

PHYSICIAN-SCIENTIST RESEARCH TRACK



Jessica Ables, MD, PhD

MEDICAL: Icahn School of Medicine at Mount Sinai
PHD: University of Texas Southwestern School of Medicine
POST-DOC: Rockefeller University
UNDERGRADUATE: Southwestern University

Jess began her medical training and obtained her PhD in Integrative Biology at UT Southwestern before she moved to New York and completed her MD at Mount Sinai. Her doctoral thesis work explored signaling in adult neurogenesis, defining how Notch1 affects the generation of newly born neural progenitor cells in adult hippocampus and their differentiation and survival in the intact brain. Through this and subsequent work, she has become viewed as a go-to person by others needing assistance in neuroanatomical methodologies. Following graduation and prior to residency, she completed a post-doctoral research project at Rockefeller under Dr. Nathaniel Heinz, where she used BAC transgenic mice to characterize the structure and function of two novel cell populations in the interpeduncular nucleus, with implications for better understanding depression, anxiety, and addiction, including the somatic component of nicotine withdrawal. Jess has shown great ability as both an independent researcher and a collaborator and has published her work in numerous prestigious journals, including *Nature Neuroscience*, *Journal of Neuroscience*, *Nature Medicine*, *PNAS*, and *Biological Psychiatry*.



Sophia Kogan MD, PhD

MEDICAL: University of Massachusetts Medical School
PHD: University of Massachusetts Medical School
UNDERGRADUATE: Tufts University

Born in St. Petersburg, Russia, Sophia moved to America when she was 4. As a college sophomore, she watched her first chromogenic reaction develop and marveled at the ability to detect a single protein and study its role in the complex process of organogenesis. At that moment, she decided to become a scientist. For her doctoral thesis in Molecular Medicine, Sophia worked under the mentorship of Michael Czech in the highly competitive area of metaflammation. She focused on the role of inflammation in diet-induced obesity and Type 2 Diabetes through studying the physiology of brown and white adipose tissue. She also investigated the role of inflammation and lipid droplet proteins in non-alcoholic fatty liver disease. Her work has shown novel roles for CD40 (attenuating adipose tissue inflammation and protecting against hepatic steatosis) that have been contrary to expectations and dogma and have raised important questions for the field. Sophia has published her work in the *Journal of Clinical Investigation*, *Endocrine-Related Cancer*, the *Journal of Human Hypertension*, and multiple times in the *American Journal of Physiology*. She is interested in studying the molecular mechanisms that underlie metabolic disorders in the psychiatric population, both primary and medication-induced.

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GENERAL ADULT TRACK



Zebib Abraham, MD

MEDICAL: Weill Cornell Medical College

UNDERGRADUATE: University of Maryland

The daughter of immigrants from the Eritrean civil war, Zebib hails from a background that has heightened her sensitivity to resource allocation, sense of social justice, and power of medicine and public health to improve quality of life. Consistently perceived as mature beyond her years, Zebib received her college's highest undergraduate scholarship, covering all expenses for all four years, and graduated with honors concentrating in Neurology, Physiology, and English. At the University of St. Andrews, she bred worms to map their sex-trait determining gene mutations and studied cholinergic interneurons in the medulla of mice. Her considerable time spent in service, honing new skills in counseling and supporting others, and her passion for helping the world's population on a global scale have fueled her academic growth. Zebib has been an executive board member of Circle K International, worked to promote the development of mental health research in Mozambique, has been president of the Cornell Health Professions Recruitment and Exposure mentoring program for disadvantaged youth, and founded the Artists' Society at Weill Cornell.



Ralph (Parker) Fader, MD

MEDICAL: Rutgers, Robert Wood Johnson Medical School

UNDERGRADUATE: Brandeis University

Parker was awarded a considerable academic scholarship to Brandeis, and he worked nearly full-time throughout college as Manager of the Brandeis kitchen staff. He also obtained a university scholarship to cover his EMT training and spent three years volunteering in the Brandeis Emergency Medical Corps. He volunteered much of his free time serving as an LGBTQ youth counselor for the Queer Resource Center, which further fueled his passion for building social supports for underprivileged communities. Between college and medical school, Parker worked full time while volunteering dozens of weekly hours as a recruiter for the Center for HIV Educational Studies and Training. In medical school, he undertook a quality improvement study to examine possible discrepancies in time-to-treatment for Hispanic stroke patients. He has developed curricula to teach psychiatric concepts via film portrayals, has been a Gender and Sexuality Fellow of the American Medical Students Association, and he has been inducted into the Gold Humanism Honor Society.



Marissa Hudak, MD

MEDICAL: University of Colorado School of Medicine

UNDERGRADUATE: Emory University

Marissa's record of outstanding leadership, marked by creativity and persistence, has been evident throughout her work in quality improvement, research, and peer guidance. Her QI work, published in the *American Journal of Medical Quality*, investigated conflicts in the stroke alert system and helped reduce time to treatment in the University Hospital by 45%. This work earned a spot on the AHA Target: Stroke Honor Roll and won the Society for Hospital Medicine's Award for Excellence in Teamwork in QI. She has educated other hospitals and presented at the International Stroke Conference. She was subsequently hired by the hospital as an independent contractor for QI, facilitating its progression to a Comprehensive Stroke Center. She plans on bringing to psychiatry her approach to transforming systems to improve patient care. Marissa also worked as a research coordinator for numerous NIH-funded studies: hypothermia in stroke, antiplatelet agents post-stroke, and potential immunological markers to identify adverse events in MS treatment. In college, Marissa studied assessments to validate subtypes of psychopathy in incarcerated men (published in *Personality Disorders*). Recently, she is studying edible-marijuana-induced psychosis (manuscript submitted to the *American Journal of Psychiatry*). She founded UColorado's psychiatry interest group and was elected Chair of the Western US region of Psych-SIGN, liaising with the APA.

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Anna Kim, MD

MEDICAL: New York University School of Medicine

UNDERGRADUATE: University of Chicago

Originally hailing from Memphis, Tennessee, Anna is a child of Japanese/Korean and French immigrants. She graduated Phi Beta Kappa from the University of Chicago, concentrating in Biology and Neuroscience. As an undergraduate and as part of an NIH Neuroscience and Neuroengineering Program, she studied the genetic identity of premotor neurons in the mouse brainstem, focusing on Chx10 transcription factor involved in the development of key functions such as breathing and locomotion. She was also employed as a research coordinator throughout her undergraduate years, studying how nurses, nurse practitioners, residents, fellows, and attendings view patient mortality and morbidity in the neonatal and medical intensive care units; simultaneously, she studied related medical ethics, and her work was published in *Acta Paediatrica*. Also throughout her time at University of Chicago, she was General Editor and then Editor-in-Chief for the "Chicago Biological Investigator," an undergraduate research journal. In medical school at NYU, she investigated whether the effects of media exposure in low socioeconomic toddlers are associated with BMI at 3 years of age. While on the Bellevue Hospital Forensics inpatient unit, she researched the efficacy of intramuscular regimens in managing acute violence.



Teresa Lee, MD

MEDICAL: University of Texas Southwestern School of Medicine

UNDERGRADUATE: Rice University

Prior to college, Teresa was awarded the Most Valuable Student Scholarship from the Elks Foundation. Deeply invested in the arts at Rice, she published poetry, sang with the Rice Chorale, and served as the visual arts coordinator for Rice's Student Center, recruiting artists and executing art shows. She was also the smallest-built women's Rugby player. Her research in college characterized blood vessels in the developing avian eye with a focus on corneal avascularity and was published in *Developmental Dynamics*. During a post-bac, she worked as a neuroscience lab manager at UPenn School of Medicine, where she published two first-author papers (*Neurology*; *Human Molecular Genetics*) illustrating the ethnic diversity of genetic sequences in ALS. She was also recognized and awarded a scholarship from UPenn's Department of Fine Arts to study advanced ceramics at the nationally recognized Clay Studio in Philadelphia. In addition to extensive volunteerism in medical school, Teresa was President of AMWA, Board Officer of the a capella choir, and employed as a Manager of the Student Center. She recently completed a summer fellowship with HHMI, creating a system that would quantify the type of vector integration events of extrinsic Factor 9 in Hemophilia B mice.



Michael MacIntyre, MD

MEDICAL: Ohio State University College of Medicine

UNDERGRADUATE: Duke University

Michael concentrated in chemistry at Duke, researching the kinetics and thermodynamics of iron chelation from human transferrin by *Neisseria gonorrhoeae*. He was a teaching assistant in inorganic and organic chemistry, and as outreach he performed chemistry shows and demonstrations in various contexts, ranging from elementary school classes and the North Carolina State Fair to weekly museum shows. In college he provided care for Spanish-speaking only victims of domestic violence at the Durham Crisis Response Center. Before medical school, Michael was employed as a Technician at the San Diego Eye Bank, where he was in charge of procuring, preserving, and processing ocular tissue from cadavers to be used for human transplantation and scientific research. Michael was awarded a scholarship through Ohio State's P4 Medicine Institute, allowing him time in medical school for an interdisciplinary analysis of research projects from genetics to exercise physiology, with a particular emphasis on incorporating evidence-based information into medical practice and creating a personalized life strategy wellness plan for each patient. Michael was also elected to liaise between the Ohio Psychiatric Physicians Foundation and medical students, developing enhanced recruitment. He has studied the incidence of antipsychotic use in patients with anxiety disorder diagnoses, and for 3 years in medical school, Michael was President of Clowning in Columbus.

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Lisa Salstein, MD

MEDICAL: University of Massachusetts Medical School

UNDERGRADUATE: Smith College

Lisa's interest in psychiatry began when she volunteered for a suicide prevention hotline in high school, and she has since consistently involved herself in psychiatric practice and research. She worked as a decisional trainer with prison inmates addressing problem-solving skills, as well as an activities coordinator on the geriatric mood disorders and dementia units at McLean. Lisa has led a campus wide study to examine eating behaviors and perfectionism traits in dancers compared to other athletes. Between college and medical school, Lisa was a full time research assistant at the New York State Psychiatric Institute and at the Nathan Kline Institute, where she coordinated an NIMH study on the genetics of obsessive compulsive disorder and assisted in creating a new mouse model to study the neurobiology of secure infant attachment despite adversity (published in *Genes, Brain, and Behavior*). Previously, she had assisted in an NIMH study of borderline personality disorder. As leader of the psychiatric interest group, Lisa developed a mentorship program between an adolescent inpatient psychiatric facility and University of Massachusetts medical students.



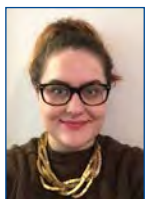
Jasdeep Sandhu, MD, MPH

MEDICAL: University of Texas School of Medicine at San Antonio

MPH: UT School of Public Health San Antonio Regional Campus

UNDERGRADUATE: Texas A&M University

Graduating college with a degree in international studies, Jasdeep has had a longstanding interest in global health policy. Her field work has taken her to Costa Rica, Guatemala, Mexico, and impoverished settings in Texas. A leader in her community—in academics, service, and compassion—Jasdeep sits on the student board of the Center for Medical Humanities and Ethics, serves as mentor to junior medical students, was President of the San Antonio chapter of Physicians For Human Rights, and served as the sole student representative on a University of Texas multi-school interdepartmental committee focusing on sustainability. Jasdeep has recently been doing work supported by a grant from the CDC, studying Hepatitis C and its treatment in the baby boomer population. Focusing on barriers to care, she is analyzing imaging findings, disease severity indices, and the relationship between alcohol abuse, BMI, and liver function. Jasdeep also practices yoga and would like to investigate how mindfulness activities may be integrated as therapeutic modalities.



Katherine Skosnik, MD

MEDICAL: Boston University School of Medicine

UNDERGRADUATE: McGill University

Hailing from Vancouver, with a stint in Dubai, Katherine graduated McGill concentrating in Philosophy and Cell and Molecular Biology. Her interests are widespread, from the academic and mathematical to the human and compassionate. In college she was awarded a grant to study the use of zero in ancient cultures, reviewing philosophical texts on the evolution of number systems, and researching primary texts from Mesopotamia, India, and Greece. Katherine is also passionate about personal narratives, being a voice for the underrepresented, and promoting physical and psychological safety. Working with the Berklee College of Music, she produced a music video, "Stolen Voices," that aims to raise awareness on the issue of consent and sex. She also co-directed the Vagina Monologues, co-chaired Medical Students for Choice, and chaired the psychiatry interest group. As an advisor in the "Healer's Art," she led students in developing skills and values to maintain humanism throughout a career in medicine. She was selected to present at the inaugural TEDxMcGill, which became one of the largest TEDx events in Canada.

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Adjoa Smalls-Mantey, MD, DPhil

MEDICAL: Columbia University College of Physicians and Surgeons

DPHIL (PHD): University of Oxford and NIH

UNDERGRADUATE: University of Maryland, Baltimore County

Adjoa was the top biochemistry student in college and received numerous prestigious scholarships for academics and leadership. As part of the HHMI/Meyerhoff Scholarship Program for all four undergraduate years, she conducted HIV pathogenesis-related research involving dimerization sites within the MLV genome and received the 2006 Goldwater Scholarship from the US Congress. She published her work in *Biochemistry* and the *Journal of Molecular Biology*. Receiving the highest possible priority score, Adjoa was awarded an individual NIH Fellowship grant to fund her MD/PhD training. Beginning at the NIH, she developed a soon-to-be sought after novel flow cytometry assay to measure cytotoxic activity of NK cells against HIV-1 infected CD4+ T cells. She published this and consequent research findings in the *Journal of Virology*. At Oxford Adjoa completed the work she started at the NIH. She also developed a method for generating neutrophils from human stem cells. Her independent research provided significant new insights into HIV and were published in *PLoS One*. While at Oxford, Adjoa participated in the Science Innovation Plus Programme, a highly selective business school training program for science graduate students. Adjoa was the graduate student catering director at Magdalen College at Oxford, Secretary of the Columbia P&S Black and Latino Student Organization, and the third black woman to complete a marathon on 7 continents.



