



ISSUE 02 • AUG 2023

# PATHFOCUS

Department of Pathology, Molecular & Cell-Based Medicine



## DEPARTMENT OF PATHOLOGY NEWSLETTER

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# MESSAGE FROM THE CHAIR

Following the positive reception and accueil of the first PATHFocus issue early this year, a second publication has come together through the very capable hands of the Editorial Committee and participation of so many of our faculty, residents, fellows and staff. During the past months we have been busy in all fronts, from clinical services to education and research initiatives. Special mention deserves the official visit of the External Advisory Board (EAB) represented during the in-person gathering by Drs. Ralph Hruban (Johns Hopkins University), Joaquin Garcia (Mayo Clinic), Kathleen Montone (University of Pennsylvania), and Victor Prieto (MD Anderson Cancer Center). The need of space for present and expected expansion of all departmental activities, a unified LIS across the system, the hiring of faculty in critical areas along professional fulfillment and time to engage in scholarly activities, were recommendations of the EAB to our leadership. Needless to say, that such recognition of opportunities would not have been as properly recognized without your input and constructive dialogue with our site visiting colleagues. In sum, with the appropriate support our Department of Pathology, Molecular and Cell-Based Medicine "is poised to push the envelope in multi-modal integrated pathology supporting other clinical departments at Mount Sinai Health System and leading the field of pathology." So honored and proud to represent each and all of you. Thank you for your continued efforts, support and guidance.



Pictured here Dr. Nebras Zeizafoun, Daphne Semet, and the Lab director from Uganda, Anna Turumanya.

## KYABIRWA SURGICAL CENTER GOES DIGITAL

Through the collaboration of Mount Sinai Hospital and the Kyabirwa Surgical Center, the help of Mount Sinai Pathology department was enlisted along with partners including surgeons, and laboratory technicians in Uganda. Dr. Zeizafoun reads weekly pathology slides using a Nikon Robotic Microscope System shared over virtual meetings. He has remote access of the computer and microscope in Uganda. To date, Dr. Zeizafoun with the help of Dr. Melissa Umphlett, have examined approximately 1200 slides, and have rendered a diagnosis of over 200 patients. With this simple but innovative approach, Kyabirwa Surgical Center has overcome one of the most challenging barriers to providing surgical care in low-resource countries, particularly in the diagnosis of cancer. The generous donation of a slide scanner from Don Laferty enabled an even quicker turnaround time for diagnosis.

# Awards and Honors



Dr. Swan Thung received the 2023 Jacobi Medallion Award



Dr. Carlos Cordon-Cardo inducted into the National Academy of Inventors, 2023



Dr. Alberto Paniz-Mondolfi received the St. Luke's - Roosevelt Distinguished Young Physician of the Year 2023



Dr. Vesna Najfeld received the Mount Sinai Alumni Special Recognition Award, 2023



Drs Nazire Albayarak, Bella Liu and Peizi Li received the 1st, 2nd and 3rd prize for Best Abstract, Hans Popper Hepatopathology Companion Society

Dr. Alexandros Polydorides received the Dr. L Clarke Jr. and Elaine F. Stout Award at USCAP annual meeting



# SPOTLIGHT ON: AUTOPSY DIVISION

**Introducing our Talented Team:** Our exceptional team comprises skilled professionals who work together seamlessly to deliver high-quality autopsy services. Dr. Glenn Rudner, who has filled the vacancy left by Dr. Aryeh Stock who is completing a GI fellowship, and Dr. Barbara Sampson, both distinguished pathologists, contribute their expertise alongside Dr. Amanda Krausert who is the director of service.

**Assistance from the Morgue Team:** Our morgue team plays a vital role in supporting the autopsy process. Calvin Keys, our morgue manager, leads the team with dedication and years of expertise. Natasha Khamoo, recruited from MSH pathology administration this year, serves as the morgue supervisor, bringing fresh insights and efficiency to our operations. Assisting them are our skilled autopsy associates: Isaiah Moultrie, Kathleen Ortega, and Shantique Smalls.

**Exemplary Contributions to Research:** In 2022, our service achieved significant milestones. We completed 358 autopsies, maintaining our commitment to accurate and thorough examinations. Moreover, we expanded our coverage to include Mount Sinai South Nassau, enhancing our reach and impact.



