

## COMMENCEMENT PROGRAM

Monday, May 24, 2021

Amistad Park

Welcome Nancy J. Brown, MD  
Dean of the School of Medicine

Invocation June Criscione

Presentation of Nancy J. Brown, MD  
Faculty Awards Dean of the School of Medicine

The Charles W. Bohmfalk Prizes

Leonard Tow Humanism in Medicine Award Supported by  
The Arnold P. Gold Foundation

The Leah M. Lowenstein Award

The Alvan R. Feinstein Award

The Francis Gilman Blake Award and The Betsy Winters  
House Staff Award

Presented by 2021 Class Presidents Kareme Dale Alder,  
Shaunte Butler, and Kareem Jamal Kebaish

Introduction of Nancy J. Brown, MD  
Guest Speaker

Commencement Address                      Onyema Ogbuagu, MBBCh  
*Associate Professor of Medicine  
(Infectious Diseases)  
Director of the Clinical Trials  
Program, Yale AIDS Program  
Yale Principal Investigator,  
COVID-19 Remdesivir Treatment  
and Pfizer/BioNTech and Sanofi  
Vaccine Trials*

Presentation of Degrees                  Terri Tolson  
Registrar

2021 Yale Physician's Oath  
Followed by a Moment  
of Silence                                  Nancy R. Angoff, MD, MPH, MEd  
Associate Dean for Student Affairs  
Class of 2021

Closing    Nancy J. Brown, MD  
Dean of the School of Medicine

❖ Student awards will not be announced. Instead, the Class of 2021 wishes to honor each other for their mutual achievement of becoming physicians. Please refer to the recipients listed in this commencement booklet.

*Graduates receiving awards will receive them in the mail*

## **AWARDS FOR FACULTY AND HOUSE STAFF**

**The Charles W. Bohmfalk Prizes.** Established in 1989 under the terms of the Alice Bohmfalk Charitable Trust. Prestigious teaching prizes will be awarded annually to individuals who have made outstanding contributions to the teaching program, one in the basic sciences and one in the clinical sciences, as judged by the faculty and students.

**Basic Science: Sarah C. Hull, MD, MBE**

**Clinical Science: Marjorie Rosenthal, MD, MPH**

**The Leonard Tow Humanism in Medicine Award Supported by the Arnold P. Gold Foundation.** Established in 1998 to honor the faculty member who demonstrates the highest standard of compassion and sensitivity in his or her interactions with patients.

**Jessica Bod, MD**

**The Leah M. Lowenstein Award.** Presented annually by the Office for Women in Medicine to a faculty member who is the model of a medical educator whose humane teaching reaches and influences all students regardless of gender, race or socioeconomic background. These are the traits espoused by the late Leah Lowenstein, a medical educator and first female Dean of a co-educational medical school.

**Jeremy J. Moeller, MD, MSc**

**The Alvan R. Feinstein Award.** Presented to a Yale School of Medicine faculty member chosen as the outstanding teacher of the year of clinical skills by a committee of chairs of the clinical departments, associate chairs and students.

**Jaideep S. Talwalkar, MD**

**The Francis Gilman Blake Award.** Established in 1952 by Nu Sigma Nu. Endowed by Dr. Robert C. Kirk, BS Yale 1930s, as a memorial to his twin brother, Dr. Gilman Kirk, BS Yale 1930s. Awarded annually to that member of the faculty of the School of Medicine designated by the senior class as the most outstanding teacher of the medical sciences.

**Stephen Huot, MD, PhD**

**The Betsy Winters House Staff Award.** Presented annually to that member of the House Staff of the Yale-New Haven Medical Center, designated by the graduating class, who has made the most significant contribution to the education of medical students.

**Jana Christian, MD and Joseph Lopez, MD, MBA**

## STUDENT HONORS AND PRIZES

**Cum Laude.** The degree of Doctor of Medicine *cum laude* will be conferred on students whose academic performance shows unusual merit.

**Aneesha Ahluwalia**

**Shreyas Panchagnula**

**Chaarushi Ahuja**

**Kishan Kamlesh Patel**

**Emily Yifan Chang**

**Max Rolison**

**Enoch Chang**

**Aminah Sallam**

**Sherif Eldirany**

**Lorenzo Rakesh Sewanan**

**Alanna Ryan Kaplan**

**Liangbo Linus Shen**

**Ezra Lichtman**

**Nelson Chika Ugwu**

**Patrick Liu**

**Charlie Zhao**

**Max Jordan Nguemeni Tiako**

**Sonya Zhou**

**The Parker Prize.** Established in 1914 by bequest from Frank J. Parker, Ph.D. 1895, M.D., 1898. Awarded annually to the graduating student who, during the course, has shown the best qualifications for a successful physician.

**Linette Bosques, Shaunte Butler, Walter Robert Hsiang, Don Tianmu Li, Ya Haddy Sallah, Sina John Torabi, and Nelson Chika Ugwu**

**Norma Bailey Berniker Prize.** Established in 1970 by bequest of John H. Bailey, B.A. 1900, M.D., 1903. To be awarded to that member of the graduating class who gives promise of best exemplifying the disciplines and precepts of the Oath of Hippocrates and Maimonides Prayer.

**Chaarushi Ahuja, Evan Chen, June Criscione, Ezra Lichtman, Paulina Luna, Nida Naushad and Pavithra Vijayakumar**

**Miriam Kathleen Dasey Award.** Established in 1950 in honor of Miriam Kathleen Dasey, Registrar from 1920 to 1950. This award is to be presented annually to students who by strength of character, personal integrity, and academic achievement, give promise of fulfilling the ideal of the compassionate physician.

