves on the National Board of Medical Examiners Advisory Committee for Medical School Programs.

Dr. Belfi is the recipient of numerous awards, including the 2013 Weill Cornell Medical College Award for Teaching Excellence and the 2016 Herbert M. Stauffer Award for Best Education Paper from the Association of University Radiologists.

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# Jeanne and Herbert Siegel Award for Outstanding Medical Research

## Conor Liston, M.D. '08, Ph.D.

Dr. Conor Liston (M.D. '08) is an associate professor of psychiatry in the Department of Psychiatry and an associate professor of neuroscience at Weill Cornell Medicine's Feil Family Brain and Mind Research Institute. A graduate of Weill Cornell Medicine's class of 2008, Dr. Liston received his doctorate at Rockefeller University in 2007, joining the Weill Cornell Medicine faculty in 2014.

As a clinical psychologist, Dr. Liston specializes in the management of treatment-resistant mood disorders. As a researcher, he focuses on the understanding of the basic mechanisms by which prefrontal cortical brain circuits support learning, memory and motivation, and how those functions are disrupted in depression, obsessive compulsive disorder and other neuropsychiatric disorders. His team is also developing neuroimaging technologies for informing psychiatric diagnosis in human populations and predicting treatment response to transcranial magnetic stimulation (TMS) and other forms of therapeutic neuromodulation.

Dr. Liston's research has been recognized with awards from the Klingenstein-Simons Foundation Fund, the Rita Allen Foundation, the Dana Foundation, the One Mind Institute, the Pritzker Neuropsychiatric Disorders Consortium, the Hope for Depression Research Foundation and the Wellcome Leap Foundation.

# Jeanne and Herbert Siegel Faculty Development Award

## Kane O. Pryor, M.D.

Dr. Kane O. Pryor is an associate professor of clinical anesthesiology and of anesthesiology in clinical psychiatry at Weill Cornell Medicine, where he is also executive vice chair for academic affairs in the Department of Anesthesiology. He earned his medical degree at the University of Sydney, Australia and started his residency at Weill Cornell Medicine in 1999, joining as faculty in 2004.

Dr. Pryor is director of clinical research in the Department of Anesthesiology and heads the Weill Cornell Medicine Anesthesia Trials Group, which has played a prominent role in several of the largest perioperative outcomes trials of the last decade and has proved to be a development ground for several successful junior investigators in the field. Dr. Pryor has also conducted a series of novel studies that explained the systems-level mechanisms through which anesthetic drugs cause amnesia.

As a mentor, Dr. Pryor has served as an advisor to high school students, undergraduates, medical students, residents, fellows and faculty. He has overseen program and curriculum development and scholarship in his department, and has worked toward building Weill Cornell Medicine's program in anesthesiology graduate medical education as a bellwether for innovation and career development. Dr. Pryor is a member of the British Journal of Anesthesia's Associate Editorial Board.



# Dean's Award for Excellence in Mentorship 2023

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## **Erika Abramson, M.D., M.S. '09**

Dr. Erika Abramson (M.S. '09) is a professor of pediatrics and of population health sciences at Weill Cornell Medicine. She currently serves as assistant dean for education research, outcomes and innovation, and within the Department of Pediatrics, as vice chair for health equity and medical education research and as associate program director for graduate medical education. She earned her medical degree from New York University School of Medicine and a master's degree in clinical and translational investigation from the Weill Cornell Graduate School of Medical Sciences. She was chief resident in pediatrics at NewYork-Presbyterian/Weill Cornell Medical Center, before joining the faculty of Weill Cornell Medicine in 2007.

Dr. Abramson has designed a curriculum and contributed scholarship on research mentorship for trainees, and she has led peer group and team mentoring programs, in addition to mentoring numerous fellows, residents, and students individually. She has received seven teaching and mentoring awards, including awards from the Association of Pediatric Program Directors for extraordinary contributions to mentorship activity in the last five years and the Walter W. Tunnessen Jr. Award for extraordinary or innovative contributions in pediatric graduate medical education at the national level.

# Alumni Award of Distinction 2023

## Weill Cornell Medical College

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### Margaret "Peggy" Bia, M.D. '72

Dr. Margaret "Peggy" Bia (M.D. '72) is an emeritus professor of internal medicine at Yale School of Medicine. During her distinguished career spanning over 40 years, she has been recognized for her leadership in kidney transplantation, medical education and advocacy for women's issues. She served as the first director of transplant nephrology at Yale New Haven Hospital, from 1984 to 2001, and subsequently served as creator and director of the Clinical Skills Program at Yale School of Medicine from 2001 to 2014. Under her leadership, the program grew from a small course to a multivenue, multiyear program with over 170 participating clinicians.