Rachel Tamaroff, MD

MEDICAL: SUNY Downstate Medical Center College of Medicine

UNDERGRADUATE: Cornell University

Graduating Cornell with a degree in Human Development, Rachel initially worked as a high school physics and physical science teacher, in addition to being 8th grade advisor and the Assistant Coach of the girls' soccer, basketball, and lacrosse teams. Awarded an Intramural Research Fellowship at the NIH/NICHD, she worked with Marc Bornstein, Head of Child & Family Research, studying infant familiarization and fatigue, categorization and cognitive development, facial recognition, shape perception, brain development, movement mapping and learning, and mother-child interactions. Her work on obstacle avoidance in 9-month-old infants' reach to grasp is currently under review, and she has presented at the International Society for Developmental Psychobiology and the International Neuropsychological Society. Rachel attended Downstate on the Clinical Neurosciences Pathway and was President of the psychiatry interest group. She has most recently conducted research and presented her findings on how medical student attitudes toward psychiatric and non-psychiatric patients affect patient management.



Michael Yee, MD

MEDICAL: University of Chicago Pritzker School of Medicine

UNDERGRADUATE: University of Rochester

Graduating magna cum laude, Michael's interest in psychiatry developed during his collegiate exploration into social psychology as part of the Take 5 scholars program, in which he was granted a 5th year free of tuition to pursue independent study and graduate level courses. In medical school, he quickly demonstrated his commitment to leadership, education, service, and an attunement to diverse populations. At U of C, he joined the Medical Education Scholarship Track, through which he worked to improve the medical neurobiology course. He also served as a teaching assistant for multiple courses and obtained advanced training in teaching skills. Following his first year, Michael was selected to be a part of the Medical Students Training in Aging Research (MSTAR) Program, funded by the American Federation for Aging Research. He studied the time course of statins' efficacy in primary prevention and rational prescribing practices for geriatric patients with multimorbidity. The findings were presented first at the American Geriatrics Society and then published as an article in *Drugs and Aging*. He has been Co-president of Humanism in Medicine, Co-chair of the Asian Pacific American Medical Student Association, Co-president of Say Ahhh! a capella, and a mentor for beginning medical students at a Spanish and Polish speaking clinic.

CLINICAL PSYCHIATRY TRACKS



Maria Kosovsky, MD

MEDICAL: Weill Cornell Medical College
UNDERGRADUATE: Harvard University

Born in Moscow, Russia, Maria grew up in Utah and New York before studying Linguistics and Near Eastern Languages and Civilizations at Harvard. After college, she spent 5 years working as the Operations Coordinator at Harvard's Office of Technology Development. During this time, she also worked translating legal documents in Spanish, French, Turkish, Hebrew, German, Russian, Romanian, Bulgarian, and Ukrainian, and continued her work as a freelance medical and scientific interpreter while in medical school. During a scholarly year, Maria secured two grants allowing her independent funding to investigate L-type calcium channels in the development of parvalbumin-positive GABAergic neurons in mouse prefrontal cortex, and test neurogenesis-enhancing agents to treat addiction in mice.



Heidi Adlman Browne, MD

MEDICAL: Icahn School of Medicine at Mount Sinai
UNDERGRADUATE: Brown University

Graduating Brown with a degree in Neuroscience, Heidi spent two years after college studying the genetics of inhibitory neural synapse development in mouse hippocampi, resulting in a paper in *Nature*. She continued to be highly productive during her medical school years, publishing in *Nature Neuroscience* (morphine-induced epigenetic changes in reward circuitry) and *JAMA Psychiatry* (familial and environmental risk factors in OCD and tic disorders). She has also investigated how second generation antipsychotic medications may induce metabolic changes by altering the gut microbiome in rats. Much of her extracurricular time was also devoted to providing psychiatric care to the local community, serving as Clinic Manager and Chief Mental Health Teaching Senior at Mount Sinai's East Harlem Health Outreach Partnership.



Sierra Ferguson, MD, MSc

MEDICAL: Sackler School of Medicine - New York State American Branch
MSC: London School of Economics
UNDERGRADUATE: Pomona College

Born and raised in Gainesville, Florida, Sierra attended college in California where she studied Politics and French. After college she traveled to study in the fast paced world of London finance, working as a global markets analyst on the trading floor of a multinational investment bank, while serving as deputy editor of a peer-reviewed international studies journal. She has worked in India on a large-scale microfinance project to develop tools to protect rural farmers against income shocks. While in medical school, Sierra spent time in a Physicians for Human Rights branch in Palestine's West Bank, helped obtain political amnesty for survivors of torture, and initiated a PTSD training program for medical students. She has also conducted research for a National Science Foundation grant to increase the number of women in science and engineering.

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Eve Holwell, MD

MEDICAL: Sidney Kimmel Medical College at Thomas Jefferson University
UNDERGRADUATE: Yale University

Possessing a love of writing and scholarship, Eve has published on revenge and hopelessness in developmental, cultural, and clinical realms. She served as a specialist charged with overseeing the creation of the curriculum for more than 20 courses taught by the Writing Program at a newly established campus in the University of California system. At Columbia University's Center for Bioethics, she ran a research project evaluating hundreds of egg donor recruitment clinics, highlighting ethical malfeasance, possible exploitation of vulnerable populations, and biased marketing practices; her work resulted in multiple peer-reviewed publications and has been cited in multidisciplinary and popular media. Also dedicated to providing support to underserved populations, Eve has spent many years leading efforts in homeless shelters and HIV/AIDS centers.



Mark Kurzrok, MD, MPH

MEDICAL: Icahn School of Medicine at Mount Sinai
MPH: Johns Hopkins Bloomberg School of Public Health
UNDERGRADUATE: Duke University

At Duke, Mark focused on history and chemistry, studied abroad in Ecuador, and completed an honors thesis about the Afro-Ecuadorian land-reform struggle. Following graduation he worked as team leader for a health-focused microfinance organization in southern Ecuador. He has been awarded funding to investigate chronic kidney disease risk factors among Nicaraguan sugarcane farmers. In medical school, Mark has devoted most of his extracurricular time as a Human Rights and Social Justice Scholar and as a leader in the student-run free primary-care clinic. He has been honored as one of 12 students selected to participate in the InterClerkship Ambulatory Care Track (InterACT), a longitudinal experience running the entirety of the 3rd year. During a scholarly year and MPH, he explored public mental health and quality improvement initiatives, including behavioral health outcomes measurement tools.



Shin Lee, MD

MEDICAL: New York University School of Medicine
UNDERGRADUATE: University of Illinois

Born and raised in South Korea until middle school, Shin earned a four-year, merit-based scholarship to the University of Illinois, studying chemistry with a focus on cysteine mutagenesis and the preparation of spin-labeled ¹³C, ¹⁵N alpha-synuclein for solid state NMR, for which he won the award for best senior thesis. This research, applicable to Parkinson's Disease, was published in PLoS ONE. Shin's leadership experiences and commitment to serving others are grounded in his faith, and have taken root in the Korean Student Association, the Christian Fellowship, and the Christian Health Student Association, and he was an executive member of his own church. He has volunteered in Mongolia, teaching children ages 6-17. Also an accomplished pianist, percussionist, and vocalist, Shin has led numerous choirs. His interests lie in geriatric psychiatry.

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Daniel Suter, MD

MEDICAL: University of Pittsburgh School of Medicine

UNDERGRADUATE: University of Toronto

Raised in Pittsburgh, Daniel studied physiology and French in Toronto before working at McGill University investigating the emergence of Lyme disease in Quebec in the context of global warming. He was a French-English translator for many years. Daniel co-founded Pitt's Social Determinants of Health Interest Group, and he has volunteered across the globe, including leading a social advocacy group to allocate funds for national healthcare in Uganda, acting for ecological projects in Peru, and working in Amazonian Ecuador. He was awarded a Schweitzer Fellowship, allowing him to design a curriculum covering chronic health conditions on the Southside of Pittsburgh. Daniel has been funded by a T32 Translational Research Grant to study sleep abnormalities in combat veterans with PTSD, specifically using PET imaging to determine neurobiological correlates of the DSM symptom clusters; he has presented his work nationally and coauthored two manuscripts. Daniel has been inducted into the Gold Humanism Honor Society.



Rachel Turchin, MD

MEDICAL: Sidney Kimmel Medical College at Thomas Jefferson University

UNDERGRADUATE: Columbia University & Jewish Theological Seminary

Attending a double-degree program on a full-tuition scholarship, Rachel worked with the noted social psychologist E. Tory Higgins, studying the effects of personality on behavior. After full-time employment as manager of the Blackboard Learning Management System in which she ran training sessions for faculty and students, Rachel worked organizing and preparing collectible stamps for sale through e-commerce websites. She later worked full-time for the Claims Conference, a non-profit organization helping holocaust survivors with restitution payments and general social services worldwide, translating archival documents from Russian, Ukrainian, and Romanian, and counseling thousands of survivors and families. Rachel has worked in refugee health in Philadelphia, volunteered with orthopedically-injured children and housebound seniors, and studied in Guatemala. She is an avid skier and snowboarder, and has taught herself piano and guitar.



Lawrence Vaynerchuk, MD

MEDICAL: Rutgers New Jersey Medical School

UNDERGRADUATE: Rutgers University

Larry was born in New Jersey only weeks after his parents emigrated from Russia; he began elementary school speaking only Russian. Larry double-majored in biology and psychology at Rutgers, winning numerous awards for academic achievement and graduating with a 4.0 GPA, while leading fundraising events for children with cancer and researching circadian rhythms in *C. elegans*. During college, Larry discovered a passion for teaching and tutored organic chemistry before designing and teaching his own ten-week course for college freshmen interested in pursuing medical school. His work in education extended into medical school, where he taught biology to high school students and co-edited a book of board-style questions for psychiatry shelf exam review. With a particular interest in consultation-liason psychiatry, Larry has presented a case report on sertraline-induced bruxism resulting in dental fractures at the American Psychosomatic Society annual meeting in 2016.

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Naomi Weiss-Goldman, MD

MEDICAL: Icahn School of Medicine at Mount Sinai

UNDERGRADUATE: Yale University

Born in Israel and raised in Connecticut, Naomi founded the women's pole vault team and was captain of the track and field team. She studied psychology and music at Yale, working in the comparative cognition laboratory testing capuchin monkeys, and serving as musical director of Whim 'n Rhythm, Yale's premier all-senior, all-female a cappella group, also leading a world tour and performing at numerous venues globally. While in medical school, Naomi was a member of the New York Choral Society, and has performed at Lincoln Center and Carnegie Hall. While researching the properties of post-mastectomy wound fluid that promote cancer cell growth, she studied how artwork in healthcare settings is associated with shorter in-patient recovery time, decreased anxiety, and reduced analgesic use. Naomi has also been a team leader and senior clinician in Mount Sinai's global healthcare organization providing healthcare to under-served populations both nationally and abroad.



Jessica Yang, MD

MEDICAL: University of Maryland School of Medicine

UNDERGRADUATE: Dartmouth College

Jessica was born in China and studied history and biology at Dartmouth. She has studied and written on topics ranging from the origins of anorexia nervosa as a disease in 19th century England to the clinical signs and symptoms of iatrogenic bowel perforation in post-operative patients. Most recently, she assessed perceived quality of life in Parkinson's disease patients. Prior to medical school, Jessica worked for two years at the Child Mind Institute in New York, focusing in part on working with children with selective mutism. As a medical student, she served on the Student Council as Class Secretary. She has designed a text messaging program and developed social media resources to encourage exercise in underprivileged adolescent populations. Her interests include kayaking, badminton, and classical violin.

PHYSICIAN-SCIENTIST RESEARCH TRACK



Trevor Griffen, MD, PhD

MEDICAL & PHD: Stony Brook University School of Medicine

PHD: Stony Brook University School of Medicine

UNDERGRADUATE: Brown University

Trevor's passion for neuroscience developed early in his undergraduate years at Brown, where he was honored with teaching and research awards. This passion blossomed into a particular focus on developmental neurobiology, as he was drawn to basic developmental research as well as to working clinically with children and adolescents. His interest guided his pursuit of a joint MD/PhD degree in the lab of Arianna Maffei. His research into visual cortical circuit activation during the first five weeks of rodent postnatal development found that there is a window of time in which the visual system is particularly sensitive to sensory experience; this work resulted in a well-cited publication on how environmental stimuli can shape brain circuits. Trevor has been exceptionally able to bridge clinical and basic research, winning a Neuroscience Travel award for positing a successful model to combine clinical and research careers.



Georgios Voloudakis MD, PhD

POST DOC: Icahn School of Medicine at Mount Sinai

MEDICAL & PHD: University of Crete Faculty of Medicine

Born in Greece, George completed an MD/PhD as an Honors student at the University of Crete, and through the ERASMUS program, was awarded the opportunity to be an exchange student at the Karolinska Institutet, in Stockholm, Sweden. George conducted his PhD work, focusing on the molecular mechanisms of cell death in Alzheimer's disease, in collaboration with both the University of Crete and the Robakis Laboratory at the Icahn School of Medicine at Mount Sinai. As a post-doc, he has since broadened his research scope to study schizophrenia and addictive disorders, employing genetics and genomics techniques under the guidance of Pamela Sklar and Panos Roussos. As a resident on the physician-scientist track, George will expand and develop the projects that he has begun at Mount Sinai. Outside of his career, George is a lover of international travel and is accomplished in martial arts.

RESIDENCY + PHD RESEARCH TRACK



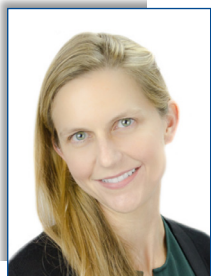
Amirhossein Modabbernia, MD

POST DOC: Icahn School of Medicine at Mount Sinai

MEDICAL: Tehran University of Medical Sciences

Amirhossein is a brilliant young graduate of Tehran University, where he scored first in the country on the national exams in both basic and clinical sciences. Following medical school, he embarked on a translational research career and already has an extensive publication record of more than 40 peer-reviewed articles focusing on novel therapeutics for psychiatric disorders. He came to Mount Sinai to complete post-doctoral training in psychiatric epidemiology in developmental disorders in our Division of Child and Adolescent Psychiatry. He now joins our novel "PhD+" residency track to complete clinical training and add to his skill set as a translational researcher by obtaining a PhD degree. In addition to his outstanding productivity in his academic career, Amir is also an accomplished player of traditional Persian music and a lover of poetry, philosophy, and literature.