**Christopher Alex Chow-Parmer, June Criscione, Lizzy Fitzsousa, Chris Gorlin-Han, George Charles Linderman, Patrick Liu, Brianna Adejoke Olamiju, Kishan Kamlesh Patel, Ya Haddy Sallah, Aminah Sallam and Laura Isabella Torrance van Dyck**

**The Perkins Prize.** Awarded to the student who achieves the highest rank on Step I of the National Board Medical Examination.

**Ezra Lichtman and Amy Zhang**

**The Campbell Prize.** Founded in 1900 by bequest from James Campbell, honorary M.A., 1891, Professor of Obstetrics and Gynecology from 1886 to 1899. Awarded to the graduating student who secures the highest score on Step II of the National Board Medical Examination.

**Amy Zhang**

**The Dean's Prize for Community Service.** This annual award recognizes the graduating student who, by leadership and service, has made major contributions to the School of Medicine, to the New Haven community, or to the community at large.

**Pavithra Vijayakumar**

**Leonard Tow Humanism in Medicine Award Supported by The Arnold P. Gold Foundation.** Established to honor a graduating student who demonstrates the highest standard of compassion and sensitivity in their interaction with patients.

**Shivani Bhatt**

**The Peter Grannum Prize.** Awarded to an outstanding African American/Black Yale School of Medicine graduate who demonstrates leadership and commitment to public service by improving the lives of those in Greater New Haven. This awardee stands out for engaging in civic activities, serving local communities, and/or demonstrating selflessness and compassion.

**Kareme Dale Alder and Shaunte Butler**

**The Cortlandt Van Rensselaer Creed Award.** Awarded to a graduating URiM medical student including those from low income, first generation college backgrounds or students with a disability who demonstrates outstanding academic achievement and exemplary leadership and significant commitment to the local and national community at large.

**Linette Bosques and Max Jordan Nguemini Tiako**

**ACP Internal Medicine Award.** Awarded to a graduating student who will be entering a categorical or primary care internal medicine residency in Connecticut and has demonstrated outstanding academic achievement and community service.

**Chang Su**

**New England Pediatric Society Prize.** Awarded to that member of the graduating class entering pediatrics who in the opinion of peers and faculty best exemplifies those qualities one looks for in a pediatrician. “A competent, caring, good humored person who I would want to take care of my children.”

**Christopher Alex Chow-Parmer**

**Endocrinology Society Medical Student Achievement Award.**

Established in 1997 to recognize a graduating senior who has shown special achievement and interest in the general field of endocrinology.

**Don Tianmu Li**

**Connecticut Chapter of American College of Surgeons**

**Prize.** Awarded to a graduating student for excellence in surgical sciences.

**Stefanie Cara Sheiner Rohde**

**The Society for Academic Emergency Medicine Award.**

Awarded to the student who has demonstrated excellence in the specialty of emergency medicine.

**Chris Gorlin-Han**

**Mila Rainof Award.** The Mila Rainof Award will be given each year to a graduating medical student entering the field of Emergency Medicine who, like Mila, has contagious enthusiasm for caring for patients, while bringing attention, kindness and compassion to each interaction.

**Lizzy Fitzsousa**



**American College of Obstetricians and Gynecologists' James F.X. Egan Prize.** Bestowed upon a member of the graduating class who has demonstrated the best potential to emulate Dr. Egan's outstanding clinical and academic skills upon entering the field of Obstetrics and Gynecology.

**Michael T. Solotke**

**North American Society for Pediatric and Adolescent Gynecology Outstanding Student Award.** This award recognizes a student who has demonstrated outstanding commitment to improving the reproductive health of girls and young women.

**Michael T. Solotke**

**The C. Winternitz Prize in Pathology.** Established in 1950 in honor of Milton Charles Winternitz, honorary M.A. 1917, Professor of Pathology and Bacteriology 1917 to 1925, Anthony N. Brady Professor of Pathology 1925 to 1950. Awarded to the student who, in the opinion of the staff of the Department of Pathology, has done outstanding work in the course.

**George Charles Linderman**

**The Marguerite Rush Lerner Award.** Awarded to a graduating student for outstanding creative writing or visual art.

**Chang Su**

**The MD/PhD Award.** This prize is awarded to an outstanding member of the graduating MD/PhD class who has shown excellence in both research and clinical activities.

**Sean D. Bickerton and George Charles Linderman**

**The MD/PhD Alumni Award.** This prize is awarded to a graduating MD/PhD student who has demonstrated outstanding academic achievements, leadership, and service.

**Shivani Bhatt and Don Tianmu Li**

**The Selma and Karl Folkers Prize in Biomedical Research.**

This prize is awarded to a graduating MD/PhD student whose thesis research has demonstrated excellence in basic cell and molecular biology.

**Swethasri Dravida and Jonathan Marquez**

## THESIS PRIZES

**The William U. Gardner Prize.** Established in 1989 by Dr. Gardner's widow and awarded to the graduating student with the most outstanding thesis in the graduating class.

**Ezra Lichtman**

**The Keese Prize.** Established in 1880 by bequest from Mary M. Keese in memory of her son, Hobart Keese, M.D. 1855 Awarded annually to a student who presents an outstanding thesis.

