



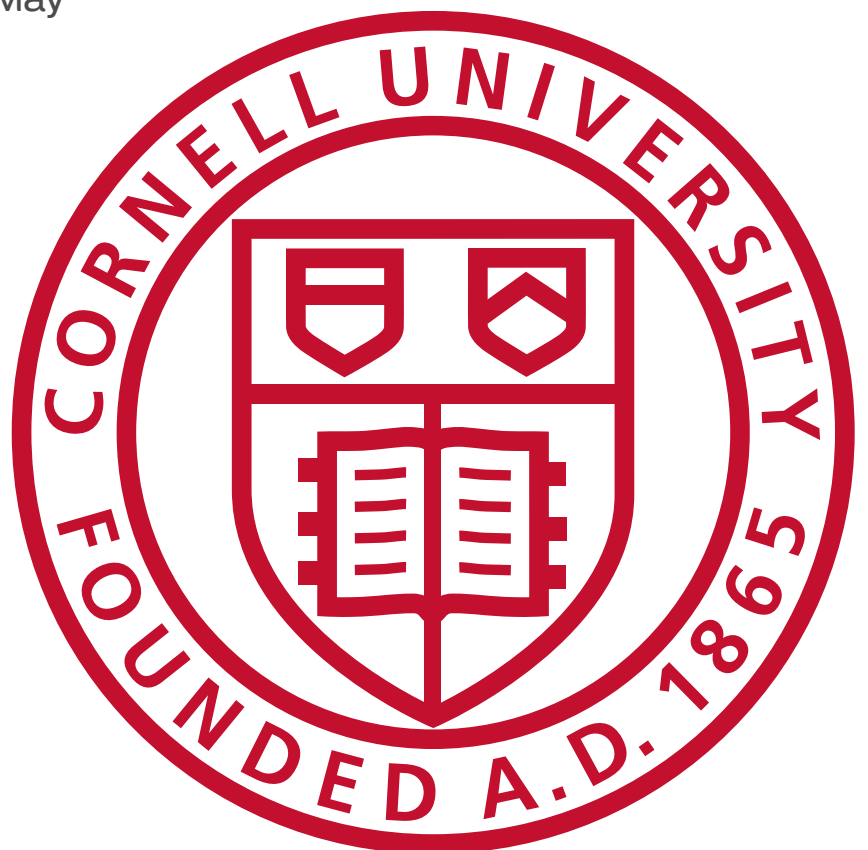
**Weill Cornell**  
**Medicine**

**Weill Cornell Medical College**

**Weill Cornell Graduate School  
of Medical Sciences**

**Commencement**

Thursday, the Nineteenth of May  
Two Thousand Twenty-Two  
Noon



# Program

## Academic Procession

Poppy L. McLeod, Ph.D.  
University Marshal

B. Robert Meyer, M.D., F.A.C.P.  
Mace-bearer

## Presentation of the Academic Assembly

Professor McLeod

## Invocation

Jon A. Overvold, M.Div., B.C.C.  
Manager of Pastoral Care and Education, NewYork-Presbyterian

## Dean's Address to the Graduating Class

Augustine M.K. Choi, M.D.  
Stephen and Suzanne Weiss Dean, Weill Cornell Medicine  
Provost for Medical Affairs, Cornell University

## President's Address to the Graduating Class

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

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## 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

Andre Neil Forbes  
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 John D. MacMicking, Ph.D. '97

Kate Rochlin, Ph.D. '14  
Co-Chair, Weill Cornell Graduate School Alumni Advisory Council

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## Medley from "Encanto" by Lin Manuel Miranda arr. Alex Mansour

Music & Medicine  
Artistic Director: Richard M. Kogan, M.D.  
Cello: Ah Yeon "Alice" Chung, M.D. '21  
Clarinet: Anson Wang '22  
Flutes: John Chae '22, Yuna Oh '22  
Guitar: Julia Klein '22  
Viola: Tara Pilato '22  
Violins : Julie Kim '22, Sofya Norman '23

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

Dean Choi

## Presentation of the Jeanne and Herbert Siegel Award for Outstanding Medical Research to David Artis, Ph.D.

Dean Choi

## Presentation of the Jeanne and Herbert Siegel Faculty Development Award to Susana Rita Morales, M.D.

Dean Choi

## Presentation of the Donald J. D'Amico, M.D., Award for Excellence in Ophthalmology to Gary J. Lelli Jr., M.D.

Dean Choi

## Presentation of the Jeanne and Herbert Siegel Award for Excellence in Emergency Medicine to Peter Wagoner Greenwald, M.D.

Dean Choi

## Presentation of the Richard D. Granstein, M.D., Award for Excellence in Dermatology to Shari R. Lipner, M.D., Ph.D.

Dean Choi

## Presentation of the Dean's Award for Excellence in Mentorship to Michael W. O'Dell, M.D.

Dean Choi

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## Introduction of the Medical College Student Speaker

Dean Choi

## Address by the Student Speaker

Tyler Scott Garman  
Weill Cornell Medical College

## Administration of the Hippocratic Oath

Dean Choi

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

Dean Choi

## Conferment of the Degree of Doctor of Medicine

President Pollack

## Presentation of the Medical College Alumni Association Award of Distinction to John I. Gallin, M.D. '69

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

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## Farewell to the Graduates

Dean Choi

## Alma Mater

## Benediction

Reverend Overvold

## Recessional

*Kindly hold applause until all presentations are completed*

# Recipients of Degrees 2022

**Weill Cornell Graduate School  
of Medical Sciences**

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# Masters of Science

## August 31, 2021

**Bouhenni, Nassima Halima**, M.S., BCMB Allied Program. Advisor: Zhirong Bao

**Choi, Justin Jin Woong**, M.S., Clinical and Translational Investigation. Advisor: Olaf Andersen. **Thesis:** *The Diagnostic Accuracy of Procalcitonin for Urinary Tract Infection in Hospitalized Older Adults*

**Ghosh, Nilasha**, M.S., Clinical and Translational Investigation. Advisor: Kendall Smith. **Thesis:** *Autoantibodies as Biomarkers of Immune-Related Adverse Events from Immune Checkpoint Inhibition*

**Maher, Massoud**, M.S., Tri-Institutional Computational Biology and Medicine Program. Advisor: Doron Betel

**Stiefel, Jessica Elizabeth**, M.S., Clinical and Translational Investigation. Advisors: Julianne Imperato-McGinley and Dean Bajorin. **Thesis:** *Multicenter Retrospective Review of Post-Transplant Outcomes in Pediatric Patients with Relapsed or Refractory B-Cell Acute Lymphoblastic Leukemia*

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## December 31, 2021

**Bernstein, Adrien**, M.S., Clinical Epidemiology and Health Services Research. Advisors: Andres Correa and Ralph Horwitz. **Thesis:** *Impact of the COVID-19 Pandemic on Prostate Cancer Screening and Surgery: Lessons from a Regional Collaborative*

**Colon, Kristine Anne**, M.S., Population Health Sciences. Advisor: Mark Unruh. **Thesis:** *Recommendations to Address Cancer Rates Among Socioeconomically Disadvantaged Populations in NYC*

**Fernandez, Rahul Joseph**, M.S., Population Health Sciences. Advisor: Samprit Banerjee. **Thesis:** *Identifying Social Isolation in Social Media Data*

**Le Roux, Alexandre Benjamin**, M.S., Clinical and Translational Investigation. Advisors: Julianne Imperato-McGinley and Kendall Smith. **Thesis:** *Bispecific Antibody Pretargeting PET Imaging in Rodent Models of Human Colorectal Cancer*

**Lewis, Laura**, M.S., Health Sciences for Physician Assistants. Advisor: Douglas Mintz. **Thesis:** *Use of Opportunistic CT Scans in Distal Radius Fractures in Screening for Osteoporosis*

**Malonga, Grace Prudence**, M.S., Population Health Sciences. Advisor: Paul Christos. **Thesis:** *Predictors Assessment for Bailout Cholecystectomy: A Single Center Experience*

**Tisch, Mary Catherine**, M.S., Health Sciences for Physician Assistants. Advisor: Hooman Yaghoobzadeh. **Thesis:** *Congestive Heart Failure and Home-Based Cardiac Rehabilitation to Reduce Hospital Readmission Rates for Heart Failure, Increase Enrollment Rates in Cardiac Rehab, Increase Quality of Life and Functional Capacity in Heart Failure Patients*

## May 19, 2022

**Abbate, Kariann**, Executive M.B.A., M.S., Healthcare Policy and Research

**Achenbaum, Melissa**, M.S., Health Sciences for Physician Assistants. Advisor: Alexander Merkler. **Thesis:** *The Use of Biomarkers in Diagnosing Chronic Traumatic Encephalopathy*

**Auerbach, Gabrielle**, M.S., Population Health Sciences. Advisor: Jing Li. **Thesis:** *The Impact of COVID-19 Medical Waste and Protocols on the Environment: A Systematic Review*

**Azmi, Amanda Shadee**, M.S., Health Sciences for Physician Assistants. Advisor: Carol Fiore. **Thesis:** *Examining the Rigidity of Hormonal Treatment Guidelines in Transgender Populations and Promoting Patient-Centered Individualized Care*