CLINICAL PSYCHIATRY TRACK



Rose Leipualani Carlson, MD, PhD

MED SCHOOL: Columbia University College of Physicians and Surgeons

GRAD SCHOOL: UC Davis, Department of Evolution and Ecology

UNDERGRAD: Cornell (Biology)

Born in Hawaii in circumstances improbable to academic success, Rose put herself through college at Cornell via a near-full-time position maintaining and performing research in a zebrafish facility. She graduated in the top 1% of her class. In graduate school she identified the ecological factors that affect the rate of morphological diversification of the species rich radiation of small North American stream fishes. As a postdoctoral fellow at Harvard's Department of Organismic and Evolutionary Biology, she used Particle Image Velocimetry to study how darter fishes hold station, and at UT Austin's Section of Integrative Biology, she examined the effects of community diversity on diet breadth. As an Assistant Professor at Fordham University, she started her own darter fish lab while teaching numerous courses and mentoring trainees at undergraduate and graduate levels. She has at least 7 first-author papers in high-impact evolutionary ecology journals and has received multiple awards, grants, and scholarships. She is also a talented artist, illustrating her own papers as well as illustrating for others in *Functional Ecology*, *American Naturalist*, and *Ecology*. In medical school, she began studying the role of *Prevotella melaninogenica* in the cystic fibrosis pulmonary biome, and an additional research year at the Children's Hospital of Philadelphia, she created a body of work that formed the basis of an R01 her PI recently submitted. She has researched the medical and psychiatric correlates of care disengagement in HIV-positive patients. Last year she completed the Montauk Lighthouse Triathlon.



Peter Chamberlin, MD

MED SCHOOL: Weill Cornell Medical College

UNDERGRAD: SUNY Purchase (Dance Performance)

Raised in rural Maine, Peter took to ballet at a young age. As a junior in high school, he was offered a scholarship to study ballet at North Carolina School of the Arts, after which he was an apprentice with BalletMet in Columbus, OH. Earning his Bachelor of Fine Arts in Dance Performance at Purchase College, he received the President's Award for Academic and Artistic Achievement. Following graduation, he worked for a number of years professionally in both commercial and concert dance. He has worked with choreographers and companies that include Kyle Abraham, Douglass Dunn, Luke Murphy and the Bill T. Jones/Arnie Zane Dance Company. He has toured and performed domestically and internationally, including for the Queen of Denmark in the Royal Danish Theater and President Obama at the Kennedy Center Honors Award Ceremony. He has also taught master classes at Bard College, Barnard College, Movement Research, and other institutions. Confronted with a serious spinal condition, Peter entered medical school in a new career trajectory. He did research at the Hospital for Special Surgery, Columbia University Mailman School of Public Health, and Weill Cornell. His developing interests took him to study large-scale community health issues, including working to develop preventive interventions against interpersonal youth violence, coordinating with community members in Brooklyn to organize cardiovascular screening, and researching consumer purchase data and nutritional information to analyze the impact of the Healthy, Hunger-Free Kids Act in school districts across the US. He has published a first-author manuscript in the *Journal of ECT*, and he has studied provider-centric experiences of feeling guilt in provision of futile care to dying inpatients.



Jessica De Sabato, MD

MED SCHOOL: Sidney Kimmel Medical College at Thomas Jefferson University
UNDERGRAD: University of Pennsylvania (Biology)

From South Philadelphia and among the first in her family to attend college, Jessi received a full ride to Penn and will graduate medical school in the top of her class. Open to the wide-ranging possibilities within medicine, she entertained numerous options for employment prior to matriculation at medical school. She performed research as part of the Complex Genetics Initiative at the Penn Cardiovascular Institute. For 2 years she worked full-time at The Children's Hospital of Philadelphia, as a Clinical Research Coordinator in the Division of Orthopaedic Surgery, where she managed over 20 research projects, including seven prospective studies. Since the beginning of medical school, Jessi has demonstrated a pronounced and genuine focus on service to the community, and she has held numerous positions of leadership in this area. On the leadership board of The Story Initiative, she edited books written and illustrated by first and second year medical students, to be donated to orphanages all over the world. As part of the governance of her medical school's mentorship program for local elementary and high school students, and as the triage director of a weekly student-run free clinic operated at a men's homeless shelter, she has brought academic enhancement and mental and physical well-being to community members of all ages. As a first year medical student, she was nominated by faculty to sit on the associate provost's Committee of Student Advisors, where she provided a student's perspective on university-wide initiatives and issues.



Jamie Haas, MD

MED SCHOOL: Rush Medical College
UNDERGRAD: Carleton College (Psychology; Neuroscience)

Jamie began college with the goal of becoming a photojournalist, seeking a means to capture nuances of human interactions. With her first neuroscience class, however, she became fascinated with the intricacies of the brain as manifest in emotion, cognition, and behavior. Her focus shifted: she matriculated at medical school to pursue psychiatry, a clear amalgam of her background in socially-perceptive art, neuroscience, psychology, advocacy, service, teaching, and mentorship. She worked at Minneapolis' Washburn Center to provide comprehensive support for children struggling with mental illness. She also served as a curriculum designer, lead teacher, and Chicago Public School liaison for a science enrichment program benefitting underserved students on Chicago's West Side. A committed proponent of women's reproductive rights, Jamie was a Clinic Coordinator for Planned Parenthood. She later led her medical school's chapter of Medical Students for Choice, challenging colleagues to discuss difficult topics. She has held research coordinator positions at both the University of Chicago's Monogenic Diabetes Registry and the Human Imaging Research Office, as well as at the University of Minnesota's Laboratory for Low Vision Research. She has investigated the effect of endocrine-disrupting chemicals on glucocorticoid receptor signaling as a contributor to metabolic disease pathogenesis. Jamie will graduate medical school AOA.

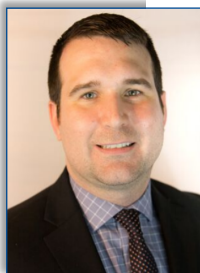


Peter Joe, MD

MED SCHOOL: New York University School of Medicine

UNDERGRAD: Cornell University (Biology; Chemistry)

Peter was born in Korea and moved to the US at age 6. Having no physicians, scientists, or engineers in his family, he nonetheless received a four-year scholarship for high-performing international students pursuing health-related fields at Cornell, graduating Phi Beta Kappa. In college he used microfabricated substrates to study the effect of spatial heterogeneity of age-related vessel wall stiffening on endothelial permeability, and he worked with the Cornell Elderly Partnership. He was also employed as a consultant at Cornell's IT Service Desk. He has interned in the Division of Breast Surgery at Seoul National University Cancer Center, where he also worked to translate patient education materials from Korean into English. Upon matriculation at NYU School of Medicine, he initially performed research in cardiology before coming to experience psychiatry as his chosen field. Since beginning research in psychiatry, he has been extremely productive, creating a body of work investigating the role of zinc in depression, psychosis, and aggression; the role of transglutaminase-5 in schizophrenia; the connection between schizophrenia, inflammation, and the microbiome; and the potential for ophthalmological imaging techniques to identify a novel vascular biomarker for schizophrenia and bipolar disorder. He has 3 first-author publications (*Schizophrenia Research*, *Psychiatry Research*) and one in progress as well as additional publications in which he is co-author. He recently spent time at Seoul National University working in a neuroimaging lab.

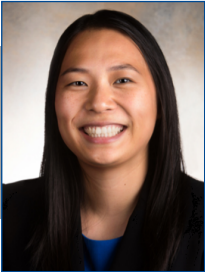


Jonathan Lester, MD

MED SCHOOL: Johns Hopkins University School of Medicine

UNDERGRAD: Stony Brook University (Biology)

From the very eastern tip of Long Island and beset with financial pressures limiting his educational pursuits, Jon felt a strong desire to do more with his life, so he enlisted in the US Army. He served as an active duty paratrooper with the 82nd Airborne Division, where he was initially deployed in support of Operation Iraqi Freedom to provide humanitarian aid and security for Iraq's first democratic elections. Later, he was re-deployed—as part of the first brigade to arrive in the troop surge—to Baghdad, where he would complete one of the Army's longest combat deployments since World War II. During this deployment he served on a personal security detachment for Army commanders and State Department officials involved in provincial reconstruction. One of the prime motivating factors in Jon's life is service. To wit, he injured his back as a paratrooper and rather than seeking a medical discharge, he returned to the states to undergo surgical intervention that allowed him to return to service in Iraq. He has been awarded multiple Army Commendation Medals (Fort Bragg, NC; Camp Buehring, Kuwait; Camp Taji, Iraq), The Army Good Conduct Medal (Fort Bragg, NC), and The Army Achievement Medal (Tal Afar, Iraq). Following his military service, he matriculated at Stony Brook University, was on the Dean's List all 4 years, and graduated Magna Cum Laude. While in college, he worked as an EMT on Long Island for the Setauket Fire Department, providing 24/7 in-house emergency response during both Hurricanes Sandy and Irene. After college, he spent a year working as a full-time tutor, where he implemented an online tutoring platform and was rated as among the top service providers. During all 4 years of medical school, he performed translational research at the Wilmer Eye Institute, analyzing the inflammatory cytokine profile of ocular anterior chamber fluid from patients with inflammatory eye diseases such as uveitis and macular edema.



Yuan Liu, MD

MED SCHOOL: University of Chicago, Pritzker School of Medicine

UNDERGRAD: Swarthmore College (Studio Art; English Literature)

Born in China and raised in Arkansas and Kansas, Yuan attended Swarthmore and graduated with the Dean's Award, after which she undertook an Americorps VISTA fellowship in youth playwriting. For the several years before medical school, she continued to work half-time as the marketing and communications consultant for Philadelphia Young Playwrights while also working full-time as the Admissions Coordinator for PennDesign at the University of Pennsylvania and pursuing a professional ceramics career. Her transition into medicine was inspired by a desire to combat the barriers to care that she witnessed as a volunteer interpreter in a Chinatown free clinic. At Pritzker, she continued to serve in numerous student-run clinics and held leadership positions at the Community Health Clinic. She undertook original healthcare disparities research in lung transplants (resulting in a first-author publication in the *Journal of Heart and Lung Transplantation*). During a research year, she worked on a project involving reproductive health policy, namely investigating the impact of religious hospitals and healthcare systems on reproductive health services access, delivery, and transparency. A second project sought to identify religious insurance plans' restrictions on reproductive health services and determine patient knowledge of such restrictions. Yuan has been involved in and spearheaded numerous successful initiatives promoting women's professional development, and networking, mentorship, and wellness activities for medical students. Highly focused on teaching and mentorship, she worked as a TA many times over and was selected to be one of two student representatives for the Clinical Curriculum Review Committee for three years.



Thomas Maples, MD

MED SCHOOL: University of Texas Southwestern Medical School

UNDERGRAD: University of Texas at Austin (Computer Science; Biology)

Long interested in how the science of medicine meets the promise of computational networks, Thomas immersed himself in bioinformatics in college. He developed a model for the spatial spread of influenza within North America that accounts for the presence of international borders. He validated this model with US Census data and created an online interactive map for visualization purposes. In medical school he served as president of the Immunization Initiative for children, presided over the Innovating Healthcare Solutions Elective, and developed a prototype for a medical device to reduce muscular trauma during hip replacement surgery. He has investigated the impact of dopamine and serotonin on motor function by exposing nematodes to exogenous neurotransmitters (published in the *Proceedings of the National Academy of Sciences*) and developed a simple assay for determining the level of ethanol sensitivity in various strains of fruit flies (published in the *Journal of Visualized Experiments*). Thomas also conducted additional bioinformatics research, developing tools to analyze the gene expression profile of regenerating hepatocytes and pancreatic beta cells following chemical insults and surgical resection (published in *Cell Stem Cell*). He tutored 6 preclinical courses and developed tutoring materials for UT Southwestern's the new preclinical curriculum. He was the recipient of the Southwestern Medical Foundation Scholarship, and he has been inducted into AOA. He sings *a cappella*.



Jeannine Rider, MD

MED SCHOOL: The Warren Alpert Medical School of Brown University

UNDERGRAD: University of Rochester (Biology; Psychology)

Throughout her career Jeannine has been deeply committed to advocacy, mentorship, teaching, and youth empowerment. Strongly identifying with the self-determination theory of motivation, she did collegiate research and taught in the field of motivational psychology. At the same time, she founded and served on the executive board of the Rochester chapter of Active Minds, a national organization that empowers college students to speak openly about mental illness in order to promote awareness and encourage help-seeking. Following graduation, she entered the Peace Corps in Namibia, where she lived for 2½ years with a host family in a rural village without electricity or running water. She was responsible for teaching in numerous areas at the local school, and she was later elected chair of the Math and Science Department. She also established a school store to generate income and taught bookkeeping skills to the Entrepreneurship club to empower students to run the store. Upon returning to the US, she was employed full-time as a patient care technician in the emergency department while she applied to medical school, ultimately matriculating at Brown, where she received both the Alpert Medical School Dean's Scholarship as well as the Brown University Scholarship. Receiving a grant to create and formalize a curriculum that would sustainably meet the needs of adjudicated youth in Rhode Island, she founded BE REAL about Health, in which medical students create longitudinal relationships with groups of incarcerated youth through tailored, discussion-based lesson plans. Her program has persisted and continued to expand into other facilities helping at-risk youth. She has also represented medical students as an officer on the statewide RI Council of Child & Adolescent Psychiatry. She has been inducted into the Gold Humanism Honor Society and is a recipient of the Christopher Benedick Child Psychiatry Award for her dedication to the field throughout medical school.



Marissa Sampias, MD, MS

MED/GRAD SCHOOL: Georgetown University School of Medicine

UNDERGRAD: Princeton University (Chemistry)

Raised in Colorado, Marissa matriculated at Princeton University for college, where she played Division I varsity soccer and was a starter in the defensive line on the 2008 team that won the Ivy League Championship. She has served as a mentor to multiple younger female athletes in the community. In college she worked for 2 years in a biophysical chemistry group using nanoscience to better study complex systems from the single-molecule level. Her independent project focused on creating a fluorescent nanoscale probe to better detect and study the activity of a single enzyme in vitro and in vivo. She also helped to develop a reproducible protocol for synthesizing silver nanoparticles and quantum dots, as well as a surface passivation protocol to make these inorganic materials water-soluble. Awarded a Princeton Project 55 Fellowship, she performed full-time research between college and medical school, focused on identifying the biochemical factors underlying species-specific tropism of HIV and related viruses, with an end goal of creating an animal model in which novel antiretroviral therapies and vaccines could be better tested. She helped to generate a library of chimeric viruses expressing CCR5-tropic, HIV-1 derived envelopes to test for replication in vitro & in vivo. Her work has been published in *Journal of Virology* and *Cell Host & Microbe*. In medical school Marissa presided over a comprehensive sex education program for high-risk teenage girls, received funding to study the utility of telemedicine to deliver remote therapy to survivors of domestic violence with PTSD, and presented on her work characterizing a relationship between mindfulness practice and PTSD-related symptom severity.