**Liangbo Linus Shen**

**The Ferris Prize.** Established in 1934 and endowed in 1937 by anonymous donors in honor of Harry Burr Ferris, 1887, M.D. 1890. Awarded to a graduating student for an outstanding thesis.

**Aminah Sallam**

**The Dr. Louis H. Nahum Prize.** Founded in 1973 by bequest from Louis H. Nahum, M.D. 1916. Awarded annually to a member of the senior class of the medical school, who merits such award by virtue of the excellence of the thesis which the student has written as required for the medical degree.

**Sherif Eldirany**

**David and Harriet Seligson Thesis Prize.** Established in 2011 in honor of Dr. David Seligson, the founder of the Department of Laboratory Medicine, for an outstanding thesis in the area of laboratory medicine.

**Max Rolison**

**Surgery Prize.** Awarded to the senior medical student entering a surgical field, who has done outstanding research during medical school.

**Aneesha Ahluwalia**

**The Nicholas J. Giarman Prize.** Established in 1976. Nicholas Giarman was Professor of Pharmacology, 1949 to 1968. To be presented to a student for an outstanding thesis.

**Shreyas Panchagnula**

**The Dr. Harold H. Lamport Biomedical Research Prize.** Established in 1976. To be presented to a student for an outstanding thesis reporting original biomedical research.

**Nelson Chika Ugwu**

**The Lidz Prize in Psychiatry.** Awarded to a graduating student for an outstanding thesis in the field of psychiatry or neuroscience.

**Chaarushi Ahuja**

**The John P. Peters Prize.** Established in 1976. To be presented to a student for an outstanding thesis in the area of internal medicine. John P. Peters was Professor of Medicine at Yale, 1927 to 1955.

**Kishan Kamlesh Patel**

**The MD/PhD Thesis Prize.** Awarded to the graduating MD/PhD student with the most outstanding dissertation.

**Alanna Ryan Kaplan and Lorenzo Rakesh Sewanan**

**The Peter F. Curran Prize.** Established in 1976. To be presented to a graduating medical student for an outstanding thesis.

**Max Jordan Nguemeni Tiako**

**Wilbur G. Downs, MD, MPH Outstanding Thesis Prize in International Health.** Established in 1988 for the best thesis in the area of international health.

**Sonya Zhou**

**Cancer Prize.** Awarded to a graduating student for an outstanding thesis in cancer.

**Emily Yifan Chang**

**The Abraham White Prize.** The Abraham White Prize is given yearly to a Yale medical student for outstanding student research. Established in 2010, the prize is in memory of Dr. Abraham White, who served as a distinguished teacher and scholar of Physiological Chemistry at Yale from 1931 – 1948.

**Charlie Zhao**

**Dr. Marvin Moser Prize.** Established in 2007 by Dr. Marvin Moser for a prize winning thesis in preventive cardiology, lipid disorders, or hypertension.

**Patrick Liu**

**The Louis G. Welt Prize.** Established in 1976. To be presented to a student for an outstanding thesis. Louis Welt was Chairman and Professor of Medicine at Yale, 1972 to 1974.

**Enoch Chang**

## **JOINT DEGREES**

### **Students Receiving the MD and PhD Degrees**

Shivani Bhatt	Don Tianmu Li
Sean D. Bickerton	George Charles Linderman
Nashid Hasan Chaudhury	Jonathan Marquez
Dimitri de Kouchkovsky	Matthew Lowell Meizlish
Swethasri Dravida	Erin Jeanne Reed
Alanna Ryan Kaplan	Lorenzo Rakesh Sewanan
Angela Misun Lee	Alexander Artchariyavivit Svoronos

### **Students Receiving the MD and MHS Degrees**

Ahmad Abdel-Aty	Shreyas Panchagnula
Sherif Eldirany	Kishan Kamlesh Patel
Daniel Jacobs	Melinda Wang

### **Students Receiving the MD and MBA Degrees**

David Kumar Dupee	Michael T. Solotke
Chris Gorlin-Han	Diane Ruth Mina Somlo
Monique Sirron Haynes	Michael Warren
Walter Robert Hsiang	Marley Windham-Herman
Taylor David Ottesen	

### **Student Receiving the MD and MPH Degree**

Nida Naushad	Sonya Zhou
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### **Students Receiving the MD and Certificate in Global Medicine**

Juliana Capri Lawrence	Taylor David Ottesen
Fatima Nadeem Mirza	Melinda Wang

## DOCTORS OF MEDICINE 2021

### **Ahmad Abdel-Aty**

BS, University of Central Florida; MHS, Yale University  
*A Comprehensive Study of Comorbidities and Treatments  
Including TNF- $\alpha$  Inhibitors in Patients with Acute Scleritis*

**Transitional.** University of Central Florida/HCA Healthcare GME  
(Ocala) Program, Ocala, FL

**Ophthalmology.** The University of Oklahoma College of  
Medicine, Oklahoma City, OK

### **Paul Abraham**

BS, University of California-Los Angeles  
*Arthroscopic Hip Labral Repair in Patients Older than 40 &  
Patients with Concomitant Osteoarthritis*

**Orthopaedic Surgery.** University of Southern California, Los  
Angeles, CA

### **Aneesha Ahluwalia**

BS, Yale University  
*Vision-related Quality of Life in Advanced Age-related Macular  
Degeneration*

**Surgery-Preliminary.** Stanford University Programs, Stanford,  
CA

**Ophthalmology.** Stanford University Programs, Stanford, CA

### **Osama M. Ahmed**

BA, BS, University of Pennsylvania  
*Epidemiology, Outcomes and Prognostic Factors in Orbital  
Lymphoma in the United States*