**Azziz, Annabel**, M.S., BCMB Allied Program. Advisor: Ekta Khurana

**Babb, Jaanai**, Executive M.B.A., M.S., Healthcare Policy and Research

**Bae, Yun Seong**, M.S., Population Health Sciences. Advisor: Yuhua Bao. **Thesis:** *Systematic Analysis on Effect of Incentives in Workplace Wellness Programs*

**Baldeo, Brian Brandon**, Executive M.B.A., M.S., Healthcare Policy and Research

**Balsitis, Catherine**, M.S., Health Sciences for Physician Assistants. Advisor: Brandon Aden. **Thesis:** *A Potential Therapeutic Target for the Treatment of Metabolic Diseases*

**Bartelo, Nicholas**, M.S., Computational Biology. Advisors: Olivier Elemento and Fei Wang. **Thesis:** *Discovery of Pre-Diabetic Subgroups with Differential Metabolomic Abundances Influencing Type 2 Diabetes Progression Using Unsupervised Machine Learning*

**Baskakova, Anna**, Executive M.B.A., M.S., Healthcare Policy and Research

**Bayard, Solange**, M.S., Clinical Epidemiology and Health Services Research. Advisors: Lisa Newman and Melissa Davis. **Thesis:** *Imaging Modalities and Breast Cancer Outcomes*

**Bazarko, Daniel Adrian**, Executive M.B.A., M.S., Healthcare Policy and Research

**Beeler, Samad Ali**, Executive M.B.A., M.S., Healthcare Policy and Research

**Beltran, Angerica Valera**, M.S., Health Sciences for Physician Assistants. Advisor: Hooman Yaghoobzadeh. **Thesis:** *Use of the Non-Catecholamine Inotrope Levosimendan in the Acute Setting of Takotsubo Syndrome*

**Berry, Thomas**, M.S., Computational Biology. Advisors: Olivier Elemento and Fei Wang. **Thesis:** *Prediction of Protein Marker Distributions from Brightfield Imaging*

# Masters of Science

May 19, 2022 (continued)

**Bharam, Srino**, Executive M.B.A., M.S., Healthcare Policy and Research

**Bidad, Kathleen**, M.S., Health Sciences for Physician Assistants. Advisor: Mayur Narayan. **Thesis:** *The Use of Hydrogel Coated Polypropylene Mesh in Continuous Mesh-Mediated Fascial Traction in the Treatment of the Open Abdomen*

**Birnbaum, Emily**, M.S., Clinical and Translational Investigation. Advisor: Olaf Andersen. **Thesis:** *Targeting the LANCL2 Pathway to Treat Alzheimer's Disease*

**Black, Gavin**, M.S., Pharmacology. Advisor: Daniel Heller

**Block, Laura Marshall**, Executive M.B.A., M.S., Healthcare Policy and Research

**Bobbio-Hertog, Nicole**, M.S., Health Sciences for Physician Assistants. Advisor: Malavika Prabhu. **Thesis:** *Views on Vaginal Seeding of Pregnant Women in the United States*

**Bortoletto, Pietro**, M.S., Clinical and Translational Investigation. Advisor: Yuan-Shan Zhu. **Thesis:** *Detection of Euploid Pregnancy Loss Fingerprint from Serum via Quantum Defect-Modified Carbon Nanotube Arrays*

**Brereton, Jennifer**, M.S., Population Health Sciences. Advisor: Natalie Benda. **Thesis:** *Supporting Health Programs in Low-Resource Settings with Health and Hope*

**Brown, Courtney**, M.S., Health Sciences for Physician Assistants. Advisor: Carol Mancuso. **Thesis:** *Treatment of Primary and Secondary Raynaud's Phenomenon with Botulinum Toxin*

**Buckholz, Adam**, M.S., Population Health Sciences. Advisor: Mark Unruh. **Thesis:** *Trends in Hepatitis C Care Utilization*

**Cabezon, Elizabeth Marie**, Executive M.B.A., M.S., Healthcare Policy and Research

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

**Carey, Megan Savannah**, M.S., Health Sciences for Physician Assistants. Advisor: Maria Compte. **Thesis:** *Implementing Universal Protocols to Screen and Educate Women of Latin American Origin for Chagas Disease*

**Carpenter, Chace Isabella**, M.S., Health Sciences for Physician Assistants. Advisor: Lisa Doron. **Thesis:** *Proton Beam Re-Irradiation for Recurrent Head and Neck Cancer*

**Carr, Olivia Clara**, M.S., Health Sciences for Physician Assistants. Advisor: Carol Mancuso. **Thesis:** *Evaluating SARS-CoV-2 Infection as a Trigger of Autoimmune Disease Onset*

**Cayabyab, Fernando**, Executive M.B.A., M.S., Healthcare Policy and Research

**Cheng, Kristy Yi-Tyng**, M.S., Health Sciences for Physician Assistants. Advisor: Hooman Yaghoobzadeh. **Thesis:** *Dapagliflozin in Reducing Heart Failure with Preserved Ejection Fraction Costs and Readmission*

**Cheng, Yuqi**, M.S., Computational Biology. Advisor: Ekta Khurana. **Thesis:** *Single Cell Multi-Omic Analysis Reveals Tumor Heterogeneity in Castration Resistant Prostate Cancer*

**Cheung, Stephanie**, M.S., Clinical and Translational Investigation. Advisor: Yuan-Shan Zhu. **Thesis:** *Genetic Profiling of the Infertile Male by Germline Mutation Analysis Using NGS*

**Chiao, Franklin**, Executive M.B.A., M.S., Healthcare Policy and Research

**Chua, Kenneth**, Executive M.B.A., M.S., Healthcare Policy and Research

**Clemenson, Dessa**, M.S., Health Sciences for Physician Assistants. Advisor: Joshua Dines. **Thesis:** *Risk Factors Associated with ACL Injuries in Female Recreational Alpine Skiers*

**Connors, Bali**, M.S., Health Sciences for Physician Assistants. Advisor: Thanakorn Jirasevijinda. **Thesis:** *The Effect of Social Isolation and Increased Digital Media Use on Behavioral, Social and Interpersonal Developmental Outcomes in Children*

**Crouse, Victoria Paige**, M.S., Health Sciences for Physician Assistants. Advisor: Carol Fiore. **Thesis:** *Induction of Lactation by Galactogogues in Non-Gestational Parents with a Focus on Lactation in the Transgender Community*

**Daly, Alexandra Ashley**, M.S., Health Sciences for Physician Assistants. Advisor: Katherine Hajjar. **Thesis:** *The Effects of Prenatal Electronic Cigarette Use on the Developing Fetus and Neonate*

**Degliuomini, Melanie**, M.S., Clinical and Translational Investigation. Advisor: Dean Bajorin. **Thesis:** *Chemotherapy-Induced Thrombocytopenia in Pediatric Oncology: Scope of the Problem and Opportunities for Intervention*

**Dhingra, Rahul**, Executive M.B.A., M.S., Healthcare Policy and Research

**Di Palo, Katherine**, Executive M.B.A., M.S., Healthcare Policy and Research

**Dong, Ryan**, M.S., Health Sciences for Physician Assistants. Advisor: Randi Silver. **Thesis:** *Anti-TGF $\beta$ , Effect on Inflammation and Fibrosis*

**Dvoskin, Dmitriy**, Executive M.B.A., M.S., Healthcare Policy and Research

**Erfani, Sherwin**, M.S., Health Sciences for Physician Assistants. Advisor: Peter Sculco. **Thesis:** *Efficacy of Intraarticular Leukocyte Poor Platelet-Rich Plasma and Ropivacaine in Knee Osteoarthritis*

# Masters of Science

May 19, 2022 (continued)

**Fanio, Janette C.**, M.S., Population Health Sciences. Advisor: Meghan Turchioe. **Thesis:** *Developing Prototypes of Interactive Decision Aids for Patients with Atrial Fibrillation*

**Fasano, Genevieve**, M.S., Clinical Epidemiology and Health Services Research. Advisors: Lisa Newman and Melissa Davis. **Thesis:** *Outcomes in Triple Negative Breast Cancer*

**Frey, Melissa**, M.S., Clinical and Translational Investigation. Advisor: Olivier Elemento. **Thesis:** *What Happens in the Long-Term: Uptake of Cancer Surveillance and Prevention Strategies Among At-Risk Relatives with Pathogenic Variants Detected via Cascade Testing*

**Freytag, Charlotte Isabel**, M.S., Health Sciences for Physician Assistants. Advisor: David Otterburn. **Thesis:** *The Use of Integra Versus Split-Thickness Skin Grafting for the Reconstruction of Oncologic Defects*

**Frye, Marilyn Margaret**, M.S., Health Sciences for Physician Assistants. Advisor: Sam Senturia. **Thesis:** *The Use of Telemedicine Consultation with a Burn Care Specialist to Improve Accuracy of Burn Classification Upon Initial Evaluation of Acute Burn Patients*

**Gaither, Kecia**, Executive M.B.A., M.S., Healthcare Policy and Research

**Gajarawala, Sejal**, Executive M.B.A., M.S., Healthcare Policy and Research

**Gow, James Allen**, Executive M.B.A., M.S., Healthcare Policy and Research

**Goyette, Maxine**, M.S., Health Sciences for Physician Assistants. Advisor: Carl Crawford. **Thesis:** *Helminth Therapy as a Novel Treatment for Inflammatory Bowel Disease*

**Greene, Fallon Shea**, M.S., Health Sciences for Physician Assistants. Advisor: Hooman Yaghoobzadeh. **Thesis:** *The Effect of Long-Term Probiotics on Morbidity and Mortality in Heart Failure*