Dr. Bia has authored more than 100 peer-reviewed papers and book chapters, and received numerous awards and honors at Yale for her teaching, including the establishment of the Dr. Peggy Bia Award for Outstanding Clinical Teaching. The first woman invited to join the Nephrology Board of the American Board of Internal Medicine, Dr. Bia served from 1996 to 2002, with an additional 11 years on the organization's Self-Assessment Nephrology Committee. She was honored by the National Kidney Foundation with the Pioneer in Transplant award in 2004, and again in 2018 with its Lifetime Achievement Award.

A tireless advocate for women in medicine, Dr. Bia chaired the committee celebrating the 100th anniversary of women at Yale School of Medicine and sits on its Committee for the Status for Women in Medicine. A longtime mentor and teacher of students, residents and renal fellows, she continues to precept medical students caring for underserved patients in New Haven, Connecticut.



# Hippocratic Oath

**I do solemnly vow, to that which I value and hold most dear:**

That I will honor the Profession of Medicine, be just and generous to its members, and help sustain them in their service to humanity;

That just as I have learned from those who preceded me, so will I instruct those who follow me in the science and the art of medicine;

That I will recognize the limits of my knowledge and pursue lifelong learning to better care for the sick and to prevent illness;

That I will seek the counsel of others when they are more expert so as to fulfill my obligation to those who are entrusted to my care;

That I will not withdraw from my patients in their time of need;

That I will lead my life and practice my art with integrity and honor, using my power wisely;

That whatsoever I shall see or hear of the lives of my patients that is not fitting to be spoken, I will keep in confidence;

That into whatever house I shall enter, it shall be for the good of the sick;

That I will maintain this sacred trust, holding myself far aloof from wrong, from corrupting, from the tempting of others to vice;

That above all else I will serve the highest interests of my patients through the practice of my science and my art;

That I will be an advocate for patients in need and strive for justice in the care of the sick.

**I now turn to my calling, promising to preserve its finest traditions, with the reward of a long experience in the joy of healing.**

**I make this vow freely and upon my honor.**



# Recipients of Degrees 2023

**Weill Cornell Medical College**

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# Doctors of Medicine

May 18, 2023

Debra Abramov, M.D., Ph.D. †

Rachel Hao Abramson, M.D.

Ganiat Rinuola Alakiu, M.D.

Koby Amankwah, M.D. \*

Anita Bhavesh Amin, M.D. \*

Kyrie Sofia Anderson, M.D.

Rachel Amelie Arnesen, M.D. \*<sup>§</sup>

Quillan Mark-Alfred Austria, M.D.

Christopher Sam Babu, M.D. \*

Shanice Marie Beaumont, M.D.

Tahj Ali Blow, M.D.

Brenden Amar Bratton, M.D.

Kathryn Margaret Broderick, M.D. \*

Andrea Christina Cabassa Miskimen, M.D. \*

Pamela Capellan, M.D.

Sarah Caughey Carey, M.D. <sup>◇</sup>

Abhinaba Chatterjee, M.D.

Gui Zhen Chen, M.D.

Hannah Yu Han Chen, M.D.

Justin Chen, M.D.

Shirley Chen, M.D. \*

Du Cheng, M.D., Ph.D. <sup>§†</sup>

Candace Chien, M.D.

Chan Hee John Choi, M.D., Ph.D. †

Kaela Leilani Cohan, M.D.

Alana Dinh, M.D.

Shabnam Zareh Eghbali, M.D. \*

Hana Haifa Elhassan, M.D.

Osamede Jones Enobakhare, M.D.

Pauline Mathilde Julie Flaum-Dunoyer, M.D. <sup>◇</sup>

Katherine Taylor Fortson, M.D.

Sofia Elena Vaccarino Gearty, M.D., Ph.D. †

Andrew Raab Griswold, M.D., Ph.D. †

Lilly Gu, M.D.

Sergio Wesley Guadix, M.D. \*<sup>◇</sup>

Catherine Young Han, M.D.

Asal Yvette Hejazi, M.D.

Margaret Rosa Herre, M.D., Ph.D. †

Evan Louis Honig, M.D.