**Medicine-Preliminary.** University of Michigan Hospitals-Ann  
Arbor, Ann Arbor, MI

**Ophthalmology.** University of Michigan Hospitals-Ann Arbor,  
Ann Arbor, MI

**Chaarushi Ahuja**

BS, Duke University

*Utilizing Qualitative Methods to Inform Interventions for Addressing Alcohol Use During Pregnancy*

**Obstetrics and Gynecology.** Yale-New Haven Hospital Program, New Haven, CT

**Kareme Dale Alder**

BS, University of Florida

*Intracellular Staphylococcus Aureus in Bone and Joint Infections*

**Orthopaedic Surgery.** Mayo Clinic College of Medicine and Science (Rochester) Program, Rochester, MN

**Jonathan Avery**

BS, Oregon State University

*Prognostic Impact of Peripheral Blood Flow Cytometry at Staging in Patients with Aggressive Peripheral T Cell Lymphoma*

**Internal Medicine.** University of Washington Affiliated Hospitals, Seattle, WA

**Kirthi S. Bellamkonda**

BS, University of Illinois at Chicago; MS, Oxford University

*Characteristics and Outcomes of Patients with Rupture of Small Abdominal Aortic Aneurysms*

**Vascular Surgery.** Dartmouth-Hitchcock Medical Center, Lebanon, NH

**Shivani Bhatt**

BS, PhD, Yale University

*Imaging the Neural Immune and Stress Systems in PTSD*

**Psychiatry-Research.** Yale-New Haven Hospital Program, New Haven, CT



**Sean D. Bickerton**

BS, University of Massachusetts-Amherst; PhD, Yale University  
*Nanoparticle Systems for In Vivo Generation of Regulatory T Cells  
in Autoimmune Disease Therapy*

**Pediatrics.** Yale-New Haven Hospital Program, New Haven, CT

**Linette Bosques**

BS, University of Puerto Rico-Mayaguez; PhD, Yale University  
*Elucidating the Role of Codanin-1 in Erythroid Differentiation*

**Internal Medicine.** Massachusetts General Hospital, Boston, MA

**Christopher Thomas Breen**

BA, Princeton University

*An Analysis of Otolaryngology Medical Malpractice Payments  
from the National Practitioner Data Bank*

**Internal Medicine.** University of Pittsburgh Medical Center,  
Pittsburgh, PA

**Patrick Burroughs**

BS, United States Naval Academy

*Temporal Utilization of Physical Therapy Visits Following Anterior  
Cruciate Ligament Reconstruction*

**Orthopaedic Surgery.** MedStar Health/Georgetown University  
Hospital Program, Washington, DC

**Shaunte Butler**

BA, Harvard University

*Same-Day Referral of Patients with Elevated Preoperative Blood  
Pressure to Primary Care Providers*

**Anesthesiology.** Massachusetts General Hospital, Boston, MA

**Nathan Xianming Chai**

BA, BS, University of Maryland-College Park

*Locoregional Therapy for Hepatocellular Carcinoma: Evaluation of Different Treatment Modalities and a Machine Learning*

*Approach to Recurrence Prediction*

**Medicine-Preliminary.** St. Mary's Hospital and Medical Center Program, San Francisco, CA

**Diagnostic Radiology.** University of California (San Diego) Medical Center Program, San Diego, CA

**Emily Yifan Chang**

BA, Harvard University

*Defective Mismatch Repair Associated Mutational Signatures in Endometrial Cancer*

**Obstetrics and Gynecology.** Yale-New Haven Hospital Program, New Haven, CT

**Enoch Chang**

BA, Yale University

*Deep Learning Survival Analysis for Patients with Multiple Brain Metastases*

**Medicine-Preliminary.** California Pacific Medical Center, San Francisco, CA

**Radiation Oncology.** University of Texas MD Anderson Cancer Center Program, Houston, TX

**Nashid Hasan Chaudhury**

BA, Barnard College; PhD, Yale University

*Inhibitory Receptors Play a Role in Recruiting Postsynaptic Scaffold to Synapses*

**Pediatrics.** Yale-New Haven Hospital Program, New Haven, CT

**Evan Chen**

BS, Yale University

*Ophthalmic Emergency Department Visits: Factors Associated with Loss to Follow-up and Frequency of Revisits after Discharge*

**Surgery-Preliminary.** University of California (San Francisco)

Program, San Francisco, CA

**Ophthalmology.** University of California (San Francisco)

Program, San Francisco, CA

**Fouad Chouairi**

BS, Cornell University

*Using the GUIDE-IT Randomized Control Trial for Post-Hoc Analysis of Predictors of Adverse Outcomes in Patients with HFrEF*

**Internal Medicine.** Duke University Medical Center, Durham, NC

**Christopher Alex Chow-Parmer**

BS, Yale University

*Associations Between Cardiac Manifestations of Noonan Syndrome and Adverse Pregnancy Outcomes*

**Pediatrics.** Stanford University Programs, Stanford, CA

**June Criscione**

BA, Harvard University

*CHD Candidate Gene EMC1 Loss of Function Drives Neural Crest and Transmembrane Protein Defects*

**Internal Medicine-Pediatrics.** Yale-New Haven Hospital

Program, New Haven, CT

**Eugenia Paula Custo Greig**

BA, Yale University

*Swept Source Optical Coherence Tomography Angiography in Choroidal Melanomas and Choroidal Nevi*