**Harris, LeWanza Marchell**, Executive M.B.A., M.S., Healthcare Policy and Research

**Holmes, Kaley Shay**, M.S., Health Sciences for Physician Assistants. Advisor: Katherine Hajjar. **Thesis:** *The Gut Microbiome in Infants Exposed to Opioids in Utero: How Does it Differ from Unexposed Infants?*

**Jackson, Gabrielle**, M.S., Health Sciences for Physician Assistants. Advisor: Hooman Yaghoobzadeh. **Thesis:** *Adjunctive Treatment with Bromocriptine and Cabergoline in Peripartum Cardiomyopathy Adjunctive Treatment of Peripartum Cardiomyopathy with Bromocriptine and Cabergoline*

**Johnson, Eric**, M.S., Health Sciences for Physician Assistants. Advisor: Joseph Murray. **Thesis:** *Treating Post-Traumatic Stress Disorder with Diet Modification*

**Johnston, Katherine Anna**, M.S., Health Sciences for Physician Assistants. Advisor: Peter Fabricant. **Thesis:** *Analysis of Cryotherapy in Acute Orthopedic Injuries*

**Jones, Thomas**, Executive M.B.A., M.S., Healthcare Policy and Research

**Jumbo, Adiebonye**, M.S., Clinical Epidemiology and Health Services Research. Advisors: Carla Boutin-Foster, Mohammad Faysel, and June Kume. **Thesis:** *Health Informatics Student Satisfaction with Internship Experience: An Exploratory Study*

**Kakavelos, Marina**, Executive M.B.A., M.S., Healthcare Policy and Research

**Kaplan, Alyson**, M.S., Clinical Epidemiology and Health Services Research. Advisor: Robert Brown Jr. **Thesis:** *Improving the Quality of End-of-Life Care in Patients with Cirrhosis*

**Khatun, Monoara**, M.S., Health Sciences for Physician Assistants. Advisor: Devika Gajria. **Thesis:** *The Impact of Metabolically Supported Chemotherapy with the Ketogenic Diet in Patients with Advanced Endometrial Cancer*

**Krushena, Katherine Elizabeth**, M.S., Health Sciences for Physician Assistants. Advisor: Alexis Melnick. **Thesis:** *Anorexia and the Long-Term Effects on Fertility*

**Labra Villena, Christian Andrew**, M.S., Health Sciences for Physician Assistants. Advisor: Joshua Dines. **Thesis:** *Evaluation of the Combined Use of Physical and Psychological Assessment Tools to Prevent Reinjury of Primary ACL Reconstruction*

**Letica-Kriegel, Allison**, M.S., Clinical and Translational Investigation. Advisor: Alvin Mushlin. **Thesis:** *Implementation, Feasibility and Perception of a Novel Inpatient Patient-Reported Outcomes Platform for Pediatric Patients Undergoing Cancer Surgery: A Mixed-Methods Study*

**Li, Brent**, M.S., Health Sciences for Physician Assistants. Advisor: Christopher Starr. **Thesis:** *The Role of Mesenchymal Stem Cells in Treating Advanced Corneal Disease*

**Liang, Priscilla**, M.S., Population Health Sciences. Advisor: Yuhua Bao. **Thesis:** *Isolation-Related EMS Events During COVID-19*

**Lilavois-Raymond, Valencia**, Executive M.B.A., M.S., Healthcare Policy and Research

**Lipkind, Mark**, Executive M.B.A., M.S., Healthcare Policy and Research

**Liu, Alex**, Executive M.B.A., M.S., Healthcare Policy and Research

# Masters of Science

May 19, 2022 (continued)

**Lock, Melanie Hannah**, M.S., Health Sciences for Physician Assistants. Advisor: Karen Acker. **Thesis:** *Utilizing DMARDS and Antibiotics as a First-Line Therapy in Antibiotic-Refractory Lyme Arthritis in Pediatric Patients*

**Loftus, Matthew Alexander**, Executive M.B.A., M.S., Healthcare Policy and Research

**Mani, Akshay**, Executive M.B.A., M.S., Healthcare Policy and Research

**Mardukhayev, Rafoil**, M.S., Health Sciences for Physician Assistants. Advisor: Keith LaScalea. **Thesis:** *The Efficacy of the Ketogenic Diet in Achieving Long-Term Weight Loss Over Five Years in Overweight/Obese Patients with Type 2 Diabetes*

**McCue, William Valentine**, Executive M.B.A., M.S., Healthcare Policy and Research

**Medina, Ingrid Stephanie**, M.S., Health Sciences for Physician Assistants. Advisor: Richard Lee. **Thesis:** *Effectiveness of D-Mannose Supplementation in Uncomplicated UTI Prophylaxis in Women*

**Mehra, Udit Raj**, Executive M.B.A., M.S., Healthcare Policy and Research

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

**Moreno, Lisa**, Executive M.B.A., M.S., Healthcare Policy and Research

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

**Moyer, Truc Kim Phan**, Executive M.B.A., M.S., Healthcare Policy and Research

**Mynard, James Nathan**, M.S., Clinical Epidemiology and Health Services Research. Advisor: Nasser Altorki. **Thesis:** *Identifying Opportunities for Optimizing the Care of Patients with Lung Cancer*

**Nessenthaler, Frank Patrick**, Executive M.B.A., M.S., Healthcare Policy and Research

**Neumann, Emma**, M.S., Health Sciences for Physician Assistants. Advisor: Harsimran Singh. **Thesis:** *Screening Methodology of Functionality for Patients Undergoing Transcatheter Aortic Valve Replacement*

**O'Kane, Christine Marie**, M.S., Health Sciences for Physician Assistants. Advisor: Joseph Murray. **Thesis:** *Intranasal Oxytocin as an Adjunctive Therapy for Post-Traumatic Stress Disorder*

**Olaye, Iredia Monique**, M.S., Clinical Epidemiology and Health Services Research. Advisors: Carla Boutin-Foster and Azizi Seixas. **Thesis:** *The Digital Future of Medicine: Using Real-World Data to Improve Equitable Clinical Care and Accelerating Artificial Intelligence in Medicine Through Investment and Innovation*

**Olazabal, Gabriella**, M.S., Health Sciences for Physician Assistants. Advisor: Jeffrey Dayton. **Thesis:** *Cardiac Rehabilitation in Pediatric Patients with Ventricular Assist Devices*

**Pan, Zhi-Lin**, M.S., Computational Biology. Advisors: Hagen Tilgner and Iman Hajirasouliha. **Thesis:** *Identifying Allele-Specific Isoform Expression Using Long-Read RNA Sequencing*

**Park, Angela**, M.S., BCMB Allied Program. Advisor: Andrew Koff

**Park, Jeong Ho**, M.S., Population Health Sciences. Advisor: Arian Jung. **Thesis:** *The Quality of Care Provided by Hospitalists who Become SNFists*

**Patel, Mitesh Jagdish**, Executive M.B.A., M.S., Healthcare Policy and Research

**Patel, Shreena**, M.S., Health Sciences for Physician Assistants. Advisor: Jeffrey Dayton. **Thesis:** *Long-Term Neurodevelopmental Outcomes in Preterm Infants Treated with Conservative Management for a Hemodynamically Significant PDA*

**Perry, Maria**, M.S., Computational Biology. Advisors: Nikolaus Schultz and Michael Berger. **Thesis:** *Genomic Landscape and Clinical Implications in Pancreatic Ductal Adenocarcinoma with MSK-IMPACT*

**Petrullo, Daniella Patricia**, M.S., Health Sciences for Physician Assistants. Advisor: Thanakorn Jirasevijinda. **Thesis:** *The Effect of Using Spanish-Speaking Medical Professionals on Pediatric Pre-Operative Fasting Compliance*

**Petty, Bryce Jacqueline**, Executive M.B.A., M.S., Healthcare Policy and Research

**Pham, Khanh**, M.S., Clinical Epidemiology and Health Services Research. Advisor: Jennifer Downs. **Thesis:** *Effects of Schistosoma mansoni and Other Helminths on Gastrointestinal Mucosal and Cardiometabolic Diseases*

**Pineda, Valentina**, M.S., Population Health Sciences. Advisor: Natalie Benda. **Thesis:** *Supporting Health Programs in Low-Resource Settings with Health and Hope*

**Pu, Shirley**, M.S., Computational Biology. Advisors: Jan Krumsiek and Trine Krogh-Madsen. **Thesis:** *Integration of Metabolomics and Proteomics to Identify Multi-Omics Modules Associated with Alzheimer's Disease*

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

**Rajan, Vinit**, Executive M.B.A., M.S., Healthcare Policy and Research

**Ramaswamy, Anand**, Executive M.B.A., M.S., Healthcare Policy and Research

**Rameau, Anaïs**, M.S., Clinical and Translational Investigation. Advisor: Anthony Brown. **Thesis:** *Acoustic Screening of the "Wet Voice": Proof of Concept in an Ex Vivo Canine Laryngeal Model*

# Masters of Science

May 19, 2022 (continued)

**Reagan, Bennett Fernando**, M.S., Population Health Sciences. Advisor: Yuhua Bao. **Thesis:** *Isolation-Related EMS Events During COVID-19*

**Reese, Madison Elizabeth**, M.S., Health Sciences for Physician Assistants. Advisor: Peter Fabricant. **Thesis:** *The Effects of Estrogen Supplementation in Females with Hypothalamic Amenorrhea on Bone Mineral Density and Cardiovascular Biomarkers*