Anita Verma, MD (PGY-2)

MED SCHOOL: University of California San Francisco School of Medicine

UNDERGRAD: Stanford University (Art History; Human Biology)

Anita graduated Phi Beta Kappa from Stanford, where she received the departmental prize in Art & Art History. In college, she worked as the Director of Production for the Stanford Scientific Magazine, an internationally-distributed student-run quarterly overseen by a faculty advisory board led by the former editor-in-chief of *Science*. Bringing her advocacy, leadership, and artistic talents to the fore, she served as President for the Stanford Chapter of Amnesty International, and her work was requested for re-publication in the multi-edition college manual, *Your College Experience: Strategies for Success*. At the Stanford's Cantor Center for the Visual Arts, she curated an exhibition on "Chiaroscuro Woodcuts from 16th Century Italy", which was featured as one of the *San Francisco Chronicle's* "Art Highlights of the Season" in 2010. After graduation, she worked as a research associate at the Center for the Study of the Presidency & Congress in Washington, DC, where she was Project Coordinator for the Commission on U.S. Federal Leadership in Health and Medicine, co-chaired by a former U.S. Assistant Surgeon General and a president emeritus of the Mayo Clinic. In this capacity, she developed and coordinated the Commission's report comprising health policy recommendations to the Administration and Congress that were reflected in national ACA legislation. Matriculating at UCSF for medical school, Anita served as a member of the institution's Do No Harm Coalition to raise awareness of police violence in minority communities. She has been an advisor and mentor to at-risk youth and co-coordinated a medical school course on Social Activism in Medicine. She has contributed to a text chapter on the history of neuroscience, to be integrated into a history of medicine curriculum for future UCSF medical students, and she has published in the *American Journal of Roentgenology*. She has presented at San Quentin State Prison on integrating art therapy into mental health care in correctional settings. She is now coming to Mount Sinai having completed one year of a categorical pediatrics residency at UT Southwestern, looking to expand on her interests in adolescent and young adult medicine with a focus on mental health care. She additionally hopes to further develop her interests in interdisciplinary medical humanities and advocacy in her psychiatric career.

PHYSICIAN-SCIENTIST RESEARCH TRACK



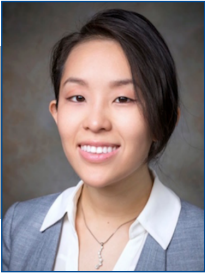
Andrew Smith, MD, PhD

MED/GRAD SCHOOL: Yale University School of medicine

UNDERGRAD: Northwestern University (American Studies)

Andrew was born in Seattle and raised in Shaker Heights, OH where he graduated *cum laude* from University School. While completing his premedical requirements at the Harvard University Extension Program, his research in a cell biology lab localized a novel protein (*Journal of Biological Chemistry*, 2010) and shaped his future career choice to become a Physician-Scientist. In the Medical Scientist Training Program at Yale, he earned his PhD for research done in the lab of Joel Gelernter (Foundations

Fund Professor of Psychiatry; Professor of Genetics and Neuroscience; Director, Division of Human Genetics). Andrew received support from an individual NRSA fellowship funded by NIDA, and his work was recognized by a NIDA Director's Travel Award and a Student Encouragement Award from the International College of Neuropsychopharmacology. The primary goal of Andrew's doctoral work was to advance a "precision medicine" approach that could improve the care of individuals with substance use disorders. Specifically, Andrew's research focuses on using molecular data to select the right treatment for a given patient more efficiently than standard practice, minimizing clinical trial and error. His impressive research during his PhD training has resulted in co-authored publications in *Nature Communications*, *Translational Psychiatry*, *Addiction Biology*, and the *Journal of Biological Chemistry*. In a recent first-author publication in *Molecular Psychiatry*, Andrew connected genetics to opioid agonist dosing. The clinical potential of genetically-tailored patient care—as shown in Andrew's paper—was highlighted by NIDA leadership, who included a discussion of this paper as part of submitted testimony at hearings in the US Congress on the opioid addiction crisis. Andrew's goal at Mount Sinai is to build on his background in statistical genetics by combining other approaches, such as biochemistry, electrophysiology and neuroimaging. He is particularly interested in incorporating biomarkers into randomized clinical trials of therapeutic interventions. His ultimate goal is to characterize individual patients based on a mechanistic understanding of their distinct pathophysiologies, to rationalize treatment selection, and improve outcomes.



Genevieve Yang, MD, PhD

MED/GRAD SCHOOL: Yale University School of Medicine

UNDERGRAD: Columbia University (Biology; Mathematics)

An only child, Genevieve was born in Buffalo and initially raised in Sichuan, China before moving back to the US at age 3. From a very young age she excelled in the sciences. As an example of her outstanding accomplishments, she co-authored a paper that was featured on the cover of *Nature Materials* based on her undergraduate work at Columbia University on synthetic tissue engineering. After considering a career in genetic engineering, Genevieve decided to attend medical school to do clinical research, following the steps of her physician father and grandfather, and she enrolled in Yale's Medical Scientist Training Program. During her MD/PhD at Yale, Genevieve was supported by a NIMH National Research Service Award fellowship and worked with Alan Anticevic and John Krystal (Chair, Department of Psychiatry; Robert L. McNeil, Jr. Professor of Translational Research; Professor of Psychiatry and Neuroscience). Her doctoral work focused on identifying biomarkers for schizophrenia using non-invasive neuroimaging methods and mapping clinical symptoms to underlying neurophysiological changes. For her PhD dissertation, she co-developed an innovative biophysical model of whole-brain activity using simulations of cellular-level dysfunctions for interpreting resting-state functional magnetic resonance imaging (rs-fMRI) findings in schizophrenia patients. Genevieve is an incredibly productive researcher, and has authored 13 publications during her PhD training, including 3 first-author publications in top journals (2 in *PNAS* and 1 in *Cerebral Cortex*). Her debut first-author paper (Yang et al., Altered Global Brain Signal in Schizophrenia, *PNAS* 2014) has already been cited an impressive 137 times. Her work has been recognized with the Predoctoral Scholars Award from the Society of Biological Psychiatry, the Trainee Professional Development Award from the Society for Neuroscience, the Cosyne Presenter Travel Grant, and poster award finalist honors at the Schizophrenia International Research Society and the Society of Biological Psychiatry Meetings. At Mount Sinai, while deepening her clinical knowledge about schizophrenia, Genevieve plans to learn about diverse interventional approaches to neuropsychiatric diseases and continue to use biophysical modeling to map the impact of clinical interventions on neuroimaging biomarkers. Always passionate about helping patients, Genevieve's ultimate goal is to improve our understanding of the biological mechanisms of schizophrenia in order to enhance screening strategies and develop new treatment options.

CLINICAL PSYCHIATRY TRACK



Diana Bartlett, MD, MA

MEDICAL: Keck School of Medicine of the University of Southern California

GRADUATE: Indiana University at Bloomington, Comparative Literature

UNDERGRADUATE: University of California at Berkeley, English Literature

Before medical school, Diana focused on languages and the art of literary analysis, published an anthology of American poetry translations while living in Chile, and earned a Master's degree in comparative literature for her thesis exploring *Architectural Metaphors for Memory in Saint Augustine's Confessions*. She gravitated toward autobiographies in which writers wove narratives to make sense of their struggles, and not surprisingly she entered medical school with a keen interest in psychiatry. While a post-bac student and working as a research fellow, she published on Creutzfeldt-Jakob Disease in *JAMA Neurology* and on cannabinoid receptors in the *Journal of Neuroscience*, effectively widening the sophisticated lenses she uses to explore psychopathology. She conducted fieldwork and research in Guiyang and Kunming on cross-cultural differences in the training of psychiatrists, and in medical school she was the Humanities and Professionalism Chair.



Paula Bu, MD

MEDICAL: Sidney Kimmel Medical College at Thomas Jefferson University

UNDERGRADUATE: Harvard College, Comparative Study of Religion

An Intel Science Talent Search Semifinalist, Paula showed an early prowess for basic science. She is equally conversant in theology, politics, public health, and clinical research. She has compared acquired macronutrient data on Pume foragers to existing data on Hadza hunter-gatherers, explored sustainable eating and contemporary American Jewish identity, directed a program for healthy eating among inner city kids in Boston, was Discussions Chair of Harvard's Interfaith Council, and while supported by competitive grants, studied abroad in Israel, India, Denmark, and Sweden. After graduation, Paula worked as a clinical research coordinator in gynecologic radiation oncology at the Brigham and Women's Hospital. In medical school she was selected for the Clinical and Translational Research track. Her most recent work has investigated the effects of curricular interventions on medical students' attitudes toward people with disabilities. She has published in *Brachytherapy*, *Neurology*, *International Journal of Gynecological Cancer*, *Gynecology Oncology*, *American Journal of Physical Medicine & Rehabilitation*, and *Neurocritical Care*, and has presented her work nationally. Paula founded a palliative care program for medical students, served as president of the campus LGBTQ organization, and edited the university's literary magazine.



Xavier Diao, MD

MEDICAL: University of Maryland School of Medicine

UNDERGRADUATE: University of Maryland, Psychology & Biology

Born and raised in China, Xavier grew up in Singapore and moved to the United States for high school. He has been actively involved in clinical and basic science research, teaching, and leadership, and has won numerous academic scholarships. His work has investigated the effects of shared leadership and group processes on team effectiveness, explored the association between expected reward and neuronal activity in the rat substantia nigra, examined the genetic underpinnings of bipolar disorder and schizophrenia, assessed elements of surgical referrals for patients with degenerative mitral valve regurgitation, and was awarded an NIH-funded research internship to study metabolic indices in youth with prodromal psychosis. He has published in the *European Journal of Neuroscience*, and twice in the *Annals of Thoracic Surgery*, and presented at multiple conferences. After graduating college with dual bachelor's degrees in psychology and biology, Xavier was selected to participate in the Combined Accelerated Program in Psychiatry (CAPP), allowing him early and intensive exposure to clinical and academic psychiatry. Xavier is president of the campus LGBTIQ group, and he will graduate in the top of his class academically as well as for qualities of humanism and professionalism (Gold Humanism Honor Society).



Anne Hart, MD

MEDICAL: Icahn School of Medicine at Mount Sinai

UNDERGRADUATE: The Juilliard School, Cello

Growing up in Iowa, Oregon, and California, Anne began playing the cello at age four and was an accomplished performer before transitioning her focus to medicine. As the principal cellist of the Juilliard Orchestra and San Francisco Youth Orchestra, she has performed at numerous venues around the world, including the Aspen Music Festival, Carnegie Hall, Davies Symphony Hall (San Francisco), Smetana Hall (Prague), Berliner Philharmoniker (Berlin), and Gasteig (Munich). She also cultivated her interest in education and community engagement, establishing an educational initiative which offered free musical training and instruments to underprivileged Brazilian youth. Locally she served as a Gluck Service Fellow, performing throughout New York medical facilities, and also worked as a doula at Mount Sinai, providing support to patients undergoing elective or medically necessary pregnancy terminations. In medical school, Anne organized a highly successful elective course exploring the relationship between music and medicine from various perspectives including music therapy, music cognition, and the historical influence of disease on musical compositions. Her most recent projects address provider wellness as well as healthcare bias against patients with psychiatric illnesses, and she recently published a letter in *NEJM*. She has spent time in Ghana building orthopedic back braces for young children with spinal deformities. Anne enjoys biking, hiking, aquatic sports, and fostering animals. She has been elected as a member of the Gold Humanism Honor Society.



Thomas Hopkins, MD

MEDICAL: Medical University of South Carolina College of Medicine

UNDERGRADUATE: Wake Forest University

Tommy graduated from Wake Forest's psychology honors research program receiving one of its most competitive awards for superb academic achievement and extracurricular leadership. Upon matriculation at MUSC, he received the College of Medicine's Dean's Scholarship, one of only two full-tuition merit-based scholarships given each year, and he has fulfilled its promise in the numerous leadership roles he has maintained throughout medical school. He greatly expanded the middle and high school community outreach programs for psychiatry, received national recognition for his work with student neurology groups, and developed mentorship programs for medical students. He has worked in MUSC's Brain Stimulation Lab using a single deep brain stimulator in the Subthalamic Nucleus to successfully treat all comorbidities in a patient with treatment-resistant depression, OCD, and Parkinson's disease as well as conducted a long-term follow-up of patients with treatment-resistant depression who were successfully treated with epidural cortical stimulation, a novel means of stimulating the brain. He also investigated the role of the 5-HT1B receptor in mediating food-oriented behaviors as a novel means of addressing the obesity epidemic, finding a significant effect on food-intake and food-seeking behavior. He has published in *Brain Research*, *Neurocase*, and *Brain Stimulation*. An avid soccer player, Tommy played throughout college, including on the university team while studying abroad in Rome.



Julia Katz, MD

MEDICAL: University of North Carolina at Chapel Hill School of Medicine

UNDERGRADUATE: University of Pennsylvania, Biological Basis of Behavior

Born in Donetsk, Ukraine and raised in Israel, Julia served for 2 years as a medic and clinical sergeant in the Israel Defense Forces, before matriculating into the Honor's program at UPenn. Her collegiate research focused on the role of glutamatergic and serotonergic mechanisms in anxiety and social behaviors, working with Protocadherin-10 Haplo-insufficient mice and BALB/cj, both genetic mouse models of autism spectrum disorders. A leader in Penn Speaks for Autism, Julia helped establish an afterschool volunteering program in collaboration with special education instructors at other institutions, providing a structured and affordable place for children with autism to work on social and academic skills. She continued this work in medical school, co-leading a social skills group for children with ASD. Her research in medical school examined the developmental trajectory of reward processing deficits and social motivation in children and adolescents with autism spectrum disorders. She has published her work in *Behavioural Brain Research*, and she has been inducted into the UNC medical student research society. In her first 2 years of medical school, she volunteered with the Refugee Health Initiative for families relocating to the US under formal refugee status. Julia will graduate at the top of her class, and she is a member of AOA.