Brian Stephen Hurwitz, M.D., Ph.D. †

Wasif E. Islam, M.D.

Iryna Ivasyk, M.D., Ph.D. <sup>§†</sup>

Seong Jun Jang, M.D. \*<sup>◇</sup>

Jeremy David Kaplitt, M.D.

Nathaniel Ross Kastan, M.D., Ph.D. †

Kiara Kaylor, M.D. \*

Alexander Peter Kelly, M.D.

Tyler Kim Khilnani, M.D.

Jeong Hoon Kim, M.D.

Karla Eunhae Kim, M.D.

Alexander Koo, M.D.

Julianna Cassandra Kostas, M.D. \*<sup>§</sup>

John Young Ho Kwon, M.D. <sup>◇</sup>

Daniel Cheong Kit Lai, M.D. \*<sup>§</sup>

Tiffany Lam, M.D.

Nahomy Ledesma Vicioso, M.D.

Andrew Yongjae Lee, M.D.

Jenny Lin, M.D. <sup>◇</sup>

Katie Liu, M.D.

Marcos Lu Wang, M.D.

Susana Martínez Díaz, M.D.

Rhiannon Christine Miller, M.D. \*<sup>◇§</sup>

Julio Andrew Moreno, M.D.

Matthew Ramses Moronta, M.D.

Allison Gayle Moyer, M.D., Ph.D. †

Kristina Navrazhina, M.D., Ph.D. <sup>◇†</sup>

Sofya Norman, M.D.

Eseosa Odigie, M.D.

Karin Jialin Oh, M.D. <sup>§</sup>

Chimsom Faith Orakwue, M.D.

Kristine Choohyun Paik, M.D.

Ann Chen Palladino, M.D. <sup>◇</sup>

Ilan Chase Palte, M.D. \*<sup>◇</sup>

Na Hyun Park, M.D. <sup>§</sup>

Maria Christina Passarelli, M.D., Ph.D. <sup>§†</sup>

Hehidy Paulino, M.D.

Barbara Pelham-Webb, M.D., Ph.D. †

Jin Sang Pyon, M.D. \*

Gabriel Tzvi Raab, M.D. <sup>◇</sup>

Stephanie Lynn Rager, M.D. <sup>◇</sup>

Daniel Philip Restifo, M.D. \*

Rachel Shirley Saganty, M.D. \*<sup>§</sup>

Ageline Sahagun Salas, M.D. <sup>§</sup>

Sarah Michelle Schrader, M.D., Ph.D. †

Ryka Renee Sehgal, M.D. \*

Heba Shaaban, M.D.

Daniel Jinsup Shinn, M.D.

Lior Shtayer, M.D. <sup>◇</sup>

Jayleecia Smith, M.D.

Aleksandr Talishinsky, M.D., Ph.D. †

Alice Junling Tao, M.D. \*<sup>◇§</sup>

Jacob Thomas, M.D. <sup>§</sup>

Jacqueline Lan Chi Tran, M.D.

Mercy Infenyinwa Ude, M.D.

Nicholas Andrew Vernice, M.D.

Daiqi Wang, M.D.

Jade Yixuan Wang, M.D.

Zhaorui Wang, M.D. \*

Joshua Mitchell Weiss, M.D., Ph.D. †

Leah Zhu Yao, M.D.

Jonathan Sundry Yu, M.D. <sup>◇</sup>

Omar Zainul, M.D.

Ethan Zhao, M.D.

Andrew Zhu, M.D.

## Approval contingent on their successful completion of the academic program

\* Alpha Omega Alpha Honor Medical Society/with Academic Distinction

<sup>◇</sup> with Honors in Research

<sup>§</sup> with Honors in Service

† Weill Cornell/Rockefeller/Sloan Kettering Tri-Institutional M.D.-Ph.D. Program

# Cornell University Alma Mater

Far above Cayuga's waters,  
With its waves of blue,  
Stands our noble Alma Mater,  
Glorious to view.

Far above the busy humming  
of the bustling town,  
Reared against the arch of heaven,  
Looks she proudly down.

## Chorus

Lift the chorus, speed it onward,  
Loud her praises tell;  
Hail to thee, our Alma Mater,  
Hail, all hail, Cornell.

**Music by**  
Opus 5 Music

*RODGERS is the official house organ at Carnegie Hall.*



**Weill Cornell Medicine**



**Weill Cornell**  
**Medicine**