**Rios-Doria, Eric Vincent**, M.S., Clinical Epidemiology and Health Services Research. Advisor: Jennifer Mueller. **Thesis:** *Molecular Classification of Endometrial Carcinoma: A Novel Hybrid Approach*

**Romanski, Phillip**, M.S., Clinical and Translational Investigation. Advisor: Yuan-Shan Zhu. **Thesis:** *Evaluation of Low Anti-Müllerian Hormone Level as a Predictor of Pregnancy Outcome Following Oral and Injectable Ovulation Induction in Infertile Women*

**Sachdev, Amit H.**, Executive M.B.A., M.S., Healthcare Policy and Research

**Saghian, Daniella**, M.S., Health Sciences for Physician Assistants. Advisor: Yasmin Khakoo. **Thesis:** *Chimeric Antigen Receptor T Cells Targeting EGFRV8 in Patients with Recurrent Glioblastoma: Does Route of Administration Affect Clinical Outcomes?*

**Saldana Koppel, Daniel Alexander**, Executive M.B.A., M.S., Healthcare Policy and Research

**Sato, Jennifer Reiko**, Executive M.B.A., M.S., Healthcare Policy and Research

**Sauter, Jake Nicholas**, M.S., Computational Biology. Advisors: Elli Papaemmanuil and Ronglai Shen. **Thesis:** *A High-Performance Pipeline for Multiparameter Flow Cytometry Clustering Analysis and Trajectory Inference*

**Schmeelk, Suzanna Elizabeth**, M.S., Population Health Sciences. Advisor: Curtis Cole. **Thesis:** *EHR Security*

**Schreiber, Evan Paul**, Executive M.B.A., M.S., Healthcare Policy and Research

**Scott, Kelsey Yvanna Katherine**, M.S., Population Health Sciences. Advisor: Natalie Benda. **Thesis:** *Integrating Genomic Sequencing Information into Patient Care*

**Shah, Mahek Arvind**, Executive M.B.A., M.S., Healthcare Policy and Research

**Shan, Gururaj**, Executive M.B.A., M.S., Healthcare Policy and Research

**Siddiqui, Humaira**, Executive M.B.A., M.S., Healthcare Policy and Research

**Siegel, Caroline**, M.S., Clinical and Translational Investigation. Advisor: Kendall Smith. **Thesis:** *Clinical Sequelae and Risk Factors for Severe Outcomes Due to COVID-19 in Patients with Systemic Rheumatic Disease*

**Smigla, Alexandra Rose**, M.S., Health Sciences for Physician Assistants. Advisor: Stefan Worgall. **Thesis:** *Utilizing Omalizumab for Treatment of Chronic Idiopathic Urticaria in Children Younger than Twelve Years of Age*

**Socia, Lauren**, M.S., Health Sciences for Physician Assistants. Advisor: Veronica Lo Faso. **Thesis:** *Age-Related Immune Senescence Versus Efficacy of Disease Modifying Therapies in the Treatment of Elderly Patient Populations with Multiple Sclerosis*

**Sreerambhatla, Rakesh**, Executive M.B.A., M.S., Healthcare Policy and Research

**Sterling, Liana**, Executive M.B.A., M.S., Healthcare Policy and Research

**Sucala, Laura Madalina**, Executive M.B.A., M.S., Healthcare Policy and Research

**Tang, Sydney Jao**, M.S., Health Sciences for Physician Assistants. Advisor: Brandon Aden. **Thesis:** *The Use of Probiotics as Adjuvant Therapy in Patients with Type 2 Diabetes Mellitus*

**Torzilli, Claudia**, M.S., Health Sciences for Physician Assistants. Advisor: Stephen T. Chasen. **Thesis:** *The Use of Progesterone in Preventing Prematurity*

**Tsukuda, Asuka**, Executive M.B.A., M.S., Healthcare Policy and Research

**Udochi, Njideka**, Executive M.B.A., M.S., Healthcare Policy and Research

**Valerio, TylerAnne**, M.S., Health Sciences for Physician Assistants. Advisor: Carl Crawford. **Thesis:** *Efficacy of the Autoimmune Paleo Diet for the Treatment of Adult Patients with Mild to Moderate Crohn's Disease*

**Waite, Carolyn Marie**, M.S., Health Sciences for Physician Assistants. Advisor: Alexander Merkle. **Thesis:** *The Use of Mesenchymal Stem Cell Therapy in the Management of Spinal Cord Injuries*

**Wang, Brian**, M.S., Population Health Sciences. Advisor: Meghan Turchioe. **Thesis:** *Developing Prototypes of Interactive Decision Aids for Patients with Atrial Fibrillation*

**Wang, Shao-Pang**, M.S., Population Health Sciences. Advisor: Yiye Zhang. **Thesis:** *Code Torsion: A Novel, Multidisciplinary Clinical Pathway to Expedite the Emergency Department Management of Ovarian and Testicular Torsion*

**White, Audrey Ella April**, M.S., Health Sciences for Physician Assistants. Advisor: Raymond Pastore. **Thesis:** *Thrombotic Risk Stratification in aPL Carriers Using Beta-2 Glycoprotein-1 Anti-Domain 1 and Anti-Domain 5 Antibodies*

**Winnestaffer, Nora Mira Husani**, Executive M.B.A., M.S., Healthcare Policy and Research



# Masters of Science

May 19, 2022 (continued)

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

**Woo, Alan**, M.S., Population Health Sciences. Advisor: Natalie Benda. **Thesis:** *Supporting Health Programs in Low-Resource Settings with Health and Hope*

**Xu, Yingjuan**, M.S., Population Health Sciences. Advisor: Yiye Zhang. **Thesis:** *Outcomes of 72-hour Emergency Department Return Visits Requiring Hospital Admissions in Younger and Older Adults*

**Zein, Fairuz Sara**, Executive M.B.A., M.S., Healthcare Policy and Research

**Zeng, Zheqing**, M.S., Population Health Sciences. Advisor: Meghan Turchioe. **Thesis:** *Developing Prototypes of Interactive Decision Aids for Patients with Atrial Fibrillation*

**Zetoune, Tarek Samih**, Executive M.B.A., M.S., Healthcare Policy and Research

**Zhang, Mingxuan**, M.S., Computational Biology. Advisors: Nikolaus Schultz and Bandlamudi Chaitanya. **Thesis:** *Discovery of In Frame Indel Somatic Driver Mutations in Cancer from MSK-IMPACT Clinical Sequencing Data*

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## August 31, 2022

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

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

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

**Anderson, Ashley Maree**, M.S., Population Health Sciences

**Bernard, Shawn Bowen**, M.S., Population Health Sciences

**Chen, Peizheng**, M.S., Population Health Sciences

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

**Chen, Yanyan**, M.S., Population Health Sciences

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

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

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

**Dai, Zhuojun**, M.S., Population Health Sciences. 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., Population Health Sciences

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

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

**Fan, Jiaqi**, M.S., Population Health Sciences

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

**Gemson, Edward**, M.S., Population Health Sciences

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

**Gokulakrishnan, Harshini**, M.S., Population Health Sciences. 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., Population Health Sciences. Advisor: Curtis Cole. **Thesis:** *Compare Published Conflicts of Interest with Publication Disclosures*

**Huang, Xueqi**, M.S., Population Health Sciences

**Julian, Ellie**, M.S., Population Health Sciences. 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., Population Health Sciences

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

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

**Lai, Po-hsuan**, M.S., Population Health Sciences

**LaQuaglia, Michael J.**, M.S., Population Health Sciences

# Masters of Science

August 31, 2022 (continued)

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

**Li, Ruijie**, M.S., Population Health Sciences. Advisor: Braja Patra. **Thesis:** *Advancing Dataset Recommendation System using Deep Learning Techniques*

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

**Li, Ying**, M.S., Population Health Sciences

**Liu, Anni**, M.S., Population Health Sciences

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

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

**Lu, Dingxin**, M.S., Population Health Sciences

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

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

**Natarajan, Harshani**, M.S., Population Health Sciences

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

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

**Oh, Seongeun**, M.S., Population Health Sciences

**Pan, Di**, M.S., Population Health Sciences

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

**Patel, Aman Neelam**, M.S., Population Health Sciences

**Peng, Maosen**, M.S., Population Health Sciences

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

**Shaikh, Bilal Afroz**, M.S., Population Health Sciences. Advisor: Tom Campion. **Thesis:** *Natural Language Processing to Support Cancer Clinical Trial Recruitment*

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

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

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

**Wang, Manqi**, M.S., Population Health Sciences

**Whalen, William**, M.S., Population Health Sciences

**Wu, Tai**, M.S., Population Health Sciences. 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., Population Health Sciences. Advisor: Mark Weiner. **Thesis:** *Exploring Heterogeneity in Patient Cohorts Across Institutions Despite Applications of a Common Data Model*

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

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

**Yu, Zilong**, M.S., Population Health Sciences

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

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

**Zhang, Xinyue**, M.S., Population Health Sciences. Advisor: Braja Patra. **Thesis:** *Advancing Dataset Recommendation System using Deep-Learning Techniques*