**Surgery-Preliminary.** University of California (San Francisco)

Program, San Francisco, CA

**Ophthalmology.** University of California (San Francisco)

Program, San Francisco, CA

**Dimitri de Kouchkovsky**

BA, University of California-Berkeley; PhD, Yale University  
*Naive CD4+ T Cell Sensing of Host Environment Modulates  
Subsequent Immune Responses*

**Medicine-Preliminary.** University of California (Irvine) Program,  
Orange, CA

**Dermatology.** University of California (San Diego) Medical Center  
Program, San Diego, CA

**Swethasri Dravida**

BS, Massachusetts Institute of Technology; PhD, Yale University  
*Neural Mechanisms of Live Interactive Joint Attention: A  
Simultaneous fNIRS/EEG Hyperscanning Investigation*

**Child Neurology.** The Children's Hospital of Philadelphia,  
Philadelphia, PA

**Linna Duan**

BA, Yale University; MA, Harvard University  
*The Physical Exam: A Survey of Preferences and Expectations of  
Primary Care Visits*

**Psychiatry.** Kaiser Permanente Northern California (San Jose)  
Program, San Jose, CA

**David Kumar Dupee**

BA, Cornell University; MBA, Yale University  
*Physician Burnout: An Assessment of Impact, Drivers and Design  
of Prevention Programs*

**Psychiatry.** Stanford University Programs, Stanford, CA

**Sherif Eldirany**

BS, University of Connecticut; MHS, Yale University  
*Structural Studies of Intermediate Filaments and Skin Pathology*

**Medicine-Preliminary.** St. Mary's Hospital (Waterbury) Program,  
Waterbury, CT

**Dermatology.** University of Connecticut School of Medicine,  
Farmington, CT

**Rachel Esparza**

BS, University of St. Francis

*Racial and Ethnic Disparities in Physical Medicine and Rehabilitation: Challenges and Opportunities*

**Medicine-Preliminary.** Bridgeport Hospital/Yale University Program, Bridgeport, CT

**Physical Medicine and Rehabilitation.** McGaw Medical Center of Northwestern University Program, Chicago, IL

**Lizzy Fitzsousa**

BA, Tulane University

*A Qualitative Analysis of Student Belonging and Physical Environment of Yale School of Medicine*

**Emergency Medicine.** Johns Hopkins Hospital, Baltimore, MD

**Jack Gagné**

BA, Columbia University

*Factors Predicting the Return of Urinary Continence Following Robot-assisted Laparoscopic Prostatectomy*

**Transitional.** Naval Medical Center San Diego, San Diego, CA

**Chris Gorlin-Han**

BA, Dartmouth College; MBA, Yale University

*Evaluating Clinician Features and Reporting Decisions on Performance in the Merit-based Incentive Payment System*

**Emergency Medicine.** HealthPartners Institute/Regions Hospital Program, St. Paul, MN

**Monique Sirron Haynes**

BA, MPH, MBA, Yale University

*Comparison of Outcomes of Total Hip Arthroplasty to Hemiarthroplasty for Geriatric Hip Fractures*

**Orthopaedic Surgery.** Rush University Medical Center, Chicago, IL

**Daniel Zachary Hodson**

BA, Swarthmore College

*Clinical and Epidemiological Characteristics of Plasmodium Infection at an Urban Emergency Department in Cameroon*

**Internal Medicine-Pediatrics.** UCLA Medical Center Program, Los Angeles, CA

**Walter Robert Hsiang**

BS, MBA, Yale University

*The Impact of Insurance Status on Access to and Delivery of General Surgical Care*

**Urology.** University of California (San Francisco) Program, San Francisco, CA

**Maryam Ige**

BEng, State University of New York at Stony Brook

*Glial Landscape of Retinal and Brain Degeneration Identified by Multigranular Single Cell Analysis*

**Ophthalmology** (Integrated). Northwestern University Feinberg School of Medicine, Chicago, IL

**Said Izreig**

BS, University of Western Ontario; PhD, McGill University

*The LKB1-AMPK Axis Governs Metabolic Reprograming and Tumour Progression in Lymphoma*

**Otolaryngology.** Yale-New Haven Hospital Program, New Haven, CT

**Daniel Jacobs**

BA, Northwestern University-Evanston; MHS, Yale University

*Assessing Epidemiology, Treatment Selection, and Outcomes of Head and Neck Merkel Cell Carcinoma*

**Otolaryngology.** Yale-New Haven Hospital Program, New Haven, CT

**Kevin Osmond Juarez-Ceja**

BA, University of California-Los Angeles

*Vocal Fold Cover Replacement: Imaging Analysis of Intermediate and Long-term Outcomes*

**Anesthesiology.** University of California (San Francisco) Program, San Francisco, CA

**Alanna Ryan Kaplan**

BA, Dartmouth College; PhD, Yale University

*Novel Methods for Inhibiting DNA Double Strand Break Repair for Use in Cancer Therapy*

**Internal Medicine.** Stanford University Programs, Stanford, CA

**Kareem Jamal Kebaish**

BA, University of Chicago

*Preauthorizations in Orthopaedic Surgery: An Analysis of a Single Institution's Spine Center*

**Orthopaedic Surgery.** University of Southern California, Los Angeles, CA

**Sumun Khetpal**

BA, BS, University of Pennsylvania

*Chest Masculinization Surgery: Outcomes, Challenges, and Opportunities for Innovation in Gender-Affirming Care*