Justin Key, MD

MEDICAL: Icahn School of Medicine at Mount Sinai

UNDERGRADUATE: Stanford University, Biology

Justin has held longstanding passions for service, teaching, and writing. In college he was president of multiple community organizations, project coordinator for Stanford NAACP, and the 2009 Black Graduation Undergraduate Speaker. He taught public speaking to undergraduate and graduate students at Stanford, and he is driven to use public outreach to promote wellness and raise awareness about social issues, such as deconstructing race in healthcare and leading a program to expose genocide in Uganda. Before matriculating at Mount Sinai, Justin worked in non-profit consulting for education, health care, and criminal justice, and as a marketing manager, helped make science writing more accessible to consumers. He was simultaneously completing a science-fiction novel. In medical school Justin was a case manager at the Harlem free clinic, community service chair for Students for Equal Opportunity in Medicine, and a research fellow supported by AACAP's Campaign For America's Kids. He worked to test the validity of the newly developed Seaver Autism Sensory Assessment (SASA)—presenting his work at venues across the country. Justin is a professional fiction writer who graduated from the prestigious Clarion West Writing Workshop in Seattle, and he won the Mount Sinai Medical Student Psychosis Writing Prize. He is also a scuba diver.



Leela Mohey, MD

MEDICAL: Michigan State University School of Medicine

UNDERGRADUATE: University of Michigan, Brain, Behavior, and Cognitive Psychology

Leela's clinical and extracurricular motivations center on reducing barriers to care, and she has been committed to community service, and health policy, and teaching. Studying abroad in London, she focused on medical ethics, healthcare reform, cost control, resource allocation, and healthcare efficiency, comparing multiple international models. In medical school, she helped a local refugee family from Burma navigate the system and prepare for an upcoming childbirth, and she developed resources to teach incoming refugees about nutrition and health. She has mentored numerous youngsters across the socioeconomic spectrum, and she created a program for homeless youth, providing food and education about multiple issues including human trafficking, safe sex, and nutrition. She has published twice in *The American Surgeon*, once for her work on Liposarcoma of the Spermatic Cord as an unexpected finding of inguinal hernia repair. Leela has been nominated for election to Alpha Omega Alpha and induction into the Gold Humanism Honor Society.

THE MOUNT SINAI HOSPITAL
PSYCHIATRY RESIDENCY TRAINING PROGRAM
INCOMING RESIDENTS, 2017



Daniel Brice Reynolds, MD

MEDICAL: Medical University of South Carolina College of Medicine

UNDERGRADUATE: Clemson University & Université Catholique de Louvain, Economics

Attending his earliest primary education in an underserved school in Columbia, SC, Brice has been driven toward alleviating disparities in care through service, study, and research. He was one of the first students in Clemson's Transatlantic Exchange in Economics, earning dual degrees from Clemson and Louvain in Belgium, including a stint at Maastricht in the Netherlands. He has received numerous scholarships and accolades, including multiple awards for public speaking and debate. Prior to medical school, he was selected for a prestigious internship with Doctors Without Borders, blending his passion for international work with his drive to reach underserved communities. Soon thereafter, he volunteered in the Latino Perinatal Outreach Program while working full-time as a technician at the North Carolina Women's Hospital. He published health disparities research on diabetes in minority populations. He has also done research on perinatal psychiatry and on how a centering pregnancy program affects rates of breastfeeding. He has provided free weight-loss outpatient therapy for underserved populations, been certified as a Nurse Aide, and as a Presidential Scholar at MUSC, organized a women's health fair. He led mental health outreach and anti-stigma programs for middle and high schools, spearheading expansions to lower-income areas. Over three summers he planned and organized finances for medical service trips to Haiti. In high school Brice co-produced and starred in a full-length play based on the complete works of Shakespeare, performing for a sold-out 200-seat house in a three-night run. In college he hosted a weekly radio show for 2 years, and in medical school he performed improv and sketch comedy at local theatres.



Kelby Skelton, MD

MEDICAL: Pennsylvania State University College of Medicine

UNDERGRADUATE: Pennsylvania State University, Biobehavioral Health

Born outside Erie, PA, Kelby was second in her high school class and a competitive runner. Kelby is altruistic in the broadest sense of the word, believing strongly in the service aspects of medical practice and devoting much of her life to providing educational, emotional, and financial support to others in need. During college she was on the executive board and Director of Community Service of the Penn State Blue & White Society, with more than 10,000 student members across all years. She has worked in fundraising and donor relationships for the largest student run philanthropy in the world, and worked as a nutrition liaison for the Food as Medicine Program in Hershey. She was Chair of Community Service, an elected position, for her first 2 years of medical school, responsible for connecting the College of Medicine to the Hershey community. During her third year, she was one of 4 students selected to be the initial cohort in the new Longitudinal Integrated Clerkship. She performed research on ethnobotanical antioxidants, investigating whether blueberry extract can enhance the efficacy of liposomal ceramide therapy in treating AML by inhibiting escape mechanisms. She has analyzed the secretome of grapevine inoculated with agrobacterium to explore how to improve the resistance of grapevines to crown gall disease, and has analyzed estradiol uptake in mouse hippocampal cells. Between college and medical school, she was the office manager of a golf pro-shop and an Olde World Cheese Representative. She lifts weights and raises chickens (white leghorn, Rhode Island red, New Hampshire red, Americano).



Karen Yan, MD, JD

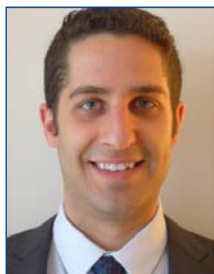
MEDICAL: New York University School of Medicine

LAW SCHOOL: Harvard Law School

UNDERGRADUATE: Harvard University, Economics

Born in Hong Kong, Karen immigrated to the United States for college, where she won several merit-based scholarships and graduated in the top five percent of her class. At Harvard Law School, she served as Editor of the *Harvard Journal of Law and Public Policy* and Primary Editor of *Harvard Women's Law Journal*. Following graduation, she became a member of the bar in three states and for seven years worked as a corporate attorney and business transactions associate in the US and abroad. She was a Manager of the Legal and Compliance Department of Shanghai Commercial Bank Limited in Hong Kong as well as an Associate at Day Pitney LLC, where she helped public companies navigate the Troubled Asset Relief Program following the 2008 financial crisis. With an extensive work experience and acquired global perspective, Karen sought more and matriculated at NYU for medical school, realizing in hindsight that psychology and human connectedness were a common vein through her experiences. She has been President of the NYU chapter of the American Medical Student Association, has researched variance in phototherapy for newborns, studied receptors for advanced glycation end products and foot function, and helped create a curriculum that integrates radiology teaching into internal medicine clerkships in order to better prepare students for residency. Her recent project involves examining the current state of law and ethics of forcible medication in psychiatry. She also studied drawing and painting at Parsons School of Design.

ENTERING PGY-2 RESIDENT



Jason Shimiaie, MD

RESIDENCY: The Mount Sinai Hospital, Internal Medicine

MEDICAL: Sackler University School of Medicine, New York State American Branch

UNDERGRADUATE: Emory University, Neuroscience and Behavioral Biology

After finishing his undergraduate degree in 3 years, Jason stayed on an extra year in Emory's Psychology Department to study spatial learning in the rat hippocampus. Matriculating at Sackler's American Branch in Tel Aviv, his research shifted to cardiology, where he studied the use of a novel combination of echocardiography and cardiopulmonary exercise testing as a more precise and physiologic model for diagnosing heart disease. He has published his work in *Chest*, the *American Journal of Cardiology*, *JACC Cardiovascular Imaging*, *JACC Heart Failure*, *Journal of the American Society of Echocardiography*, and *European Heart Journal Cardiovascular Imaging*. As a highly successful student researcher, he was given responsibility for training and managing other students across several other research projects. Additionally, Jason was president of the Sackler tutoring program, taught and mentored Ethiopian and Arab-Israeli adolescents from low-income families, and provided medical care for communities in the West Bank through Physicians for Human Rights. Two years ago, Jason matched into The Mount Sinai Hospital's Internal Medicine residency, where he is now completing his second year of training. While caring for complex and acutely ill individuals, he discovered a predilection for treating their emotional, cognitive, and behavioral ailments. Bringing a foundational education in neuroscience and broad internal medicine training to the field of psychiatry endows Jason with a unique perspective, which he hopes will develop into a future focus in psycho-oncology. Jason plays piano, guitar, and ukulele, has grown vegetables and spices on his roof in a converted bed, and graduated in the top 5% of his medical school class.

PHYSICIAN-SCIENTIST RESEARCH TRACK



Youngjung Kim “Rachel”, MD, PhD

MEDICAL & PHD: Columbia University College of Physicians & Surgeons
UNDERGRADUATE: Princeton University, Molecular Biology

Rachel Kim was born in Korea, and with her father's diplomatic career, grew up in Ireland, Singapore, Honduras, and Germany. She moved to the US to attend Princeton for her undergraduate degree in Molecular Biology, where her research on *Drosophila* development with Elizabeth Gavis, MD, PhD, culminated in a senior thesis which earned the Crecca '46 Best Senior Thesis Award, Departmental High Honors Distinction, a HHMI Summer Undergraduate Research Fellowship, and a co-first author publication in *Developmental Biology*. During her MD/PhD at Columbia, Rachel worked with Lori Sussel, PhD, using mice models to characterize the participation of beta cells in triggering the autoimmune response in Type 1 Diabetes. Rachel discovered that a protein tyrosine phosphatase, Ptpn2, was upregulated in the beta cells of T1D-prone mice. Then, she generated mice carrying a beta cell deletion of Ptpn2 and demonstrated that the mutant beta cells have increased susceptibility to cell death in an autoimmune environment. She also worked with Domenico Accili, MD to investigate beta cell dysfunction in Type 2 Diabetes and metabolic syndrome in mice, resulting in co-authored papers in *Nature Communications*, *Cell Metabolism*, and the *Journal of Biological Chemistry*. Rachel has been exceptionally successful at bridging clinical and basic research. After graduating medical school, she spent this past year on a clinical research project investigating “Anorexia nervosa as a metabolic syndrome”, with Laurel Mayer, MD, effectively extending her basic science interests in molecular metabolism to the metabolic reprogramming during the treatment of patients with anorexia nervosa. Rachel's academic excellence has been recognized with memberships in the Phi Beta Kappa and Sigma Xi Honor Societies.

RESIDENCY + PHD RESEARCH TRACK



Lauren Lepow, MD

MEDICAL: McGovern Medical School at University of Texas Health Science Center at Houston
UNDERGRADUATE: Columbia University, Neuroscience and Behavior

Lauren Lepow's passion for neuroscience began in high school, when she started a long-lasting collaboration with Paul Schulz, MD, to learn about conducting translational research in neuropsychiatric illness. Her work in Dr. Schulz's lab resulted in her first authorship of a paper in the *Journal of Clinical and Experimental Neuropsychology*. She continued to be involved in several research projects while attending Columbia University for her undergraduate degree in Neuroscience and Behavior, including a self-designed project investigating glucocorticoid effects on the oxytocin receptor expression in rat brains. During medical school, Lauren excelled academically, participated in numerous community outreach and leadership activities, and was inducted as a member of the Gold Humanism Honor Society. She also was recently selected for and completed a highly competitive research elective with Drs. Carlos Zarate and Larry Park in the Experimental Therapeutics and Pathophysiology Branch at the NIMH, where she completed a retrospective data-mining project on the antidepressant effects of ketamine and NMDA-antagonists; her first-author paper was published in *Journal of Psychiatric Research*. Lauren has presented her research at national meetings of the Society of Biological Psychiatry and the American Psychiatric Association.

CLINICAL PSYCHIATRY TRACK



Eva Chernoff, MD, MPH

MD & MPH: University of Pittsburgh School of Medicine
BA: Pennsylvania State University

Raised in a multicultural family in inner city Pittsburgh, Eva graduated with honors from Penn State University with a B.S. in Psychology and Neuroscience. Throughout college and after graduation, she worked for an NIMH-funded study of children with ADHD. At Pitt, Eva fulfilled dual additional Areas of Concentration in both Global Health and Underserved Populations, an exceedingly rare accomplishment requiring multiple clinical and scholarly efforts beyond the standard curriculum. A strong interest in public health led Eva to also obtain an MPH in Behavioral and Community Health while in medical school, completing in one year what is normally a two-year program. Her master's thesis examined structural bias against medical trainees who identify as nonconforming sexual or gender minorities. For 4 years, she served as PI for a project in the Philippines focusing on the capacities of health delivery systems to respond endemic soil-transmitted helminth infection in the aftermath of a natural disaster. In recognition of her tireless commitment to bettering the lives of others, Eva was inducted into the Gold Humanism Honor Society. Eva has been president of the medical student a cappella group PalPITTations and starred in the annual student satirical musical. In her spare time, she performs in the rock band, Herd Immunity.



Celia Foster, MD

MD: Emory University School of Medicine
BA: Swarthmore College

Celia was born in New Zealand and raised in North Dakota. Graduating from Swarthmore with a degree in Sociology and Anthropology, she subsequently applied her studies to helping develop programs for disadvantaged populations, as she consulted for organizations in the nonprofit and philanthropic sectors, advising them on strategic planning, board development, and fundraising. For most of medical school, she served on the Board and Executive Committee of the 501(c)(3) nonprofit, Health Students Taking Action Together, focused on improving the health of Georgians through service programs and through advocacy on Medicaid expansion. More recently, she co-founded a mental health clinic in Atlanta that predominantly serves refugee and immigrant populations, subsequently serving as a representative on Emory's Refugee Subcommittee. She worked throughout college at Swarthmore's List Art Gallery, organized and ran farmers markets in disadvantaged neighborhoods across Philadelphia, and conducted research at Swarthmore on environmental sustainability that was central to Swarthmore's decision to hire its first Sustainability Director. Her work in an immunology lab after college focusing on the role of the innate immune system in autoimmune diseases resulted in a paper in *Nature Immunology*. She will graduate medical school having been inducted into AOA.