**Zhang, Yike**, M.S., Population Health Sciences

**Zhang, Yuxin**, M.S., Population Health Sciences

**Zhu, Jin**, M.S., Population Health Sciences

**Zhu, Yanruyu**, M.S., Population Health Sciences

# Doctors of Philosophy

August 31, 2021

**Acosta, Diana Mercedes**, Ph.D., Neuroscience. Advisor: David Eliezer. **Thesis:** *Tau Structure, Function, and Aggregation: A Piece of the Alzheimer's Disease Puzzle*

**Chen, Ruoyao**, Ph.D., Cell and Developmental Biology. Advisor: Michael Overholtzer. **Thesis:** *Cell Death Responses to UV Radiation*

**Ciftci, Hatice Didar**, Ph.D., Tri-Institutional Chemical Biology Program. Advisor: Olga Boudker. **Thesis:** *Linking Dynamics and Function in Glutamate Transporters at Single Molecule Resolution*

**Dikiy, Stanislav**, Ph.D., Immunology and Microbial Pathogenesis. Advisor: Alexander Rudensky. **Thesis:** *The Role of Epigenetic Regulation of FoxP3 Expression and Regulatory T Cell Differentiation in Supporting Immune Tolerance and Organismal Homeostasis*

**Fetcho, Robert**, Ph.D., Neuroscience. Advisor: Conor Liston. **Thesis:** *Frontolimbic Circuit Mechanisms Underlying Anxiety, Social Behavior and Effort-Based Decision-Making*

**Li, Thomas Ka Ho**, Ph.D., Neuroscience. Advisor: Yue Ming Li. **Thesis:** *The Regulation of Gamma Secretase by Hypoxia Inducible Factor-1: Implications for Alzheimer's Disease and Cancer*

**Marderstein, Andrew Reid**, Ph.D., Tri-Institutional Computational Biology and Medicine Program. Advisors: Olivier Elemento and Andrew Clark. **Thesis:** *Analyzing Modifiable Risk Factors in Disease Using Human Genetic Variation*

**Reed, Harry Jackson**, Ph.D., Physiology, Biophysics and Systems Biology. Advisors: Kirk Deitsch and Christopher Mason. **Thesis:** *Telomere Length Dynamics and Genome Stability in Response to DNA Damage in Plasmodium falciparum*

**Richardson, Chanel**, Ph.D., Pharmacology. Advisor: Robert Schwartz. **Thesis:** *Leveraging Induced Pluripotent Stem Cell Derived Hepatocyte Like Cells to Understand Liver Biology*

**Schild, Tanya**, Ph.D., Biochemistry and Structural Biology. Advisor: John Blenis. **Thesis:** *Contributions of NADK to the Tumorigenic Process*

**Tang, Colin**, Ph.D., Pharmacology. Advisors: Ingo Mellinshoff and Olivier Elemento. **Thesis:** *Paradoxical GCN2 Kinase Activation Enhances Antitumor Activity of Kinase Inhibitors*

**Taylor, Samuel Robert\***, Ph.D., Biochemistry and Structural Biology. Advisors: Marcus Goncalves and Lewis Cantley. **Thesis:** *Dietary Fructose Improves Intestinal Cell Survival and Nutrient Absorption*

**Weiss, Joshua\***, Ph.D., Cell and Developmental Biology. Advisor: Richard White. **Thesis:** *Anatomic Position Determines Oncogenic Specificity in Melanoma*

December 31, 2021

**Acosta-Ruiz, Amanda**, Ph.D., Biochemistry and Structural Biology. Advisor: Joshua Levitz. **Thesis:** *Interrogating the Spatiotemporal Dynamics of Group I Metabotropic Glutamate Receptor Signaling*

**Adefisayo, Oyindamola Oyinkansola**, Ph.D., Immunology and Microbial Pathogenesis. Advisor: Michael Glickman. **Thesis:** *Transcriptional and Post-Translational Regulation of the DNA Damage in Mycobacteria*

**Antonelli, Anthony Claude**, Ph.D., Immunology and Microbial Pathogenesis. Advisor: Michael Glickman. **Thesis:** *Mechanisms of Anti-Tumor Immunity Induced by Mycobacterium bovis BCG Therapy for Bladder Cancer*

**Behr, Julie Marie**, Ph.D., Tri-Institutional Computational Biology and Medicine Program. Advisor: Marcin Imielinski. **Thesis:** *Loose Ends in Cancer Genome Structure*

**Campanella, Gabriele**, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: Thomas Fuchs. **Thesis:** *Diagnostic Decision Support Systems for Computational Pathology in Cancer Care*

**Chen, Rosa Jiawei**, Ph.D., Neuroscience. Advisor: Miklos Toth. **Thesis:** *Maternal Programming of Offspring Behavior and Immunity*

**Chu, Karen Lai Len**, Ph.D., Pharmacology. Advisors: Michael Kharas and Christina Leslie. **Thesis:** *Identifying the Musashi-2 Targeting Network and its Functional Impact in Normal and Malignant Blood*

**Danko, David**, Ph.D., Tri-Institutional Computational Biology and Medicine Program. Advisor: Christopher Mason. **Thesis:** *Characterizing the Urban Microbiome and Human Response to the Ecosystem of the Built Environment*

**Fortea Verdejo, Eva**, Ph.D., Physiology, Biophysics and Systems Biology. Advisors: Olga Boudker and Alessio Accardi. **Thesis:** *Structural Basis of Common Gate Activation in a CLC Transporter*

**Gearty, Sofia Elena Vaccarino\***, Ph.D., Immunology and Microbial Pathogenesis. Advisor: Andrea Schietinger. **Thesis:** *Autoimmune CD8 T Cell Differentiation and Fate Diversification in Type 1 Diabetes*

**Griswold, Andrew Raab\***, Ph.D., Pharmacology. Advisor: Daniel Bachovchin. **Thesis:** *Characterization of the DPP8/9 Pyroptotic Checkpoints*

**Gutzeit, Vanessa**, Ph.D., Neuroscience. Advisor: Joshua Levitz. **Thesis:** *Optical Studies of Metabotropic Glutamate Receptor 2 Pharmacology and Neuromodulation in Psychiatric Disorders*

# Doctors of Philosophy

December 31, 2021 *(continued)*

**Kam, Christina Wai-lin**, Ph.D., Molecular Biology. Advisor: Samie Jaffrey. **Thesis:** *Selective Epigenetic Reactivation with an RNA-Binding Small Molecule in Fragile X Syndrome*

**Kubala, Jaclyn Marie**, Ph.D., Pharmacology. Advisors: Lorraine Gudas and Daniel Heller. **Thesis:** *The Role of NADH Dehydrogenase [Ubiquinone] 1 Alpha Subcomplex 4-Like-2 in Clear Cell Renal Cell Carcinoma*

**Langenbacher, Rachel Eleanor**, Ph.D., Pharmacology. Advisor: Daniel Heller. **Thesis:** *In Situ Hybridization Nanoprobes to Investigate Mu-Opioid Receptor Alternative Splicing*

**Liao, George Pu-Jie**, Ph.D., Pharmacology. Advisor: Yueming Li. **Thesis:** *The Role of Gamma-Glutamyltransferase1 in the Regulation of Gamma-Secretase Activity in the Healthy and Diseased Kidney*

**Low, Vi Vien**, Ph.D., Biochemistry and Structural Biology. Advisor: John Blenis. **Thesis:** *Metabolic Alterations Driving Metastatic Communication and Progression in Cancer*

**Maskin, Carolyn Rachel**, Ph.D., Cell and Developmental Biology. Advisor: Yariv Houvras. **Thesis:** *PPP6C, a Serine-Threonine Phosphatase, Regulates Melanocyte Differentiation and Contributes to Melanoma Tumorigenesis Through Modulation of MITF Activity*

**Moyer, Allison\***, Ph.D., Cell and Developmental Biology. Advisor: Emily Cheng. **Thesis:** *Tumor-Immune Crosstalk in a Recently Characterized Form of BAX/BAK-Dependent Cell Death*

**Muhammad, Hassan**, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: Thomas Fuchs. **Thesis:** *Leveraging Deep Learning on Medical Imaging and Digital Pathology for Disease Detection and Prognostic Modelling*

**Nagle, Veronica Leigh**, Ph.D., Pharmacology. Advisors: Jason Lewis and Ingo Mellinghoff. **Thesis:** *ImmunoPET Imaging Tumor Infiltrating Lymphocytes in Brain Tumors*

**Rao, Sahana D.**, Ph.D., Tri-Institutional Chemical Biology Program. Advisor: Daniel Bachovchin. **Thesis:** *Discovery and Characterization of NLRP1 Inflammasome Activators*

**Sanford, R. Lea**, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: Olaf Andersen. **Thesis:** *Membranes Matter: Exploring Lipid-Bilayer Perturbation from Small Bioactive Molecules and Implications for Cytotoxicity*

**Schad, Sara**, Ph.D., Immunology and Microbial Pathogenesis. Advisors: Jedd Wolchok and Taha Merghoub. **Thesis:** *Identifying the Origination, Differentiation, and Functions of CD4+CD8+ T Cells in Cancer*

**Talishinsky, Aleksandr\***, Ph.D., Neuroscience. Advisor: Conor Liston. **Thesis:** *Distinct Transcriptomic Signatures Support Sex-Specific Circuit Changes in Major Depression*

**Torok, Justin**, Ph.D., Tri-Institutional Computational Biology and Medicine Program. Advisors: Ashish Raj and Conor Liston. **Thesis:** *Computational Models for Neurodegenerative Disease: Inferred Regional Origins, Directional Spread Bias, and Selective Vulnerability*