**Plastic Surgery** (Integrated). UCLA Medical Center Program, Los Angeles, CA

**Juliana Capri Lawrence**

BS, California State University-Los Angeles; Certificate in Global Medicine, Yale University

*Shared Decision-Making and Prevention Recommendations: Implications for Public Health*

**Internal Medicine-Pediatrics.** Brigham & Women's Hospital/Children's Hospital/Harvard, Boston, MA

**Aidan Lee**

BA, University of California-Berkeley

*Temporal and Geographic Trends Analysis of American Academy of Ophthalmology Political Action Committee (OPHTHPAC)*

**Ophthalmology (Integrated).** USC Roski Eye Institute, Los Angeles, CA

**Angela Misun Lee**

BS, University of Maryland-College Park; PhD, Yale University

*Sex Differences in Mouse Models of Nicotine Addiction*

**Psychiatry.** Hospital of the University of Pennsylvania, Philadelphia, PA

**Don Tianmu Li**

BS, MS, PhD, Yale University

*Two Ways from the Golgi: Integrating Glucose and Energy through TUG Protein*

**Orthopaedic Surgery.** Hospital for Special Surgery, New York, NY

**Ezra Lichtman**

BS, Brown University

*Refugee Health, Healthcare, and Resettlement in New Haven, Connecticut: A Historical Study with Contemporary Implications*

**Internal Medicine-Pediatrics.** University of North Carolina Hospitals Program, Chapel Hill, NC

**Nathan Lifton**

BA, Colby College

*Regulated Apoptosis in C.Elegans Development*

**Transitional.** St. Luke's University Health Network, Easton, PA



**George Charles Linderman**

BS, Case Western Reserve University; PhD, Yale University  
*Efficient Methods for Imputation, Dimensionality Reduction, and Visualization of Biomedical Datasets*

**General Surgery.** Massachusetts General Hospital, Boston, MA

**Kevin Liu**

BA, Columbia University

*Complement-Induced Post-Translational Regulation of TGF- $\beta$  Signaling on Endothelial Cells*

**Internal Medicine.** MedStar Health/Georgetown University Hospital Program, Washington, DC

**Patrick Liu**

BA, Harvard University

*Drug Pricing for Medications Prescribed for Chronic Conditions Common Among Adults in the U.S.*

**Internal Medicine-Pediatrics.** Brigham & Women's Hospital/Children's Hospital/Harvard, Boston, MA

**Natalie Liya Lomayeva**

BS, University of California-San Diego

*Interventional Psychiatry in Pediatric Depression: Community Practices and Preliminary Ketamine Data*

**Psychiatry.** Stanford University Programs, Stanford, CA

**Paulina Luna**

BA, University of Notre Dame

*"[The pediatrician] said that maybe my milk, instead of doing good, no longer helped": The Ecology of Infant Formula in Rural Communities in Central Mexico*

**Internal Medicine.** New York Presbyterian Hospital (Cornell) Program, New York, NY

### **Rohil Malpani**

BS, Johns Hopkins University

*High, as well as Low, Preoperative Platelet Counts Correlate with Adverse Outcomes after Several Studied Orthopedic Surgeries*

**Medicine-Preliminary.** California Pacific Medical Center, San Francisco, CA

**Diagnostic Radiology.** University of California (San Francisco) Program, San Francisco, CA

### **Jonathan Marquez**

BS, PhD, Yale University

*The Role of EMC1 in Congenital Disease: Defects in Membrane Protein Topogenesis Alters the Neural Crest and Derived Tissues*

**Pediatrics-Medical Genetics.** University of Washington Affiliated Hospitals, Seattle, WA

### **Matthew Lowell Meizlish**

BA, PhD, Yale University

*Macrophage Mechanosensing of the Tissue Environment and Signal Integration Through the Cytoskeleton*

**Internal Medicine.** Massachusetts General Hospital, Boston, MA

### **Hadrian Mendoza**

BS, Georgia State University

*B- and T-Cell Gene Rearrangement Analysis in Lymphoid Neoplasms*

**Pediatrics.** Emory University School of Medicine, Atlanta, GA

### **Fatima Nadeem Mirza**

BA, Harvard University; Certificate in Global Medicine, Yale University

*High-Throughput Drug Screening to Identify Synergistic Therapies for Cutaneous T Cell Lymphoma*

**Medicine-Preliminary.** Brown University/Rhode Island Hospital, Providence, RI

**Dermatology.** Brown University/Rhode Island Hospital, Providence, RI

**Nida Naushad**

BA, Harvard University; MPH, Yale University

*Patterns of Athlete Abuse in the U.S. Center for SafeSport Central Disciplinary Database*

**Pediatrics.** The Children's Hospital of Philadelphia, Philadelphia, PA

**Max Jordan Nguemini Tiako**

BS, Howard University; MS, Georgia Institute of Technology

*Pitfalls and Growth Areas in the Treatment of Prenatal Opioid Use Disorder in the United States*

**Internal Medicine-Primary Care (DGM).** Brigham & Women's Hospital, Boston, MA

**Halsey Niles**

BA, Brown University

*Palliative Care Provider Attitudes Toward Psychedelic-assisted Therapy for Existential Distress*

**Psychiatry.** Massachusetts General Hospital, Boston, MA

**Brianna Adejoke Olamiju**

BA, Columbia University

*Dermatologic Conditions in Oncology Patients with Skin of Color: A Retrospective Analysis from the Yale Cancer Center Oncodermatology Clinic*