William Garrett, MD, MPH

MD: SUNY Downstate Medical Center College of Medicine

MPH: Johns Hopkins Bloomberg School of Public Health

BS: Haverford College

While studying Biology and Neural and Behavioral Sciences at Haverford, William's initial microbiology work examined the expression patterns of genes during embryogenesis in a mosquito vector of malaria in sub-Saharan Africa; his findings were later presented at the Beating Malaria conference in London. Concurrently, he cultivated an interest in understanding the health and service needs of the LGBT community in Philadelphia, and he conducted assessments of older adults within this population. Following graduation from college, William spent two years working at the New York State Department of Health AIDS Institute as Coordinator for the sexually transmitted infections and Hepatitis C subcommittees of the HIV Quality of Care Advisory Committee. Analyzing statewide clinical data, he presented findings at professional conferences and in peer-reviewed journals. He pursued a similar focus in medical school where he conducted HIV and HCV counseling and testing, ultimately serving as Director of Training in HIV and HCV epidemiology and disease backgrounds, testing protocols, and pre- and post-test counseling strategies. He researched and adapted HCV quality of care indicators and piloted select indicators among HCV/HIV co-infected patients to prompt improvements in Hepatitis B vaccination rates and screening for alcohol use. During his MPH, he designed a structured survey on attitudes toward HIV pre-exposure prophylaxis (PrEP) among adolescent and young adults in a primary care clinic. In addition, he worked with Baltimore community-based organizations to determine needs for strengthening mental health services. He was Captain of his high school ice hockey team and Captain of his college varsity tennis team.



Kellie Gergoudis, MD, MSCR

MD & MSCR: Icahn School of Medicine at Mount Sinai

BA: Columbia University

An accomplished Soprano, Kellie was trained in classical, musical theatre, and folk styles in both English and Classical languages. She graduated from Columbia with a degree in Psychology and was admitted to Mount Sinai through the School of Medicine's Humanities and Medicine Program. She was subsequently awarded tuition funding for a Masters in Clinical Research through the Patient Oriented Research Training & Leadership (PORTAL) program. She evaluated whether enrollment in a locally and nationally-funded Children's Integrated Pediatric Psychiatry clinic decreases patients' ER and hospital utilization; she presented her work at the annual AACAP meeting. She also conducted research at the Seaver Autism Center, one of 10 sites participating in the NIH funded (Developmental Synaptopathies Consortium) DSC, with the goal of characterizing the behavioral phenotype of monogenic causes of Autism Spectrum Disorder, such as Phelan McDermid Syndrome (PMS). She was first author on a project which leveraged DSC clinical data to create an adapted form of the Social Responsiveness Scale for use in PMS populations, and validation of the outcome measure developed in this project is now a major aim of the DSC going forward. (Before medical school and for almost a decade, Kellie spent every summer as a Teaching Assistant at the School for Language and Communication Development.) Earlier in medical school, she conducted research in ophthalmic plastic and reconstructive surgery on a 5-year prospective randomized control trial which has now been published in *Acta Ophthalmologica*. She has been the Co-Producer/Co-Director of the Vagina Monologues, the Young Physician Ambassador of the Hellenic Medical Society of New York, an Executive Board Member of the Mount Sinai Med-Start Enrichment Camp designed to inspire middle school students from East Harlem to pursue careers in science and medicine, and a Board Member and Editor of the Journal of Narrative Visions. She won the Picmonster Award for the most creative entry to the Picmonic medical picture mnemonic competition.



Robert Henseler, MD

MD: Rutgers New Jersey Medical School
BA: New York University

Initially pursuing architecture in college, Robert quickly found his greater sense of purpose elsewhere, graduating from New York University with an honors degree in Political Science. He then spent several years as a consultant for companies engaged in healthcare culture shaping, executive search, and leadership consulting.

Soon driven to make changes from the inside, he began medical school at Rutgers in his home state of New Jersey. From early on he brought his leadership drive and enthusiasm for structural change to medical school. He was elected to be the student representative on medical school committees for both the Pre-Clinical Curriculum and the Clinical Clerkship Curriculum, charged with evaluating and advancing undergraduate medical education. He was also captain of the medical school hockey team (Medwings), where he oversaw raising \$70,000 for local charities. Prior to finding his passion in psychiatry, he was drawn to ophthalmology where he published on light-near dissociation and on idiopathic intracranial hypertension, as well as in the *Journal of Academic Ophthalmology*. Robert has worked throughout high school as a house painter, sales associate, restaurant server and manager, lifeguard, and medical assistant, and he taught grades 1-3 in Kenya. Robert has been nominated for AOA and has been inducted into the Gold Humanism Honor Society.



Ethan Hochheiser, MD

MD: Albert Einstein College of Medicine
BA: Tufts University

Imagining a career in a field related to politics, Ethan studied International Relations at Tufts. He was an active co-leader of a campus organization that successfully supported a presidential candidate through campaigning and trips to battleground states, and he worked at an organization connecting underprivileged individuals with government benefits. After college and as he pursued an ongoing

drive to mitigate disparities in healthcare delivery and other services, he began employment as a healthcare analyst at Booz Allen Hamilton, where he established an integrated statistical database on antimicrobial resistance with the FDA and the CDC. He led a quality assurance team and worked to further advance the objectives for the "Leaders Engaged on Alzheimer's Disease" project. Desiring more ongoing involvement and personal contact with those afflicted, he worked as a medical scribe and then a physical therapy aide where he helped establish new satellite sites, before matriculating at Einstein. In medical school he has continued his community focus. In his position as an outreach officer on the board of the Einstein Community Health Outreach clinic, he was instrumental in securing an in-house "civil surgeon" designation for the clinic, facilitating the necessary steps that would allow green card holders to use these medical exams as approved aspects of the legal residency process. Ethan was also president of an organization that performed testing and promoted education on HIV, and he was selected by his classmates as a Peer Mentor. He has lived, studied, or worked in England, Costa Rica, Spain, Peru, and Chile.



Chelsea King, MD

MD: McGovern Medical School at the University of Texas Health Science Center at Houston

BS: University of Texas at San Antonio

The first in her family to graduate college, Chelsea studied Biology *cum laude* several years before beginning medical school at UT Houston, from where she will graduate having been inducted into both AOA and the Gold Humanism Honor Society in recognition of her top-of-the-class academic success and her excellence

in clinical care, leadership, compassion, and dedication to service. Prior to medical school, she worked as a scribe trainer in an emergency department overseeing trainees' 70-hour training periods. She was later employed as an eyebank technician at the Nevada Donor Network, where she completed corneal donation processing for one of the top donor networks in the nation. In the year just before medical school, she worked as an ophthalmic technician. During her second year of medical school, she was awarded a merit-based the Albert Schweitzer Fellowship, during which she completed a 200-hour community service project where she developed and implemented a curriculum at a low-income housing community. In the context of a community long struggling with issues of trust, addiction, and interpersonal conflict and with limited resources and funding to address needs beyond room and board, Chelsea successfully created and deployed a curriculum of 14 weekly seminars focused on teaching mental health improvement and coping strategies. She has been selected as a peer mentor who helps integrate junior students, and she has presented her work in Sri Lanka at the Traditional Medicine International Conference.



Mary Nwosuocha, MD

MD: Icahn School of Medicine at Mount Sinai

BA: Northwestern University

A first-generation American and an accomplished clarinet player in her Texas high school band, Mary has been highly successful across multiple arenas. After studying Comparative Literature at Northwestern and worked in fashion before completing a post-bac at Columbia and entering medical school. Mary has been an avid powerlifter since before medical school and has won first place in her weight class

in each of four meets since the start of medical school. Her story of finding her place in powerlifting has been featured in BuzzFeed. She is also on the advisory board of the Women' Strength Coalition, a nonprofit organization that unites gyms that want to increase access to strength training for underserved communities. Mentored by Dennis Charney, Mary is also the co-president of Sinai Strong, where she teaches powerlifting and advises administrators on gym layout and equipment. During her scholarly year, she worked with the Admissions Department and the Center for Multicultural and Community Affairs on her project about how the social media behavior of accepted FlexMed students should or shouldn't impact Admission to Medical School and presented her work at an AAMC conference. Mary has been successfully advocated as Vice President of the Mount Sinai chapter of the SNMA and organizer of LGBTQ People in Medicine. She co-organized a Sexual Health Nexus course and is a teaching assistant in the medical school's largest and longest course, "Art and Science of Medicine." She is also a student representative on the Promotions Committee, reviewing cases of medical students not meeting standards of academic performance and/or professional behavior. During her work as a sales associate at Nordstrom, she achieved Top Tier status within the multimillion-dollar revenue division. Mary has been inducted into the Gold Humanism Honor Society.



Adrienne "Isobel" Rosenthal, MD, MBA

MD: Icahn School of Medicine at Mount Sinai

MBA: Columbia University

BA: Yale University

Isobel graduated Yale with a degree in History, and her honors thesis was awarded the best paper in American History. Long interested in working with communities, while in college she ran Yale Reach Out, an organization that every year sent 100+ undergraduate students abroad to work with local organizations/NGOs in countries such as Rwanda, Jordan, and Kazakhstan. She has also interned at Doctors Without Borders. At Mount Sinai she secured funding to study the effectiveness of alcohol self-help groups in Saint Vincent and the Grenadines, leading a team on the ground and coordinating in-country approval for her work. She published two scholarly articles as first author, one of which resulted from this work in global mental health. She has led the Mount Sinai Students for Integrative Medicine and Medical Students for Choice, as well as working as a Teaching Senior in the American Psychiatric Association's Helping Hands Grant at Mount Sinai's East Harlem Health Outreach Project's mental health clinic. In 2016 she was on the winning team of Icahn School of Medicine Shark Tank: Clinical Process Improvement Competition. Completing an MBA at Columbia Business School between her 3rd and 4th years of medical school, Isobel was selected for several healthcare-related leadership positions including Vice President of Entrepreneurship for the business school's Healthcare Industry Association, the business school's representative to and board member of the Health Tech Assembly at Columbia University, and the intern to the CEO of UCLA Hospital System. She was also selected as a Flare Capital Scholar to work among a group of leading industry professionals to research behavioral health technology trends and companies, resulting in two forthcoming publications.



Stephen Smilowitz, MD

MD: Case Western Reserve University School of Medicine

BA: University of Pennsylvania

Inspired by his grandparents' fleeing Cuba for America, Stephen developed an early interest in sociology, others' lived experiences, and the intersection of health and societies. His senior undergraduate thesis leveraged GPS to develop maps exploring the importance of spatial relationships to questions related to health, nutrition, and safety in community members' perceptions of their built environment and fear of crime. He was a Collegiate Leader in Environmental Health at the CDC as well as a house mentor to a group of special needs young adults at The College of New Jersey. Early in medical school, he was chosen to be a member of the CWRU Urban Health Pathway, and he founded the Urban Health Interest Group. With lifelong interests in geriatric medicine, he led the student geriatrics group, evaluated age-based differences in medication non-adherence among patients with bipolar disorder, and developed and expanded a longitudinal experiential curriculum, in which teams of students from medicine, nursing, and physician assistant programs visit older adults in their homes. As the President of the Artful Scholar, he was instrumental in bringing art in medical education as well as facilitating students' participating in Cleveland's Human Rights Campaign. Stephen also has further interests in addiction, consult liaison, intellectual disability, LGBT/HIV, and reproductive psychiatry. Stephen is a talented singer and is fluent in Spanish.



Bertrand Vulcain, MD

MD: Howard University College of Medicine
BS: University of Miami

Born in Montreal, raised in Miami, and having worked in healthcare in Haiti, Nicaragua, and the Dominican Republic, Bert has managed to integrate a cosmopolitan mindset with a down-to-earth approach to service. Before he started medical school, he worked as a head counselor at a children's camp for 4 years, researched the role of NMDA antagonists in conditioned place preference in mice focusing on acquisition, extinction, and reinstatement of cocaine-associated memory, and was employed as a patient financial services specialist for a community health program in South Florida. In medical school at Howard, Bert studied the effectiveness of suvorexant on insomnia and associated PTSD symptoms, while remaining actively involved in community activities for disadvantaged children. For all four years of medical school, Bert served on the Executive Board of his class, leveraging his videography and directorial skills to create "Behind the White Coat", a series of interviews of classmates detailing their lives outside of medical school and the struggles they encountered on their journeys to becoming physicians. His work has been shown to the student body, celebrating the graduating seniors as they match into residency. He is fluent in French and French Creole.



Anne Yeung, MD

MD: Georgetown University School of Medicine
BA: Duke University

Raised in New York City, Anne graduated Duke with a degree in Public Policy and worked in Beijing examining morbidity, health-seeking behaviors, access to health care, and social determinants of health of rural-to-urban migrant children. Dedicated to serving the underserved, she partnered with Duke University, to create an executive fellowship position at the Community Empowerment Fund, where she helped manage 200+ volunteers in the area of homeless services. While at Georgetown she continued her public health focus, as she was one of very few students selected for both the Healthcare Leadership Track and the Longitudinal Integrated Clerkship, allowing her to focus on healthcare innovation, quality improvement, patient safety, leadership development, and person-centered care. Anne has been a leader and innovator who generates positive change in her community, as evidenced by her founding two impactful programs: Hoya SIMS, which facilitates peer teaching of clinical skills, and Wellness Programs, which coordinates volunteer-driven arts and fitness programming for Georgetown's adult inpatient psychiatry unit. She also designed and facilitated education and community-building workshops on identity politics, gender, sexuality, disability, and allyship, and she was an advisor to the Senior Associate Dean for Diversity & Inclusion to integrate diversity/inclusion into the medical school curriculum. She has been inducted into the Gold Humanism Honor Society, and she was one of only six students nominated for the *Cura Personalis* Award for exemplifying "care of the whole person."



Margaret Zhang, MD

MD: Ohio State University College of Medicine
BS: Yale University

At Yale, while studying and publishing on insulin signaling in the development of endometrial cancer and hyperplasia, Margaret worked as a College Coordinator at Yale's Office of Sustainability, designing waste management solutions and creating opportunities to compost. At the same time, she worked as an intern at Proctor and Gamble's Iams brand, assessing national Mad Cow Disease status and its impact on the brand's ability to enter into international emerging markets and conducting landscape analyses on meat sourcing by competing dog food brands. Following graduation, she worked for the Gillette brand, creating razor claims by researching men's subjective relationships with razors, while helping develop a new business model to face emerging competitive online threats. Concurrently, she worked in a shelter clinic run by Boston Health Care for the Homeless. She matriculated at Ohio State, obtained a four-year Merit Scholarship, and was elected Vice President of her class throughout all four years of medical school. She has continued her work with underserved patient populations, including with chronically ill prisoners and individuals of diverse backgrounds, and worked as a community health educator and a health coach. She has researched the bioinformatics of breast cancer, investigated the ability of trained neurologists to correctly diagnose ear pathology on 2D imaging via telemedicine, and most recently investigated the effect of earplug use on rates of ICU delirium. She has performed as an ear acupuncturist throughout her time in medical school. Margaret has been inducted into the Gold Humanism Honor Society.