*Autopsy faculty and staff*



*Resident working on a dissection*

One of our proudest achievements in 2022 was becoming an enrolling site for the autopsy arm of the NIH RECOVER study (Researching COVID to Enhance Recovery). Among the seven enrolling tissue pathology sites across the country, Mount Sinai has contributed 24% of the total enrollees, with 37 out of 156 decedents enrolled nationally. Notably, our site stands out for enrolling the most diverse patient population, with 68% of our enrollees coming from medically underserved communities or being non-English speakers. Our contribution to understanding how COVID affects these underrepresented groups is of immense value in shaping research initiatives.

**The Crucial Role of our Research Team:** Stephanie Haasnoot, our autopsy service family liaison, has taken on the additional role of site research coordinator, ensuring that we remain up to date with our reporting and study-related logistics. Her efforts have been instrumental in screening more than 1700 decedents for eligibility in the RECOVER study since it commenced in early 2022.

Working in tandem with Stephanie is Dr. Rachel Brody and her biorepository team, who enable the timely collection and processing of research tissues. Dr. Crary's brain bank team handles all CNS tissues for the study, while our enthusiastic Autopsy Associates have eagerly expanded their knowledge of anatomy and dissection techniques to aid in the tissue collection process (a remarkable 56 anatomic sites per decedent!).

**Embracing Change and Progress:** The past two years have seen substantial changes in our service. With a new service director and morgue supervisor, we have enhanced our efficiency and collaboration. The recruitment of another autopsy pathologist has further strengthened our capabilities.

We have also ramped up our research initiatives, aligning ourselves with the Mount Sinai research community and contributing significantly to the advancement of medical knowledge. Additionally, we streamlined our autopsy consenting process across the system, ensuring a standardized and ethical approach.

Moreover, we have restructured our service to optimize resident education and training, meeting the revised American Board of Pathology certification requirements. While the reduced number of required autopsies has been a change, we are confident that by emphasizing quality over quantity, our residents are gaining a deeper understanding of their cases and are meeting their learning and competency goals.

As we look ahead, we remain committed to providing exceptional autopsy services, driving meaningful research, and fostering an environment of continual learning and collaboration.



*Morgue staff with Aryeh*

## GRANTS

Faculty	Agency	Title
Kurt Farrell, PhD	CurePSP	Understanding the roles of risk loci implicated in genome-wide association studies of Progressive Supranuclear Palsy
Emilia Sordillo, MD PhD	NIH	Dissecting the drivers of persistent SARS-CoV-2 Infections
Margaret Brandwein-Weber, MD	CDC/NIOSH	The effect of WTC Exposure on Thyroid Cancer in the Survivor Population
Vesna Najfeld, PhD	NIH-NCI	Tumor CytoGenomic lab is a core lab for the MPN PP
Stephen Ward, MD PhD	NIDDK	Mount Sinai Health System Kidney Precision Medicine Project

## AWARDS

Faculty / Resident	Award
Swan Thung, MD	Jacobi Medallion Award, Icahn School of Medicine at Mount Sinai, March 2023
	Castle Connolly Top Doctors 2023
	America's Top Doctors 2023
	Exceptional Woman in Medicine Award 2023
Alexandros Polydorides, MD PhD	Alpha Omega Alpha Medical Honor Society, Lambda Chapter of New York, Icahn School of Medicine at Mount Sinai, 2023
	Dr. L. Clarke, Jr. and Elaine F. Stout Award, USCAP Annual Meeting, New Orleans, LA, 2023
Alberto Paniz-Mondolfi, MD PhD	St. Luke's-Roosevelt Distinguished Young Physician of the Year 2023, Mount Sinai Alumni Reunion Awards Ceremony
Barbara Sampson, MD PhD	Outstanding Clinical / Preclinical Faculty Award Student Council of Icahn School of Medicine at Mount Sinai (2023)
Vesna Najfeld, PhD	The Mount Sinai Alumni Special Recognition Award, Mount Sinai Alumni Reunion Awards
Carlos Cordon-Cardo, MD, PhD	Inducted into the National Academy of Inventors (2023)
Nazire Albayrak, MD	First Prize, Best Abstract, Hans Popper Hepatopathology Companion Society, USCAP, New Orleans, LA (March 2023)
	Liver Intestine Community of Practice (LICOP) American Transplant Congress 2023 Travel Grant (June 2023)
Bella Liu, MD	Second Prize, Best Abstract, Hans Popper Hepatopathology Companion Society, USCAP, New Orleans, LA (March 2023)
Peizi Li, MD	Third Prize, Best Abstract, Hans Popper Hepatopathology Companion Society, USCAP, New Orleans, LA (March 2023)
Matthew Hernandez, MD, PhD	Alpha Omega Alpha Medical Honor Society, Lambda Chapter of New York, Icahn School of Medicine at Mount Sinai, 2023
Swati Bhardwaj, MBBS, MD	Society of '67 Kinney Scholar Award, Association of Pathology Chairs (APC) (July 2023)
	Excellence in Teaching Award, Institute of Medical Education, Mount Sinai Health System (July 2023)
	ISUP Stipend Award, International Society of Urological Pathology (ISUP) Companion Society, USCAP, New Orleans, LA (March 2023)