**Medicine-Preliminary.** Icahn School of Medicine at Mount Sinai (Beth Israel) Program, New York, NY

**Dermatology.** New York Presbyterian Hospital (Cornell) Program, New York, NY

**Taylor David Ottesen**

BS, Brigham Young University; MBA, University of Cambridge;  
Certificate in Global Medicine, Yale University

*Investigating the Role of Body Mass Index as a Risk Factor for  
Perioperative Adverse Events Across Orthopaedic Procedures:  
Applying National, Multi-Center Big Data*

**Orthopaedic Surgery.** Massachusetts General Hospital-Harvard  
Combined Program, Boston, MA

**Shreyas Panchagnula**

BS, MHS, Yale University

*Integrative Genomics Implicates Disruption of Prenatal  
Neurogenesis in Congenital Hydrocephalus*

**Neurological Surgery.** University of Maryland Medical Center,  
Baltimore, MD

**Kishan Kamlesh Patel**

BS, Brown University; MHS, Yale University

*Cost-Effectiveness of Daratumumab in Older, Transplant-Ineligible  
Patients with Multiple Myeloma*

**Internal Medicine.** Brigham & Women's Hospital, Boston, MA

**Erin Jeanne Reed**

BS, Davidson College; PhD, Yale University

*Expecting the Unexpected: The Paranoid Style of Belief Updating  
Across Species*

**Psychiatry-Research.** Brigham & Women's Hospital, Boston, MA

**Stefanie Cara Sheiner Rohde**

BA, University of Pennsylvania

*Social Media Use by General Surgery Residency Programs and  
Applicants in a Virtual Application Season*

**General Surgery.** Ohio State University Medical Center,  
Columbus, OH

**Max Rolison**

BS, Yale University

*Atypical Connectivity Lateralization Associated with Autism Presents Within the First Year of Life*

**Psychiatry (Combined Adult & Child).** Yale-New Haven Hospital Program, New Haven, CT

**Ya Haddy Sallah**

BS, Wittenberg University; MPH, Washington University in St. Louis

*Abstract Sociodemographic, Comorbid and Geographic Determinants of COVID-19 Outcomes in New England Veterans*

**Internal Medicine.** Massachusetts General Hospital, Boston, MA

**Aminah Sallam**

BS, University of Chicago

*A Qualitative Approach to Understanding the Attitudes of Maternal Fetal Medicine Specialists Regarding Prenatal Diagnosis, Disability and Termination*

**General Surgery.** Beth Israel Deaconess Medical Center, Boston, MA

**Lorenzo Rakesh Sewanan**

BS, Trinity College; PhD, Yale University

*Investigating the Multiscale Mechanobiology of Hypertrophic Cardiomyopathy*

**Internal Medicine.** New York Presbyterian Hospital (Columbia) Program, New York, NY

**Liangbo Linus Shen**

BS, Duke University

*Novel Anatomic Endpoints for the Study of Geographic Atrophy Secondary to Non-exudative Age-related Macular Degeneration*

**Surgery-Preliminary.** University of California (San Francisco) Program, San Francisco, CA

**Ophthalmology.** University of California (San Francisco) Program, San Francisco, CA

**Michael T. Solotke**

BS, MBA, Yale University

*FDA Black Box Warnings and Their Impact on Medicare Prescription Drug Formulary Coverage*

**Obstetrics and Gynecology.** McGaw Medical Center of Northwestern University Program, Chicago, IL

**Diane Ruth Mina Somlo**

BA, Cornell University; MBA, Yale University

*Conscious Sedation Medication Choice Does Not Affect Outcomes After Transcatheter Aortic Valve Replacement*

**Internal Medicine.** Massachusetts General Hospital, Boston, MA

**Chang Su**

BS, University of Pennsylvania

*Novel Nanoparticle-based Strategies to Prevent UVR Induced Genotoxicity in Melanocytes*

**Internal Medicine.** Yale-New Haven Hospital Program, New Haven, CT

**Mary Sun**

BS, Yale University

*The Development and Validation of a Novel Ichthyosis Severity Assessment Instrument*

**Medicine-Preliminary.** Brigham & Women's Hospital, Boston, MA

**Dermatology.** Stanford University Programs, Stanford, CA

**Alexander Artcharyavit Svoronos**

BS, Brown University; PhD, Yale University

*Tumor-Targeted Inhibition of Oncogenic MicroRNAs for Cancer Therapy Using a pH-Low Insertion Peptide (pHLIP)*

**Medicine-Preliminary.** NYU Long Island School of Medicine Program, Mineola, NY

**Ophthalmology.** University of California (San Diego) Medical Center Program, San Diego, CA

**Sina John Torabi**

BA, University of Southern California

*A Nationwide Survey Assessing Public Awareness of Head and Neck Cancers and the Human Papillomavirus*

**Otolaryngology.** University of California (Irvine) Program, Orange, CA

**Gwendolyn Towers**

BA, Wellesley College

*Characteristics, Motivations, and Experiences of Women Using Nitrous Oxide During Childbirth*

**Obstetrics and Gynecology.** MedStar Health/Washington Hospital Center Program, Washington, DC

**Nelson Chika Ugwu**

BS, Truman State University

*Somatic GJA4 Mutation in Vascular Malformations Reveals a Novel Pathway for Vascular Neoplasia*