Timothy Becker, MD (PGY-2)

MD: Perelman School of Medicine at the University of Pennsylvania
BS: Cornell University

Internship in Psychiatry: Beth Israel Deaconess Medical Center, Harvard Medical School

Graduating from Cornell with a degree in Urban & Regional Studies, Tim received the department's Academic Achievement Award. Following graduation, he worked as a premedical biology and chemistry teaching assistant at Weill Cornell Medicine—Qatar and was awarded the Excellence in Teaching Award. The following year, he returned to Philadelphia and worked full-time as a Youth Advisor/Case Manager at Covenant House Pennsylvania, an emergency shelter that serves 18-22 year-old homeless and marginalized youth, including former foster youth, LGBT+ youth, immigrants, trafficked youth, and youth with mental illness and disabilities. While there, he designed an electronic system to manage client data and daily reports that was implemented throughout the shelter. In medical school at UPenn, Tim continued as a class coordinator for student involvement at Covenant House. After his first year, he helped design and implement a head trauma database in Botswana in efforts to better understand the country's developing emergency medicine system, and during his senior year traveled to Botswana to investigate culture-specific aspects of stigma related to HIV and mental illness. He has helped study a resident clinic intervention using community health workers to enhance education in social determinants of health. He also analyzed an observational study of parent, child, and physician interpersonal dynamics, to understand how communication behaviors, including parent and physician interference, social-emotional statements, and partnership building statements, are associated with child participation, understanding, and satisfaction. During his second year of medical school, he ran the Philadelphia Marathon.

PHYSICIAN-SCIENTIST RESEARCH TRACK



Andrew McKenzie, MD, PhD

MD/PhD: Icahn School of Medicine at Mount Sinai
BA: Vassar College

Andrew was raised in Marin County, CA and attended San Francisco University High School, where he was co-captain of the basketball team. He subsequently attended Vassar College, where he majored in Neuroscience & Behavior, minored in Mathematics, and performed research on choice behavior in pigeons under variable reinforcement schedules. After his undergraduate work, he was awarded a position as a post-baccalaureate intramural research trainee at the NIH, where he studied gene expression in bacteria. In the Medical Scientist Training Program at the Icahn School of Medicine at Mount Sinai, he extended his work on gene expression to the study of oligodendrocytes and myelination in Alzheimer disease. Co-mentored by Drs. Patrizia Cassacia and Bin Zhang, he was supported in his PhD studies by an NRSA pre-doctoral fellowship from the National Institute of Aging. Andrew's PhD work uncovered dysregulation in a network of genes associated with oligodendrocytes in Alzheimer disease, several of which are genetic risk factors for the disease. A true innovator Andrew created open-source software packages to analyze gene expression data in a novel way, which have been downloaded thousands of times. Andrew is incredibly productive and has published 13 publications, including five first-author publications in prestigious journals such as *Molecular Neurodegeneration* and *Scientific Reports*, as well as co-authored publications in *Nature Neuroscience*, *Human Molecular Genetics*, and *Genome Medicine*. Andrew's goal going forward at Mount Sinai is to leverage his background in genetics and gene expression to study the pathophysiology of mental illness. In addition to pursuing his passion for patient care, he is interested in performing translational research to pave the way for new therapies that will improve the lives of people suffering from mental illness.



Simone Tomasi, MD, PhD

MD/PHD: Università degli Studi di Torino
Postdoctoral Fellowship: Yale University School of Medicine

Simone was born and raised in Torino, Italy and was the first in his family to go to college where he earned a degree in Medicine *summa cum laude*. His work focused on the study of cellular responses evoked in the brain by distinct noxious stimuli was awarded "Best Medical Thesis in Neuroscience" by his university. During his PhD training, Simone worked in collaboration with several research groups from both Europe and the US studying the mechanisms of neuronal death and possible strategies to achieve neuroprotection. To gain expertise in cutting-edge techniques used in studying the molecular basis of psychiatric disorders, such as the generation of human induced pluripotent stem cells (hiPSC), he joined Yale as a postdoctoral fellow. As the recipient of a prestigious NARSAD/Brain and Behavior research Foundation Young Investigator Award, he investigated the genetic and epigenetic underpinnings of brain development, with a particular focus on the regulation of surface area, gyrification and the role of fibroblast growth factor 2. As a member of the Brain Somatic Mosaicism Network, he explored the role of single nucleotide variants (SNVs) in the onset of Tourette's syndrome. Simone is a highly productive researcher, having already authored 16 publications, 5 of them as first author including in *Cerebral Cortex* and the *Journal of Neuroscience*. Simone's ultimate translational research goal is to personalize medical treatments based on the genetic background of an individual.

RESIDENCY + PHD RESEARCH TRACK



Hillary Duenas, MD/MPH

MD & MPH: University of Alabama School of Medicine

BA: Columbia University

Named after Sir Edmond Hillary, Hillary has a passion for exploration. Beginning college at Yale through the Yale-New Haven Partnership Scholarship and the Promesa Youth Scholarship awarded to an outstanding member of the Latino community in Connecticut, Hillary later studied mathematics at Columbia, played a key role in fundraising and development for a successful online healthcare startup, priced exotic options in trading at JP Morgan Chase Investment Bank, and had a career as a technology consultant at Accenture, before matriculating at the MD/MPH program at University of Alabama Birmingham, earning a Dean's Medical Student Scholarship. In her MPH training, she conducted field work in Cameroon to help implement electronic health systems in remote regional hospitals. Additionally, through a partnership with the Cameroon Baptist Commission Women's Health Program and the Oracle Corporation, she helped to develop a novel diagnostic technology to diagnose cervical cancer in resource-limited settings through the application of Artificial Intelligence and Convolutional Neural Networks. In residency and in her PhD training, Hillary plans on pairing technology in computational phenotyping with theoretical models of human behavior and perception, with a goal to integrate these tools with genetics and deep brain stimulation to generate data-driven novel models and treatments for psychiatric disorders. Additionally, with her background in high-level consulting, mathematics, financial project management, and software implementation across diverse environments from New York City to Cameroon, Hillary's hopes to impact and improve care at the health system level and influence global health interventions.

CLINICAL PSYCHIATRY TRACK



Derrick Acheampong, MD

PRIOR RESIDENCY: Cardiothoracic Surgery, Mount Sinai

MD: Icahn School of Medicine at Mount Sinai

BA: University of Rochester

Derrick was born and raised in Ghana, moving to the US after high school. As a successful cardiothoracic surgery resident at Mount Sinai, Derrick was mentored by Mount Sinai's DIO and Director of Graduate Medical Education. He has published in *Aorta*, *Journal of the American College of Surgeons*, *Journal of Surgical Education*, *Shoulder & Elbow*, *Annals of Medicine and Surgery*, among others, and presented his work at numerous national conferences. He has also harbored a longstanding penchant for psychiatry, so when an unfortunately permanent wrist injury suddenly impeded his surgery career, he not surprisingly found a new second home in our department. He had previously studied psychology in college, 1) exploring the emotional and psychological effects associated with prejudice and stigmatization, 2) investigating the interplay between family relationships and children's social/emotional development, and 3) utilized an ethological/behavioral systems approach to quantify relational dynamics within peer relationships. After graduation, he worked for two years as a therapeutic mentor/behavioral health counselor for inner-city Boston children who had psychiatric disorders. As a student at Mount Sinai, Derrick served as Head of the NY chapter and volunteers of African Research Academies for Women (ARA-W), a nonprofit organization to encourage and inspire STEM education among African women. His relentless dedication to community service and improving the lives of others was rewarded with the President's Volunteer Service Award, awarded by Barack Obama in 2016. Derrick has chaired local divisions within SNMA, mentored numerous low-income students throughout his career, helped connect local communities to medical care, and represented his peers to the school administration.



Ariel Brown, MD

MD: Sidney Kimmel Medical College at Thomas Jefferson University

BS: Tufts University

From a young age, Ariel has been interested in pursuing psychiatry and working with vulnerable populations. Graduating college with a degree in psychology, throughout her education, she has counseled peers, trained students how to be effective listeners, and pursued research on PTSD and addiction. In college, she led the organization Kids to College, creating curricula to increase the number of local first-generation college students. She also worked to broaden scientific literacy and facilitate discussion of controversial topics. In medical school she devoted her time to serving vulnerable populations through her induction into the Urban Underserved Program. She attended the four-year weekly Population Health College within a College program at Jefferson. After her first year of medical school, she began research studying barriers and facilitators to integration of community health workers into safety-net health systems for diabetes prevention, which she continued throughout medical school and ultimately published. Ariel has also conducted research at the Interdisciplinary Stem Cell Institute in Miami, where she published on the regenerative capacity of cardiac progenitor cells under hypoxic conditions. Perpetually active in her pursuit to alleviate suffering of the most vulnerable, Ariel plans to focus her efforts on Addiction Psychiatry.



Natalie Campen, MD

MD: Keck School of Medicine of the University of Southern California
BA: Swarthmore College

From California, Natalie attended college at Swarthmore, where she worked as a Resident Advisor, tutor, and Teaching Assistant. She founded the Swarthmore Hapa Club, offering an outlet for underrepresented groups to discuss issues regarding multiracialism. Concentrating in biology, her work quantified the environmentally isolated soil bacteria degradation of fungicide to determine its potential in bioremediation. After college, she worked in research at Stanford, where she helped develop a method to characterize the

human blood microbiome and transcriptome in the presence and absence of infectious fever. Matriculating at Keck for medical school, Natalie evaluated a novel machine-learning software to localize areas of infarcts in the brains of children with sickle-cell anemia, while also returning to her lifelong pursuit of the more humanistic sides of experience, especially those focused on mental well-being, both with peers and patients. She led the Integrative Health Group, organizing wellness events for the student body. She also completed a 200-hour yoga teacher training course at the White Lotus Foundation, and applied her skills as a Wellness Liaison in medical school. A talented singer, Natalie led Keck's Chorda Tympani a cappella Group. In college, she rejuvenated and led the Swarthmore Equestrian Association.



Brielle Cardieri, MD

MD: Icahn School of Medicine at Mount Sinai
BA: Brooklyn College, City University of New York

Brielle was captain of her Brooklyn high school varsity softball and basketball teams and was an elected official in student government. In college, she presented her study, Health Disparities in Hypertensive Outcomes, at the National Conference for Undergraduate Research, and was President of Global Medical Brigades, raising nearly \$50K and setting up medical clinics in underserved communities. Her drive to better the lives of others continued through medical school, where she led the Human Rights

and Social Justice Fellowship, which is a year-long service-learning program for students. Her research and advocacy project focused on segregation of healthcare at Mount Sinai by insurance status and driven by financial pressures. She was co-leader of Sinai Students for Civic Engagement, focused on engaging students with the political process and teaching them how to become effective advocates and agents of change, including lobbying at both the State and Federal levels. She has helped develop curricula to teach medical students about LGBTQ+ healthcare, and she was named a Mahoney Fellow in Health Policy by the New York Academy of Medicine. As Chair of the East Harlem Health Outreach Program, she helped spearhead a major expansion of the mental health clinic and created the Advocacy/Community Engagement team overseeing the integration of medical care and legal resources for uninsured patients. Also an amateur photographer, Brielle's work has been featured in National Geographic.



Megan Crow, MD

MD: University of Minnesota Medical School

BA: Gustavus Adolphus College

In college, as a Howard Hughes Fellow, Megan studied the photodegradation of pesticides in water and on commercial crops, presenting her work at the American Chemical Society. After college, she worked as a community organizer for Health Care for All, a non-profit advocacy organization in Boston, implementing campaigns, organizing lobbies at the State House, maintaining the volunteer base, and organizing outreach events. Her activism continued in medical school, where she was named a Dr. Pete Dehnel Public Health Advocacy Fellow, focusing on advocacy and public health in psychiatry. Recognized as a leader, Megan was elected to the University of Minnesota Student Council, representing her peers on the school's Education Steering Committee. She has been inducted into the Gold Humanism Honor Society, and was elected President, overseeing education, mental health, and community service. She has also been Chair of Operations at the student-run free clinic, providing care to uninsured patients. She has worked advocating for the inclusion of psychiatric advance directives into advance care planning in Minnesota.



Sharely Fred Torres, MD

MD: Icahn School of Medicine at Mount Sinai

BA: Harvard University

In college, Sharely's research focused on the enjoyment of shared experiences. She served as the Outreach Chair of Student Mental Health Liaisons (SMHL) and collaborated with other student groups to organize mental health discussions on campus and achieve greater access to mental health care. As a medical student at Mount Sinai, she received several awards including a prestigious scholarship for one underrepresented female student in a NYC Health Professional School, a five-year Leaders Merit Scholarship, and she was one of six students initially accepted into the Primary Care Scholars Program. During her Scholarly Research Year, she worked at the World Trade Center Mental Health Program, looking into online psychotherapy and biomarkers of trauma and resilience. She presented this work at the Society of Biological Psychiatry (SOBP) annual meeting and published on the neurobiology of resilience in Biological Psychiatry. She also received the New York County Psychiatric Society Medical Student Research Grant to design a study assessing the relationship of childhood trauma to social functioning in adulthood, which she carried out with Mount Sinai's Mood and Personality Disorders group and presented at the APA and SOBP annual meetings. She currently has several papers in submission. Additionally, Sharely collaborated on a project investigating medical students' attitudes on non-suicidal self-injury after implementation of a didactic in the psychiatry clerkship which received the Association of Directors of Medical Student Education in Psychiatry's Distinguished Trainee Innovations Scholarship Poster Award. As a member of the medical school's Admissions Dean's Committee, Sharely worked to ensure the diversity of incoming students, and has been recognized by Mount Sinai's Center for Multicultural & Community Affairs for her work to increase academic support for students who are underrepresented in medicine and/or disadvantaged.



Yesul Tina Kim, MD

MD: McGovern Medical School at the University of Texas Health Science Center at Houston
BS: University of Texas at Dallas

For much of her advanced academic career, Tina imagined going on to become an orthopaedic surgeon. In college, while working part-time for three years as a pharmacy technician, she investigated how adding epoxy into graphene and graphene oxide at different concentrations affected depth and recovery of scratch tests, friction, and measures of strength and stress. Her orthopaedic pursuits continued into medical school, where she researched soft tissue management in open tibial shaft fractures, open fracture classification of orthopaedic trauma, and outcomes of orthopaedic surgery consults on isolated simple transverse process fractures. Additionally, Tina was been highly active in her community, directing or on the board for multiple Texas and Houston-based initiatives to advocate for policy change, improve public health, and provide care to the disadvantaged and uninsured. As President of Women in Surgery, she sought to advance gender equity in the field. Coming later to psychiatry, she dove into multiple projects, evaluating white matter lesions in Gulf War Illness, characterizing corpus callosal lesion morphology and its association with chemical exposures, writing a case series on the co-incidence of bipolar disorder and gender dysphoria in adolescents and considering the effect of hormone therapy on the treatment of depression in this population, and concluding a review of biomarkers, treatment, and mortality of depression in pregnancy. Tina was a mezzo-soprano in the Skeletones acapella group and founded the first charity talent show at McGovern Medical School, reuniting the campus after hurricane Harvey.