**Tully, Kathryn Margaret**, Ph.D., Pharmacology. Advisors: Jason Lewis and Charles Rudin. **Thesis:** *Radioimmunotherapy and ImmunoPET Imaging Targeting Delta-like Ligand 3 in Small Cell Lung Cancer*

**Weiss, Nicole Anastasia**, Ph.D., Biochemistry and Structural Biology. Advisor: Minkui Luo. **Thesis:** *Leveraging BPPM Technology to Investigate Noncanonical Histone Targets of Protein Methyltransferases DOT1L and NSD2*

**Xie, Xihe**, Ph.D., Neuroscience. Advisor: Ashish Raj. **Thesis:** *Model Based Analysis of Multimodal Neuroimaging: From Neural Masses to Spectral Graph Theory*

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**May 19, 2022**

**Abreu, Nohely Cesarina**, Ph.D., Biochemistry and Structural Biology. Advisor: Joshua Levitz. **Thesis:** *Investigation of the Regulatory Mechanisms of Neuromodulatory G Protein-Coupled Receptors*

**Argueta, Lissenya Beatriz**, Ph.D., Immunology and Microbial Pathogenesis. Advisor: Heidi Stuhlmann. **Thesis:** *Roles of EGFL7 in Vascular Lineage Specification and Impact of SARS-CoV-2 Infection on the Placenta*

**Bielski, Craig Matthew**, Ph.D., Tri-Institutional Computational Biology and Medicine Program. Advisor: Nikolaus Schultz. **Thesis:** *The Evolutionary Significance and Clinical Ramifications of Mutant Allele IM.B.A.lance*

**Buch, Amanda Marie**, Ph.D., Neuroscience. Advisors: Natalia De Marco García and Conor Liston. **Thesis:** *Identifying Multimodal Neuropsychiatric Variation Using Machine Learning: Atypical Brain Connectivity Patterns in Autism Spectrum Disorder Explain Individual Differences in Behavior and Gene Expression*

**Buyukozkan, Mustafa**, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: Jan Krumsiek. **Thesis:** *Ranking-Based Methods as a Versatile Statistical Formulation for the Analysis of Complex Biomedical Data and Patient Subgroup Identification*

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

# Doctors of Philosophy

May 19, 2022 (continued)

**Deshpande, Aditya**, Ph.D., Tri-Institutional Computational Biology and Medicine Program. Advisor: Marcin Imielinski. **Thesis:** *Background Models for Linear and High Order Three-Dimensional Genome Structure*

**Doron, Itai**, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: Iliyan Iliev. **Thesis:** *Antibody-Mediated Immunity by the Commensal Mycobiota Protects Against Gut-Disseminated Fungal Infections and Maintains Fungal Commensalism in the Gut*

**Dorso, Madeline Anne**, Ph.D., Pharmacology. Advisor: Sarat Chandralapaty. **Thesis:** *Characterization of the FoxA1-Glucocorticoid Receptor Complex as a Therapeutic Target in Non-Small Cell Lung Cancer*

**Elzein, Arijh**, Ph.D., Pharmacology. Advisor: David Solit. **Thesis:** *Predicting Oncogenic p110 Mutants Using a Quantitative Paralogy Algorithm*

**Forbes, Andre Neil**, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: Ekta Khurana. **Thesis:** *Cancer Regulatory Networks and Susceptibilities: A Computational Framework to Identify Novel Therapeutic Targets in Cancer*

**Fowler, Faith Christina**, Ph.D., Pharmacology. Advisor: Jessica Tyler. **Thesis:** *The Regulation of DNA End Resection at DNA Double Strand Breaks*

**Grigg, John Benjamin**, Ph.D., Immunology and Microbial Pathogenesis. Advisor: Gregory Sonnenberg. **Thesis:** *Antigen Presenting Group 3 Innate Lymphoid Cells Orchestrate Pathology and Tolerance in Neuroinflammation*

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

**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 and Systems Biology. **Advisor:** Marcin Imielinski. **Thesis:** *Complex Structural Variants Interpreted Through Graph Representation of Cancer Genomes*

**Harris, Chantal Tashae**, Ph.D., Immunology and Microbial Pathogenesis. Advisor: Björn Kafsack. **Thesis:** *Metabolic Regulation of Sexual Differentiation in Human Malaria Parasites*

**Hebert, Jakob**, Ph.D., Tri-Institutional Chemical Biology Program. Advisor: Yael David. **Thesis:** *The SWI/SNF-related Protein SMARCA3 is a Histone H3K23 Ubiquitin Ligase that Regulates H3K9me3 in Cancer*

**Hergenreder, Emiliano Josué**, Ph.D., Neuroscience. Advisor: Lorenz Studer. **Thesis:** *Phenotypic Screen Identifies a Combined Small Molecule Strategy to Accelerate the Maturation of Human Stem Cell-Derived Neurons*

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

**Jayewickreme, Chenura D.**, Ph.D., Cell and Developmental Biology. Advisor: Luis Parada. **Thesis:** *Oligodendrocyte Progenitor Cells in Glioma: An Exploration*

**Jukic, Nebojsa**, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: Simon Scheuring. **Thesis:** *High-Speed AFM Provides Mechanistic Insights into Membrane Deformation Mediated by the Endosomal Sorting Complex Required for Transport III (ESCRT-III)*

**Kling, Christina Louise**, Ph.D., Biochemistry and Structural Biology. Advisor: Gregory Petsko. **Thesis:** *Reexamining the Mechanism by Which Upf Proteins Suppress FUS Toxicity in a Yeast Model of ALS*

**Kulm, Scott Daniel**, Ph.D., Physiology, Biophysics and Systems Biology. Advisors: Olivier Elemento and Jason Mezey. **Thesis:** *Modeling Improvements of Genetic Risk Predictors*

**Letian, Anudari**, Ph.D., Biochemistry and Structural Biology. Advisor: Tim McGraw. **Thesis:** *Unveiling the Intracellular Biology of PD-L1 in Non-transformed and Cancer Lung Epithelial Cells*

**Li, Christy**, Ph.D., Biochemistry and Structural Biology. Advisor: Richard Kolesnick. **Thesis:** *Activation of Acid Sphingomyelinase Signaling via Single-Dose Radiotherapy Converts Radiation-Resistant LGR5+ Cancer Stem Cells into Radiation-Sensitive Cells*

**Li, Xiang**, Ph.D., Cell and Developmental Biology. Advisor: Scott Lowe. **Thesis:** *Preclinical Modeling and Assessment of CDK9 Inhibition in Chronic Liver Disease and Cancer*

**Lora, Jose Naftali**, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: Carl Blobel. **Thesis:** *Regulation of ADAM17, a Key Molecule in Inflammation and EGF-R Signaling, by its Cytoplasmic Domain*

**Maksimovic, Igor**, Ph.D., Tri-Institutional Chemical Biology Program. Advisor: Yael David. **Thesis:** *A Chemical Toolbox to Study Histone Glycation*

**Metz, Maeva Laura**, Ph.D., Immunology and Microbial Pathogenesis. Advisor: Randy Longman. **Thesis:** *Adherent Invasive Escherichia coli Regulates Intestinal and Systemic Immunity in Health and Crohn's Disease*

# Doctors of Philosophy

May 19, 2022 *(continued)*

**Nötzel, Christopher**, Ph.D., Molecular Biology. Advisor: Björn Kafsack. **Thesis:** *Uncovering Mechanisms of Differentiation and Drug Resistance in Malaria Parasites Using Single-Cell Transcriptional Profiling*

**Orth-He, Elizabeth**, Ph.D., Tri-Institutional Chemical Biology Program. Advisor: Daniel Bachovchin. **Thesis:** *Aminopeptidase Inhibition Activates the CARD8 and NLRP1 Inflammasomes*

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

**Rivera, Jean Karlo**, Ph.D., Neuroscience. Advisor: Kristen Pleil. **Thesis:** *Valence and Salience Encoding by Converging Thalamic Circuits*

**Saad, Syed Zammam**, Ph.D., Neuroscience. Advisor: Frederick Maxfield. **Thesis:** *Identifying Chaperone Proteins that Fold Mutant NPC1*

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

**Standke, Lisa Charlotte**, Ph.D., Pharmacology. Advisor: Derek Tan. **Thesis:** *Development of Pharmacologically Optimized Inhibitors of M. tuberculosis MbtA as Novel Antibiotics*

**Stater, Evan Paul**, Ph.D., Pharmacology. Advisor: Jan Grimm. **Thesis:** *Improving the Response of a Treatment-Refractory Cancer to Monoclonal Antibody Immunotherapy by Nanodelivery of an Immunostimulatory Adjunct Drug*

**Tagiltsev, Grigory**, Ph.D., Physiology, Biophysics and Systems Biology. Advisor: Simon Scheuring. **Thesis:** *A High-Speed AFM Study and Theoretical Modeling of Clathrin-Coated Pit Maturation*

**Wang, Mitchell Sang**, Ph.D., Pharmacology. Advisor: Morgan Huse. **Thesis:** *Mechanoregulation of Cytotoxic T Lymphocyte Killing*

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

**Xie, Chensu**, Ph.D., Tri-Institutional Computational Biology and Medicine Program. Advisor: Thomas Fuchs. **Thesis:** *At the Cutting Edge of Computational Pathology: From Domain Knowledge Representation to Explorative Modelling*

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

# Alumni Award of Distinction 2022

## Weill Cornell Graduate School of Medical Sciences

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### **John D. MacMicking, Ph.D. '97**

Dr. John MacMicking is a Howard Hughes Medical Institute (HHMI) Investigator, a tenured professor in the Departments of Immunobiology and Microbial Pathogenesis at Yale University School of Medicine, and a member of the Yale Systems Biology Institute. He received his bachelor's degree in synthetic organic chemistry and biochemistry from the Australian National University with first class honors and his doctorate from Weill Cornell Graduate School of Medical Sciences.