**Medicine-Preliminary.** Beth Israel Deaconess Medical Center, Boston, MA

**Dermatology.** Massachusetts General Hospital-Harvard Combined Program, Boston, MA

**Laura Isabella Torrance van Dyck**

BS, Brown University

*The Role of Knowledge in End-of-Life Decision-Making by Older Persons*

**Psychiatry.** Icahn School of Medicine at Mount Sinai (Mount Sinai) Program, New York, NY

**Pavithra Vijayakumar**

BA, Princeton University

*An Ex Vivo Model of Glycogen Synthesis in Placental Explant Tissue*

**Obstetrics and Gynecology.** University of Rochester/Strong Memorial Hospital, Rochester, NY

### **Teja Voruganti**

BS, McMaster University; MS, PhD, University of Toronto  
*Team-based Electronic Communication in the Care of Patients  
with Complex Conditions*

**Internal Medicine.** Hospital of the University of Pennsylvania,  
Philadelphia, PA

### **Melinda Wang**

BA, Williams College; MHS, Certificate in Global Medicine, Yale  
University

*Factors Associated with Increased Severity: Acute Pancreatitis  
and Pancreatic Ductal Adenocarcinoma*

**Internal Medicine.** University of California (San Francisco)  
Program, San Francisco, CA

### **Michael Warren**

BA, University of Chicago; MBA, Yale University

*Contemporary Management of Spontaneous Retroperitoneal and  
Rectus Sheath Hematomas*

**Anesthesiology.** Massachusetts General Hospital, Boston, MA

### **Andrew Howland Auchincloss White**

BA, Harvard University

*Comparison of Detection Methods for Small Particulate Matter  
and Application of Delta-C Approach to Identify Transcontinental  
Wildfire Smoke, with Review of Associated Health Effects*

**Anesthesiology.** New York Presbyterian Hospital (Cornell)  
Program, New York, NY

### **Alexander Tate Wilson**

BS, Wofford College

*Cerebral Cortex Morphometry in Syndromic Craniosynostosis*

**Plastic Surgery (Integrated).** Hospital of the University of  
Pennsylvania, Philadelphia, PA



### **Marley Windham-Herman**

BS, University of California-Davis; MBA, Yale University

*The Future of Global Interventional Radiology*

**Medicine-Preliminary.** Yale-New Haven Hospital Program, New Haven, CT

**Interventional Radiology (Integrated).** University of California (San Diego) Medical Center Program, San Diego, CA

### **Amy Zhang**

BS, Massachusetts Institute of Technology

*The Role of PET/CT in the Identification of Immunotherapy-related Thyroiditis*

**Transitional.** HCA Healthcare Sunrise Health GME Program (Southern Hills), Las Vegas, NV

**Diagnostic Radiology.** UCLA Medical Center Program, Los Angeles, CA

### **Jing Zhang**

BS, Duke University

*Layilin-mediated Adhesion in Tissues Attenuates Treg Suppressive Capacity*

**Internal Medicine.** New York Presbyterian Hospital (Cornell) Program, New York, NY

### **Charlie Zhao**

BS, University of Western Ontario

*Neural Mechanisms of Impaired and Normal Consciousness in Rodent Models*

**Medicine-Preliminary.** St. Vincent's Medical Center Program, Bridgeport, CT

**Neurology.** Brigham & Women's Hospital/Massachusetts General Hospital, Boston, MA

### **Sonya Zhou**

BS, Brown University; MPH, Yale University

*Neuroprognostication Practices after Cardiac Arrest*

**Neurology.** Hospital of the University of Pennsylvania, Philadelphia, PA

YALE SCHOOL OF MEDICINE

## Yale Physician's Oath 2021

In the tradition of our predecessors, witnessed by our families, friends, and colleagues, and in service to our future patients, we freely take this oath:

As members of the medical profession we pledge to use our training to serve others.<sup>1</sup>

We will not permit considerations of age, disease, disability, creed, ethnic origin, gender, nationality, political affiliation, race, sexual orientation, social standing, financial status or any other factors to stand between the care we seek to provide and our patients.<sup>1</sup>

We will strive to recognize the influence of our biases, be they explicit or implicit. We will remember to listen first and counsel second.

We will respect the privacy of our patients and be worthy confidants.

We will acknowledge "health as a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity."<sup>2</sup>

We resolve to become experts in "recognizing the sick, vulnerable, and downtrodden be they patients, colleagues, or friends,"<sup>3</sup> and we will advocate for those who might otherwise be ignored.

We will attend to our own health in order to best be able to care for the health of others.

We commit to a lifetime of learning and will keep pace with the evolving landscape of both the scientific and societal basis of disease and its treatment.

At all stages of training, "we will recognize the contributions of others with gratitude when we succeed, learn from our mistakes when we err, acknowledge our own limitations, and seek guidance when we are uncertain."<sup>4</sup>

We will always be truthful. We will not blur, omit, or fabricate information relevant to our patients' care or to the effectiveness of the team. We will not abdicate responsibility, even in the face of difficult circumstances.

Above all, we pledge to embody the highest standards of honor and integrity, understanding that entering into this profession comes with both great privilege and great responsibility.

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<sup>1</sup> Adapted from the Declaration of Geneva

<sup>2</sup> From the World Health Organization Constitution

<sup>3</sup> Adapted from the UCSF Emergency Medicine Residency Mission Statement

<sup>4</sup> From the YSM Class of 2017 Hippocratic Oath/Adapted from the Muslim Physician's Prayer