Rose Kleiman-Weiner, MD

MD: George Washington University College of Medicine
BA: University of Pennsylvania

Rose has long been interested in the intersection of policy and medicine. At UPenn, she was the Lead EMT and member of the executive board of the medical emergency response team. From this, while working at Mount Sinai during college, she researched financial incentives in ambulance care and developed a proposal for a Center for Medicare/Medicaid Innovation Award on EMS transport to destinations other than to the Emergency Department. After college she was employed at The Commonwealth Fund, national healthcare policy foundation, where she developed programmatic strategies to improve health care quality and cost, organizing Congressional briefings and national webinars to advance the team's national policy agenda. Her work focused on the impact that social, political, and cultural factors have on health outcomes, seeking ways to integrate behavioral economics into healthcare, creating a strategy for healthcare population segmentation that was presented to the National Academy of Medicine, analyzing the effectiveness of a medical home model, and participating on a panel at a national conference. In medical school, she participated in the Community-Urban Health Scholarly Concentration, exploring health equity, social determinants of health, food security, housing, community violence, and advocacy. Rose was selected by the Dean to lead Clinical Public Health Summits, brainstorming and developing innovative policy proposals that were presented to experts in the field, including the former White House AIDS czar. She has investigated state laws regarding nurse practitioner prescribing and the effects on Medicare billing patterns, the effectiveness of group therapy for adolescents with social anxiety, and experiential learning and reflection as a means to engage medical students in interprofessional collaborative practice. She was President of GW's chapter of the American Medical Women's Association.



Gregory Morgan, MD, MS

MD: Jacobs School of Medicine and Biomedical Sciences at the University at Buffalo

MS: Tufts University

BS: University of Toronto

Studying pathobiology in college, Greg researched the function of type VIII collagen on the progression of atherosclerosis. After graduation, he worked full-time as a data entry clerk before enrolling in a Masters program in biology from which he graduated with the highest GPA. He conducted research with the Pain and Imaging Neuroscience

Group and the Department of Anesthesiology at Harvard, analyzing gray matter volume changes in pediatric migraine patients. Simultaneously, he worked as an anesthesia intern at Boston Children's Hospital. As a beginning student, Greg founded the Peer Support Group, providing space for a focus on mental health maintenance among medical students. He also trained as a Mercy Doula, providing companionship and comfort to patients at the end of their lives. As a 2nd year medical student, he helped establish a health clinic in a small town in Haiti, providing the sole source of healthcare for the area. The medical school has continued to send students to provide continued care. He has also worked at clinics in rural Jamaica and Ghana. As President of the Human Rights Initiative, affiliated with Physicians for Human Rights, he conducted forensic evaluations of asylum seekers and conducted and oversaw research illustrating the type and frequency of medical and psychiatric sequelae experienced by the clients, resulting in a presentation at the World Congress of Psychiatry in Lisbon. He has also investigated LGBTQ asylum seekers, presenting his work at the New York State Association for Rural Health. A tutor and a teaching assistant for multiple courses, Greg has been inducted into AOA.



Lauren Nagy, MD

MD: Rutgers, Robert Wood Johnson Medical School

BA: University of Pennsylvania

Studying the Biological Basis of Behavior at UPenn, Lauren published first and second author papers in *Translational Psychiatry*, *Pharmacology & Pharmacy*, and *Drug and Alcohol Dependence*. She conducted an independent research project on the developmental effects of chronic ketamine abuse and while working with a German doctoral student through an exchange program, designed and organized an fMRI study examining how the brain processes music. After college, she was employed at the

Advisory Board Company, a consulting firm that works with hospitals, physician groups, CEOs, and COOs navigate changes in healthcare. Her work focused on nursing management, fundraising, data collection, and technology development. At Rutgers for medical school, she has been helping develop and validate the use of the Communication Perception Estimate Scale (CoPES), a low-cost screening tool to identify communication disorders in children and teens presenting for psychiatric complaints. She has also created and delivered workshops to teach students working in the free clinic about mental health topics. She is Chair of the Robert Wood Johnson Voter Registration Drive, which she founded four years ago. President of the Ultrasounds a cappella Group, Lauren is also an actor and vocalist, with over 10 years of classical vocal training and performance in operas, musicals, and plays. She was President of the Penn Singers Light Opera Company in college, producing major productions, serving as Chair of the Executive Board, and implementing a new leadership system with community service initiatives.



Storm Portner, MD

MD: Sidney Kimmel Medical College at Thomas Jefferson University
BA: Princeton University

Studying Anthropology and Global Health & Health Policy in college, Storm conducted ethnographic research on an international WHO program to treat tuberculosis through community outreach. Following graduation, he received fellowship funding to launch and operate a Maternal and Birth Center at a clinic in rural Sierra Leone. Due to the Ebola epidemic, he pivoted into a U.S.-based role as Operations Director working with Partners in Health to scale the response in West Africa. He managed fundraising and grant writing, tripling the operating budget in six months and raising over \$1,000,000 for the organization's Ebola response. He then transitioned into a managerial role in Sierra Leone, leading a team of 350 Community Health Workers responding to Ebola, HIV and TB in their communities. At Jefferson, Storm participated in the Translational Research College within the College, continuing his overseas work investigating the effect of accompaniment by a community health worker on the CD4 count and rate of retention-in-care for HIV-infected patients in Sierra Leone, while also analyzing risk factors for hepatitis C amongst Philadelphia's homeless population. In medical school he was selected to be the director of a weekly outreach nonprofit clinic providing harm reduction services, where he facilitated the transition to a more dignified and accessible location, expanded clinical capacity, and drove initiatives to address mental health needs. He simultaneously served as research director, collecting and analyzing data to describe the patient population and local impact, and developing a database to measure services delivered to 5,000 patients per year. He has been inducted into the Gold Humanism Honor Society.



Anik Saha, MD

MD: Perelman School of Medicine at the University of Pennsylvania
BA: Cornell University

As Cornell Bhangra's President and Captain, Anik led his team to audition at Madison Square Garden for NBC's America's Got Talent, which culminated in an award-winning performance in the quarterfinals at Radio City Music Hall, with over 12 million viewers. Following college, he was employed as a Senior Associate for Product Innovation at athenahealth, where his passion for addressing health care delivery became a driving force of his professional life. As a medical student, he was a delegate to the Committee on Health IT for the AMA Medical Student Section and drafted AMA policy on electronic medical records, medical data standards, and telemedicine. He worked as a teaching assistant for Wharton's MBA course on medical devices, and he was Vice President of Innovation for Penn HealthX, helping to lead a conference on "Paradigm Shifts" with 200 attendees from health care, venture capital, and consulting. He founded and led an innovation team comprised of former engineers, chemists, and software developers who were first year medical students to address wearable devices and smartphone applications. As an intern at the Penn Medicine Center for Health Care Innovation, he conducted research with the Mental Health Engagement, Navigation, and Delivery team, supporting the development a novel machine-learning algorithm that autonomously reviewed inpatient notes to predict which patients would benefit from psychiatric consultation. He has published in *Plasmid*, *Gastroenterology*, *Annals of the American Thoracic Society*, and *The Joint Commission Journal on Quality and Patient Safety*. He has been a co-chair of Penn's South Asian Medical Student Association, a delegate to Meeting of Students Addressing Intercultural Concerns (MoSAIC), and a member of the Diversity & Inclusion Student Advisory Committee.



Vlad Velicu, MD, MS

MD/MS: Columbia University Vagelos College of Physicians and Surgeons
BA: Macaulay Honors College at Hunter College

Vlad grew up in Romania and moved to the United States when he was a senior in high school. He was awarded a full-tuition scholarship to college, graduating with dual degrees in English Literature, Language, and Criticism as well as in Biochemistry. He served as Fiction, Nonfiction, and Poetry Editor of The Olivetree Review at Hunter College, while working in biomedical research throughout college at multiple medical centers. At Mount Sinai he worked to develop an analog of the effects of spaceflight on neurologic sensorimotor function to be used in the pre-flight training process of astronauts to allow for a quicker re-accommodation to the effects of gravity. In the endocrinology lab at Albert Einstein College of Medicine, he conducted clinical research in the multi-center Glycemia Reduction Approaches in Diabetes: A Comparative Effectiveness (GRADE) Study, to determine which glucose-lowering medication works best in combination with metformin. While at Columbia for medical school, he worked in genetics with Wendy Chung studying the value of whole-genome and whole-exome sequencing in newborns. Initially considering internal medicine given his broad set of medical experiences, he was soon drawn to psychiatry as the synthesis of his prior studies as applied to medical care. Receiving a Dean's Research Fellowship to support a year of neuroscience research and Masters degree, he focused on glutamatergic markers in dopamine neurons and how this expression is affected by amphetamine exposure. Fresh from this experience, and most recently, he has led a weekly poetry reading and analysis group for psychiatric patients at New York State Psychiatric Institute.



Jasper Werby, MD

MD: Northwestern University The Feinberg School of Medicine
BS: Pomona College

Jasper was heavily involved in global health prior to medical school, graduating Pomona College with a degree in Global Health and Science. He taught about HIV/AIDS in rural Tanzania, working to reduce stigma and initiate community dialogue, and he completed an ethnography in Salvador, Brazil. While at an NGO in rural India, he spearheaded a project to help the Public Health Research Institute of India contextualize the lives of tribal community women in 30 villages to improve targeted health interventions, including focusing on alcoholism, domestic violence, and maternal mortality. His work included creating teaching materials for local providers. Additionally, during college, he worked within medicinal chemistry and pharmacology to design an antimalarial molecule, a synthetic pathway to create it, and a novel mode of delivery of drugs to the blood involving an approach using an amide and ester prodrug linkage. Jasper entered medical school already very drawn to psychiatry, and for the past 3 years, he worked in the Positive Sobriety Institute, assessing personality factors, ACT implementation, and the importance of continuing care in substance abuse. He took the primary lead on several research projects involving over 600 patients, found novel data in terms of predictors for relapse, and presented at multiple national conferences. He helped to facilitate Northwestern's Sustained Dialogue program and was one of the founding members of the chapter at Northwestern, leading groups of peers in conversations focusing on privilege, diversity, and the pressure inherent to medical school, and helped to initiate changes to the structure of big sib-little sib interactions. He competed on a national level in ballroom dance, played chess competitively as a child and continues to love board games. He is also an advanced SCUBA diver with a wreck specialty certification, giving him the opportunity to dive in reefs in Malaysia and Thailand, shipwrecks in the Philippines, and caves in Mexico.

PHYSICIAN-SCIENTIST RESEARCH TRACK



Lu Jin, MD, PhD

MD: Weill Cornell Medical School

PhD: Yale University

BS: Zhejiang University

Lu was born and raised in Xi'an, China, graduating college with a degree in Biotechnology and receiving the FERROTEC CHINA Scholarship, the First Class Scholarship for Top Students in Academic Performance, and the Award for Outstanding Volunteer, as well as the award for best senior thesis. She moved to the US to pursue a PhD in Neurobiology at Yale, where she was mentored by Amy Arnsten. Her doctoral research focused on the molecular mechanisms of cognitive circuits in the prefrontal cortex, aiming to develop better treatments for cognitive deficits in aging and mental illness. She trained monkeys in a working memory task, recorded single neurons in their prefrontal cortex, and applied drugs to the recording site to test influences on neural activity. Her dissertation focused on the roles of mGluR2/3 receptors in regulating prefrontal circuitry and cognitive functions. The results ultimately challenged the prevailing understanding of these receptors and contributed to the development of compounds to treat schizophrenia. In medical school she conducted research at Weill Cornell with Faith Gunning and at Mount Sinai with Helen Mayberg and Allison Waters, focusing on optimizing subthalamic deep brain stimulation for motivational symptoms in Parkinson's Disease. This experience motivated her to pursue a career combining clinical and research work, with the goal of incorporating scientific discoveries into clinical practice. Lu has already authored 10 publications, including two as first author in *Cerebral Cortex* and *Molecular Psychiatry*, and several others as co-author in *Nature*, *PNAS*, and *Neuron*. Lu has a long history of mentoring younger students throughout her PhD and MD degrees. In her spare time, Lu loves rock climbing, reading history and sociology books, and attending Broadway and Off-Broadway plays.



Brian Sweis, MD, PhD

MD/PHD: University of Minnesota Medical School

BA: Loyola University

Brian graduated college with a dual major in Psychology and Biology, and a dual minor in Neuroscience and Philosophy. His PhD work was co-mentored by Mark J. Thomas and David Redish, and focused on understanding mechanisms underlying complex choices using a cross-species approach to study decision making. He applied neuroeconomic theories in combination with neuromodulation technologies to identify neural computations underlying distinct aspects of information processing as choices are being made. He discovered that there is a conserved evolutionary history to cognitive biases previously thought to be unique to humans, and that these biases arose from similar neural systems in mice, rats, and humans. Applying this framework to the study of addiction, he found that mice exposed to different drugs of abuse suffered lasting impairments in fundamentally distinct types of choices. He then linked circuit-specific memories to dysfunctions in certain neuroeconomic computations. These findings suggest that neuroeconomic approaches can be used to behaviorally resolve computation-specific dysfunctions and help identify circuits to target for therapeutic intervention. Brian's research was recognized with best PhD awards from the University of Minnesota and from the Society for Neuroscience. Brian has published 11 peer-reviewed articles, including five as first-author in *Science*, *Nature Communications*, *PNAS*, *PLoS Biology*, and *Learning & Memory*. In medical school Brian was inducted into the Gold Humanism Honor Society in recognition of his ability to demonstrate compassion, humanity, dignity, community service, and respect towards patients and his colleagues. Outside of medicine and science, Brian stays active with art, cooking, and running, and he was awarded the Fisch Art in Science & Medicine grant to communicate neuroscience to the public through painting and filmmaking.