## PROMOTIONS and APPOINTMENTS

Name	Faculty Rank
Stephen Ward, MD, PhD	Associate Professor to Professor (Clinician Educator/Scientist Educator Track)
Qinqing Liu, MD, PhD	Assistant Professor to Associate Professor (Clinician Educator/Scientist Educator Track)
Rachel Brody, MD, PhD	Associate Professor to Professor (Research Track)
Bruce Petersen, MD	Assistant Professor to Associate Professor (Clinician Educator/Scientist Educator Track)
Nadejda Tsankova, MD, PhD	Associate Professor to Professor with Tenure (Clinician Educator/Scientist Educator Track)
Karen Edelblum, PhD	Associate Professor with Tenure (Investigator Track)
Juan David Ramirez-Gonzalez, PhD	Associate Professor (Clinician Educator/Scientist Educator Track)
Adnan Hasanovic, MD	Associate Professor (Clinician Educator/Scientist Educator Track)
Monica Garcia-Barros, PhD	Assistant Professor (Research Track)
Timothy Richardson, DO, PhD	Associate Professor (Clinician Educator/Scientist Educator Track)
Amy Duffield, MD, PhD	Professor (Clinician Educator/Scientist Educator Track)

## MEET THE NEW FACULTY



### **Karen Edelblum, PhD**

Dr. Edelblum joins Mount Sinai as Associate Professor of Pathology. She earned her PhD in Cell Biology at Vanderbilt University and went to the University of Chicago where she completed a post-doc in mucosal immunology. Dr. Edelblum's research investigates the interactions between the microbiota, gamma delta T cells and the intestinal epithelium in the initiating events of inflammatory bowel disease (IBD). Her lab employs cutting-edge intravital microscopy techniques to visualize the migratory behavior of intraepithelial lymphocytes within the intestinal epithelium. Outside of the lab, Dr. Edelblum enjoys checking out local restaurants and traveling to new countries to explore the food scene. For the last 8 years, she has trained as an aerialist to help offset her love of food.



### **Jun Fan, MD, PhD**

After completing her medical degree at Nanjing Medical University and her PhD at The Institute for Virus Research at Kyoto University, Dr. Fan underwent residency training at Stony Brook University Hospital. She then pursued further specialization through two fellowships, one in Cytopathology at Stony Brook and the second, in Head & Neck Pathology here at Mount Sinai West. She recently joined the faculty at as a member of the Division of Cytopathology. Throughout her academic journey, she has developed a keen interest in molecular and digital pathology and is also passionate about exploring innovative approaches to pathology daily workflow. Outside of Dr. Fan's professional life, she enjoys spending time with family, baking, travelling, and photography.



### **Glenn Rudner, MD**

Dr. Rudner joins us as a Professor in Autopsy Pathology. Dr. Rudner earned his BS, MSc, and MD degrees from Wayne State University and an Anatomic Pathology Residency at Duke University followed by Fellowship in Forensic Pathology at the Office of the N.C. Chief Medical Examiner. He then went on to do additional post-graduate training in Surgical/Anatomic Pathology at Tulane University, which was followed by being selected as a Callendar-Binford Fellow at the Armed Forces Institute of Pathology. In addition to Forensic and Autopsy Pathology, Dr. Rudner is also interested in Ophthalmic Pathology. For many years, Dr. Rudner competed as a professional runner. Currently, Dr. Rudner likes working on restoration of vintage automobiles and racing J-class yachts.



### **Brandon Stauffer, PhD**

Dr. Stauffer is an Assistant Professor in the Division of Biochemical Genetics where he serves as Assistant Director of the newly-established laboratory. After earning his PhD at Emory University, he moved to New York City and completed his Postdoctoral Fellowship in Clinical Biochemical Genetics at the Icahn School of Medicine at Mount Sinai. In the lab, Dr. Stauffer is interested in biomarker discovery, particularly in the area of inborn errors of metabolism, and the development of new clinical mass spectrometry assays. Outside of work, Dr. Stauffer enjoys playing billiards, home brewing, attending concerts, and traveling.