While at the Australian National University, Dr. MacMicking conducted thesis work in the Department of Immunology and Cell Biology, formerly headed by Nobel laureate Peter Doherty, at the John Curtin School of Medical Research. In 1991, he came to the United States to pursue graduate studies with Dr. Carl Nathan in the immunology program at Weill Cornell Graduate School of Medical Sciences before being selected as an HHMI Life Science Research Foundation Fellow to conduct post-doctoral work at The Rockefeller University. He remained an adjunct assistant professor at Rockefeller when he joined Yale in 2004.

At Weill Cornell Graduate School of Medical Sciences, Dr. MacMicking's doctoral dissertation described the first knockout of an innate immune effector gene in mammals: inducible nitric oxide synthase (iNOS). It served as an early paradigm for host defense against bacterial, viral and parasitic infections. At Rockefeller, he identified and began functionally characterizing a complete immune GTPase superfamily operating against all pathogen classes.

For these discoveries, Dr. MacMicking has been named a Searle Scholar, Cancer Research Institute Investigator, Burroughs Wellcome Fund Investigator, Crohn's & Colitis Foundation Senior Research awardee, American Asthma Foundation Scholar and Kenneth Rainin Foundation Innovator. In 2015, he was chosen as an HHMI Investigator.

# **Siegel Family Faculty Awards 2022**

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# Jeanne and Herbert Siegel Award for Excellence in Medical Education

## Kemi Babagbemi, M.D.

Dr. Kemi Babagbemi is an associate professor of clinical radiology at Weill Cornell Medicine and serves as the inaugural vice chair for diversity, equity and inclusion in the Department of Radiology. She earned her bachelor's degree, summa cum laude, from Georgia State University and was awarded her medical degree from Harvard Medical School. She completed her residency training in diagnostic radiology at the Brigham and Women's Hospital, where she was elected chief radiology resident.

Early in her career, Dr. Babagbemi became keenly aware of the need to eliminate disparities in health care and reduce obstacles to prevention and detection of disease as it relates to her chosen field of radiology. Ever since, she has been committed to building and strengthening a culturally informed and responsive medical environment while ensuring that every aspect of Weill Cornell Medicine radiology is fair and impartial, including trainee admissions, faculty hiring, education, mentorship, research and patient care. Dr. Babagbemi has been continually active and involved in teaching medical students, radiology residents, other physicians and medical professionals. As an educator, she served as assistant program director of the radiology residency program from 2006 to 2014, course director and assistant director for several courses and educational programs from 2010 to 2020, and instructor for the hospital medicine clinical point of care ultrasound fellowship, among many other educational roles.

From the start of the COVID-19 pandemic, she has been an educator using multiple mediums to speak ardently to the community and other health professionals as part of the speakers' bureau for vaccine education, locally and internationally. She has been featured in Weill Cornell Medicine's Back to Health Podcast, the American College of Radiology's journal Bulletin and Spirit of Nigeria Radio. In 2019, she was chosen as the faculty scholar in health equity for the Diversity Center for Excellence.

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# Jeanne and Herbert Siegel Award for Outstanding Medical Research

## David Artis, Ph.D.

Dr. David Artis is the inaugural Michael Kors Professor of Immunology, director of the Jill Roberts Institute for Research in Inflammatory Bowel Disease and director of the Friedman Center for Nutrition and Inflammation at Weill Cornell Medicine. Dr. Artis received his bachelor's degree from the University of Glasgow (United Kingdom); he completed his doctoral research training at the University of Manchester (United Kingdom), focusing on regulation of immunity and inflammation in the intestine. Following receipt of a Wellcome Trust Prize Traveling Fellowship, he undertook his post-doctoral fellowship training at the University of Pennsylvania, where he continued his research in examining the regulation of immune responses at barrier surfaces. Prior to joining Weill Cornell Medicine, Dr. Artis was on the faculty of the University of Pennsylvania.

Dr. Artis has developed a research program focused on dissecting the pathways that regulate innate and adaptive immune cell function and host-microbiota interactions at barrier surfaces in the context of health and disease. He has also pioneered multidisciplinary approaches to dissect cellular and molecular pathways that control the gut-brain axis. His research program encompasses a significant effort to translate research findings in pre-clinical models into patient-based studies of immune-mediated diseases.

Dr. Artis is funded by the National Institutes of Health, the Crohn's & Colitis Foundation (CCFA) and the Burroughs Wellcome Fund. He has been the recipient of Young Investigator Awards from the American Association of Immunologists (AAI), the CCFA and the International Cytokine and Interferon Society. Additionally, he has been awarded the Colyton Prize, the Stanley Cohen Prize and the AAI-BD Biosciences Investigator Award.

# Jeanne and Herbert Siegel Faculty Development Award

## Susana Rita Morales, M.D.

Dr. Susana Morales is an associate professor of clinical medicine at Weill Cornell Medicine and serves as vice chair for diversity in the Joan and Sanford I. Weill Department of Medicine. Dr. Morales was raised in New York, attended public schools and then Harvard University, where she received her Bachelor of Arts degree in biology. She obtained her medical degree from the Columbia University Vagelos College of Physicians and Surgeons and completed her residency training in internal medicine at NewYork-Presbyterian/Columbia University Irving Medical Center.

Dr. Morales has special interests in the psychosocial aspects of medicine, diversity in the health-care workforce, health policy, immigrant health, health disparities and community vaccine education. In 2018, she became the principal investigator of the Weill Cornell Medicine Diversity Center of Excellence of the Cornell Center for Health Equity upon receiving a grant of \$2.7 million from the Health Resources Services Administration of the U.S. Department of Health and Human Services. The Diversity Center of Excellence's mission is to enhance diversity in medicine and health care and to promote health equity through research, education, advocacy and community engagement.

Dr. Morales is a board member of the United Hospital Fund and the Latino Commission on AIDS. She is the recipient of numerous honors, including the J. James Smith Memorial Award, presented by the NewYork-Presbyterian/Weill Cornell Medical Center housestaff to "a member of the attending staff who exemplifies the qualities of Teacher, Scholar, and Physician," the Bruce Laine Ballard, M.D., Award for Excellence in Mentoring, presented by the Weill Cornell Medicine Office of Faculty Diversity, and the Leonard Tow Humanism in Medicine Award, presented by the Arnold P. Gold Foundation. Most recently, Dr. Morales was named 2022 Physician of the Year by the National Hispanic Medical Association.

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# Donald J. D'Amico, M.D., Award for Excellence in Ophthalmology

## Gary J. Lelli Jr., M.D.

Dr. Gary Lelli is associate professor of ophthalmology at Weill Cornell Medicine and serves as vice chair of the Department of Ophthalmology. Dr. Lelli received his bachelor's degree, magna cum laude, from the University of Michigan and received his medical degree from Icahn School of Medicine at Mount Sinai, where he was selected junior Alpha Omega Alpha and graduated with the highest academic distinction in his class. He completed his residency at the Michigan Medicine W.K. Kellogg Eye Center, where he was elected chief resident in his final year. Dr. Lelli completed a two-year fellowship in oculofacial plastic surgery in New York City at Columbia University Irving Medical Center; Manhattan Eye, Ear and Throat Hospital; New York Eye and Ear Infirmary; and New York University.

In addition to his role as vice chair, Dr. Lelli serves his department as co-chair for quality and patient safety, director of the oculofacial plastic surgery service and primary preceptor for a highly coveted two-year fellowship accredited through the American Society of Oculofacial Plastic and Reconstructive Surgery (ASOPRS). Dr. Lelli specializes in oculoplastic surgery – plastic and reconstructive surgery of eyelids, orbit and lacrimal system. He values his relationships with his patients, collaborative academic endeavors and contributing to Weill Cornell Medicine's mission to care, discover and teach.

Nationally, Dr. Lelli serves in numerous leadership roles for ASOPRS, including chair of the program directors committee and charter member of the branding and marketing committee. Internationally, he is the director of the Open Medical Institute Ophthalmology Seminar held annually in Salzburg, Austria in conjunction with Weill Cornell Medicine and the American Austrian Foundation.

# Jeanne and Herbert Siegel Award for Excellence in Emergency Medicine

## Peter Wagoner Greenwald, M.D.

Dr. Peter Greenwald is an associate professor of clinical emergency medicine at Weill Cornell Medicine and serves as vice chair of clinical strategy and innovation in the Department of Emergency Medicine. Dr. Greenwald received his undergraduate degree from Williams College, his medical degree from the State University of New York Downstate Health Sciences University and completed his residency at what is now Montefiore Health System. Subsequently, he received his master's degree in biostatistics and research design from Columbia University Mailman School of Public Health.