### **Meenakshi Vij, MD**

Dr. Vij enjoyed her two years here at Mount Sinai as a Neuropathology Fellow that she has joined us as Assistant Professor in Pathology on the Clinician Educator Track at both Mount Sinai Brooklyn and Mount Sinai Queens. Dr. Vij earned her MBBS at Maulana Azad Medical College in New Delhi, India and became a faculty member there before immigrating to the U.S., where she completed residency training at Emory University and later the Neuropathology Fellowship at Mount Sinai. In addition to Neuropathology, Dr. Vij is interested in GI/Liver Pathology. When not working, Dr. Vij enjoys tennis, fishing, and hiking.



### **Xintong Wang, MD**

Dr. Xintong Wang is someone very familiar to the Pathology Department. After graduating medical school at Peking University Health Science Center, Dr. Wang went on to complete her AP/CP Residency here at Mount Sinai Hospital and then stayed on for her GI Pathology Fellowship. Dr. Wang joins the faculty and a member of the Division of Gastrointestinal Pathology, where she hopes to continue her work on studying GI Pathology/inflammatory GI diseases. When she is not at Mount Sinai, she enjoys snorkeling and going to the movies. Dr. Wang's goal each year is to try to learn one new thing per year.

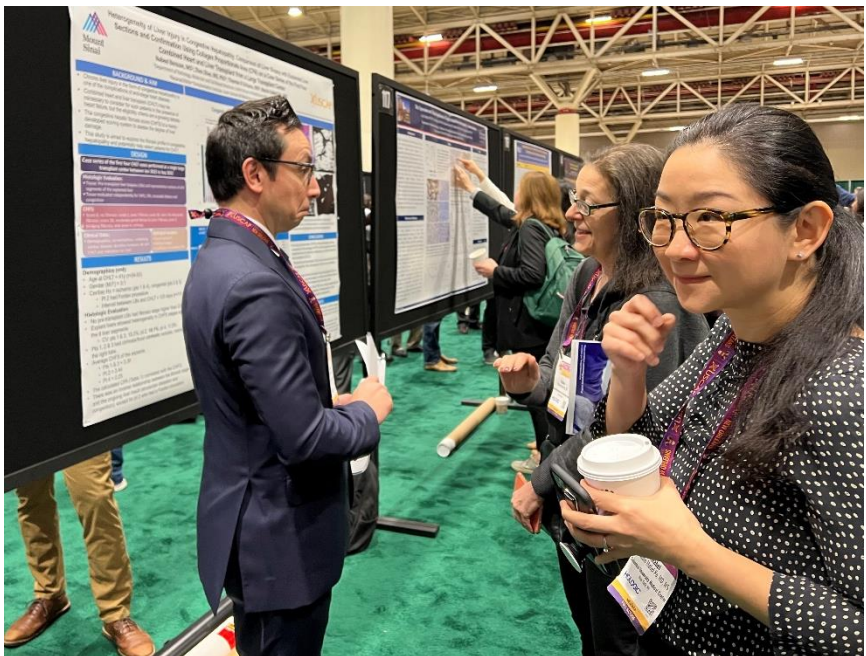
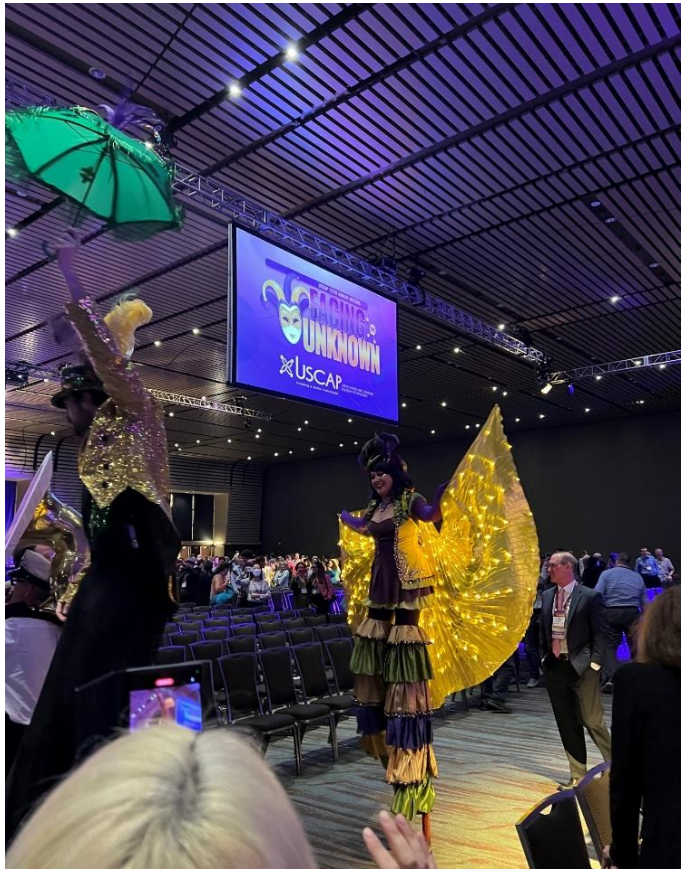
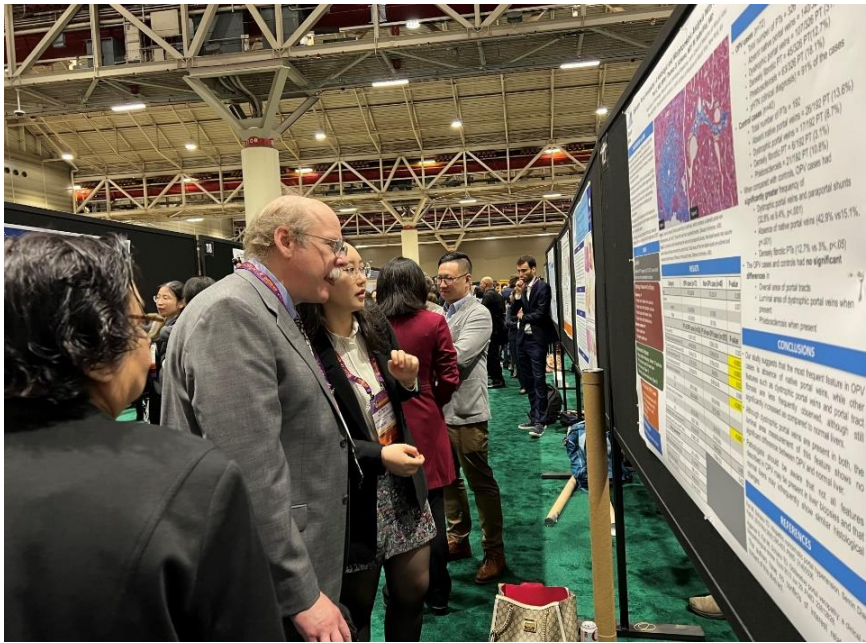
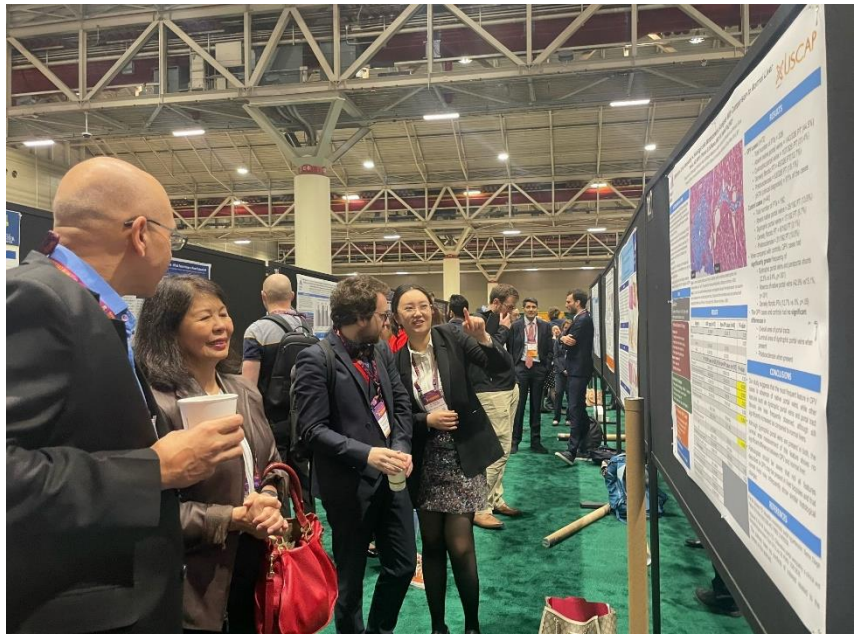