Dr. Greenwald is fascinated by the educational and human factors of telemedicine. Through the Department of Emergency Medicine's Center for Virtual Care, he trains Weill Cornell Medical College students in the basics of telemedicine. He is interested in how telemedicine can help physicians better meet the needs of all patients and how telemedicine tools will allow emergency medicine to expand beyond constraints of time and location. He believes that provider-to-provider and provider-to-patient consultation will increase the availability of high-quality care globally. Alongside his international partners, Dr. Greenwald is currently exploring how these same tools have the potential to dramatically increase specialty education in areas where the scarcity of specialist mentors make such training challenging.

A national leader in the field, Dr. Greenwald led the early implementation of telemedicine at Weill Cornell Medicine, which began offering virtual urgent care and express care – an in-the-ED telemedicine service – in 2016. In response to the COVID-19 pandemic, and under Dr. Greenwald's direction, Weill Cornell Medicine pioneered several virtual-care innovations, including the deployment of telemedicine as "electronic PPE" in the emergency room and an enterprise-wide post-ED telemedicine safety net for discharged COVID-19 patients. Dr. Greenwald was instrumental in rapidly and remotely training physicians from an array of specialties to respond to a 20-fold increase in virtual urgent care volume, and in creating educational materials that were disseminated across the enterprise supporting the expansion of telemedicine in all specialties.

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# Richard D. Granstein, M.D., Award for Excellence in Dermatology

## Shari R. Lipner, M.D., Ph.D.

Dr. Shari Lipner is an associate professor of clinical dermatology at Weill Cornell Medicine. She completed her undergraduate studies at Dartmouth College, where she obtained a Bachelor of Arts in chemistry, summa cum laude, and graduated Phi Beta Kappa. Dr. Lipner completed her medical training at Albert Einstein College of Medicine, where she received both medical and doctoral degrees and graduated Alpha Omega Alpha. She completed her residency training in dermatology at NewYork-Presbyterian/Weill Cornell Medical Center.

Dr. Lipner is an expert in nail disorders and the primary investigator on clinical trials utilizing novel treatments for nail disorders. She has authored over 250 peer-reviewed publications and numerous book chapters. She lectures nationwide and is frequently sought out by the media for her expertise.

Dr. Lipner is a member of the American Academy of Dermatology and chair of its Public Education Committee. She is on the boards of directors for the Women's Dermatologic Society and for the Council for Nail Disorders. She is the president of The Dermatologic Society of Greater New York, co-chaired the Atlantic Dermatological Conference in 2019 and is president-elect of the New York State Society of Dermatology and Dermatologic Surgery. Dr. Lipner is on the editorial board of *Cutis* and the *Journal of the American Academy of Dermatology (JAAD)*, and dermatology section editor of *Annals of Medicine*. She is the recipient of multiple honors and awards, including the American Academy of Dermatology (AAD) Presidential Citation, AAD Academic Dermatology Leadership Program Award, Women's Dermatologic Society Mentorship Award, Weill Cornell Leadership in Academic Medicine Program Award and the JAAD Editorial Mentorship Award.

# Dean's Award for Excellence in Mentorship 2022

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## Dean's Award for Excellence in Mentorship

### Michael W. O'Dell, M.D.

Dr. Michael O'Dell is a professor of clinical rehabilitation medicine at Weill Cornell Medicine. He received his bachelor's degree from Franklin College of Indiana and his medical degree from Indiana University School of Medicine. He completed a residency in physical medicine and rehabilitation at the Hospital of the University of Pennsylvania, followed by a fellowship in brain injury and trauma rehabilitation at the Mediplex Rehabilitation Hospital in New Jersey.

Dr. O'Dell joined the faculty of Weill Cornell Medicine in 2001 and has served in multiple leadership roles within the Department of Rehabilitation Medicine. During his time at Weill Cornell Medicine, Dr. O'Dell has mentored more than 150 faculty and residents, and through his teaching in neurological rehabilitation, has inspired multiple medical students to pursue careers in physiatry. On a national level, he is the inaugural director of the Program of Academic Leadership through the Association of Academic Physiatrists, a three-year course that has provided more than 150 early-career rehab faculty with leadership training and mentorship.



# 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 2022

**Weill Cornell Medical College**

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# Doctors of Medicine

May 19, 2022

Zara Adamou

Oluwatobi Michael Aladesuru

Daniel Alberto Alfonso

Bryan Armando Aristega Almeida

Rachel Ann Babij ‡†

Sanjeethan Baksh †

Jakyung Bang

Kelly Madigan Banks †

Elora Basu

Sebastian Bidegain

Kevin Michael Boehm †

Chayma Boussayoud

Steven Cajamarca †

John Kyungjun Chae \*

Aaron Z. Chen \*

Darren Austin Chen \*

Dora Young Chen

Maneesha Elizabeth Chitanvis

Adrienne Shaine Clermont ◊

Anna Cornelius-Schechter

Zachary Smith Crockett

Samantha Tucker Cronin

Paolo de Angelis \*◊

Zhe Ran Duan †

Andrew Tien Duong

Idil Eroglu ◊

Margaret Marilee Fabiszak †

Khalid Fahoum ◊

Rhea Fogla

William John Hill Ford \*◊§

Kate Gabrielle Fruitman

James Minhyuk Gang

Tyler Scott Garman ◊§

Gary Francis George II \*

Radhika Ghosalkar

Nathaniel Goldblatt \*

Yendé Alaina Julien Grell

Rohiverth Guarecuco Jr. †

Dominique Frenel Guelce

Sudha Ragavalli Guttikonda †

Amber Alexis Hamilton §

Gregory C. Han §

Jason Michael Harris

Janice Havasy ◊

Hao Huang ◊

Nikolay A. Ivanov

Wooram Florian Jung

Neil Anthony Kelly Jr.

Julie Kim

Sean Hun Kim ◊

Yee Jung Kim

Julia Isabella Klein §

David Andrew Kolin

Hannah Danielle Krinsky \*

Amanda Elizabeth Krosché ◊

Nathaniel Der-Lin Kwok

Emily Anne Lang \*

Jerry Yuan-Ho Lee \*

Justin Gabriel Lee

Juan David Lopez

Jessica C. Lu

Danny Luan ◊§

Olivia Austen Blackburn Maguire †

Joseph Emanuele Manzi

Raul Julian Martinez-McFaline †

Brooks Hayden Martino

Paige Elizabeth McMahon

Dianna Lissette Mejia

Jaime Montemayor

Jared Daedalus Moon †

Harold Gregory Moore IV ◊

Fatima Nathalia Morales Delgado

Khoi Manh Nguyen

Jae Seong No

Philip Mojsov Nussenzweig †

Yuna Oh

Anthony Armando Palillo

Sabrina Pan \*◊

Yushan Pan \*◊

Nicola Marie Pereira \*

Tara Catherine Pilato §

Meridith Paige Pollie \*

Anjana Sita Rajan \*

Elizabeth Reznik \*

Rachel Julie Rosengard

Charles-Etienne Gabriel Sauv   ◊

Carrie Sha\*

Sachin Prakash Shah ◊

Ariel Shalev

Nivita Divya Sharma

Jay Shi †

Michelle Chua Siao †

Amber Catheryn Simmons

Sunidhi Singh

Cheyenne Slocum ◊

Cheyenne Smith \*◊

Natasha Michelle Smith ◊

Rohan R. Soman †

Carolyn Rose Stewart

Tony Sun †

Samuel Robert Taylor †

Samir Hassan Touhamy II

Michael Tzeng

Paul Breadino Walker Jr.

Anson Wang

Ross Weber †

Daniel Neil Weinberg †

Robert Thomas Williams †

Robert Joseph Wozniak

Jimmy Jing Xia

William Xiang

Jenny Yaohua Xue †

Peter Yao ◊

Xiaohan Ying

James Yoder

Lisa Zhang

Alice Sichen Zhao

Yili Zhao

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

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

◊ with Honors in Research

§ with Honors in Service

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

# Alumni Award of Distinction 2022

## Weill Cornell Medical College

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### John I. Gallin, M.D. '69

Dr. John Gallin is the chief scientific officer for the National Institutes of Health (NIH) Clinical Center and associate director for clinical research at the NIH. He received his undergraduate degree from Amherst College, cum laude, and his medical degree from Weill Cornell Medical College.

Prior to his current positions, Dr. Gallin spent 22 years as director of the NIH Clinical Center after serving as scientific director of the National Institute of Allergy and Infectious Diseases (NIAID). As director of the Clinical Center, Dr. Gallin oversaw the design, construction and activation of the new NIH Clinical Research Center. He also oversaw the establishment of a new curriculum for clinical research training – now offered globally, reaching about 20,000 students annually in 150 countries – and the development of new clinical research information systems.

Dr. Gallin continues to lead his own lab in NIAID, focusing on rare immune disorders of phagocytes. His laboratory described the molecular and genetic basis for several forms of chronic granulomatous disease and other phagocyte disorders and developed treatment regimens that have reduced the characteristic life-threatening infections in these patients.

In 2011, Dr. Gallin accepted, on behalf of the NIH Clinical Center, the Lasker–Bloomberg Public Service Award for the center's rich history of medical discovery through clinical research. He is an elected member of the American Society for Clinical Investigation, the Association of American Physicians and the National Academy of Medicine of the National Academy of Sciences, and is a Master of the American College of Physicians. Dr. Gallin has published more than 380 research articles and edited two textbooks – "Inflammation: Basic Principles and Clinical Correlates" (three editions) and "Principles and Practice of Clinical Research" (four editions).



# 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**