### **Chunli Yu, MD**

Dr. Yu joins the Pathology Department as the Associate Director of the Biochemical Genetics Laboratory. Dr. Yu earned her MD from Peking Medical College, completed Residency in Pediatrics at Peking Union hospital and then moved to the U.S. to complete a Fellowship in Clinical Biochemical Genetics. Dr. Yu is a well-known clinical biochemical geneticist specializing in the laboratory diagnosis and monitoring of patients with inborn errors of metabolism (IEM) and is experienced in the clinical applications of various mass spectrometry technologies in the field. Over the years, Dr. Yu has developed a variety of LDTs including metabolic profiling, biomarker studies and enzymatic assays for the diagnosis of a broad range of metabolic diseases. She has been actively involved in the training of future generations of laboratory geneticists as the Program Director of the ACGME-accredited Sema4/Mount Sinai Clinical Biochemical Genetics training program. Outside of work, she enjoys traveling and family time.

# IN PHOTOS: USCAP 2023

## 112<sup>th</sup> Annual Meeting New Orleans, LA



22

**USCAP**

**A Comparative Analysis of the Value of pT2D Immunohistochemistry Staining in Primary and Metastatic Breast Cancer in the Era of pT2D Breast Cancer**

**Background:** pT2D is a novel immunohistochemical marker for breast cancer. It is a novel marker for breast cancer. It is a novel marker for breast cancer. It is a novel marker for breast cancer.

**Methods:** We performed a comparative analysis of pT2D immunohistochemistry staining in primary and metastatic breast cancer. We analyzed 100 primary breast cancer samples and 100 metastatic breast cancer samples. We compared the results of pT2D staining in primary and metastatic breast cancer.

**Results:** The results of pT2D staining in primary and metastatic breast cancer are as follows:

Group	n	pT2D Positive	pT2D Negative
Primary Breast Cancer	100	45	55
Metastatic Breast Cancer	100	30	70

**Conclusion:** pT2D immunohistochemistry staining is a valuable marker for breast cancer. It is a novel marker for breast cancer. It is a novel marker for breast cancer. It is a novel marker for breast cancer.

**Keywords:** pT2D, breast cancer, immunohistochemistry, staining, primary, metastatic.

# USCAP Alumni Reception

Mar 13, 2023



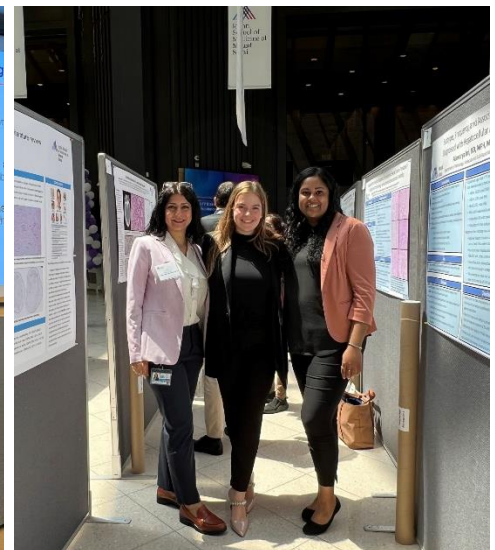


**Faculty Retreat at the New York  
Academy of Medicine**  
May 5, 2023



# Trainee Research Day

May 30, 2023

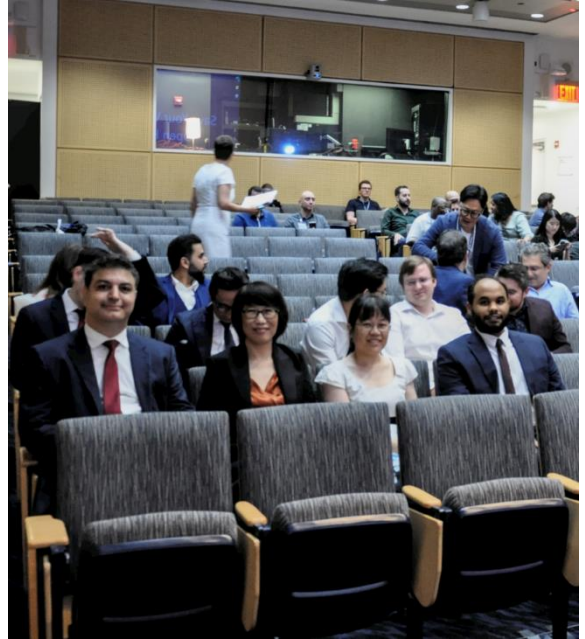


# Graduation Dinner at the Tavern on the Green June 13, 2023



# Graduation Ceremony

June 16, 2023



# Wellness Activities



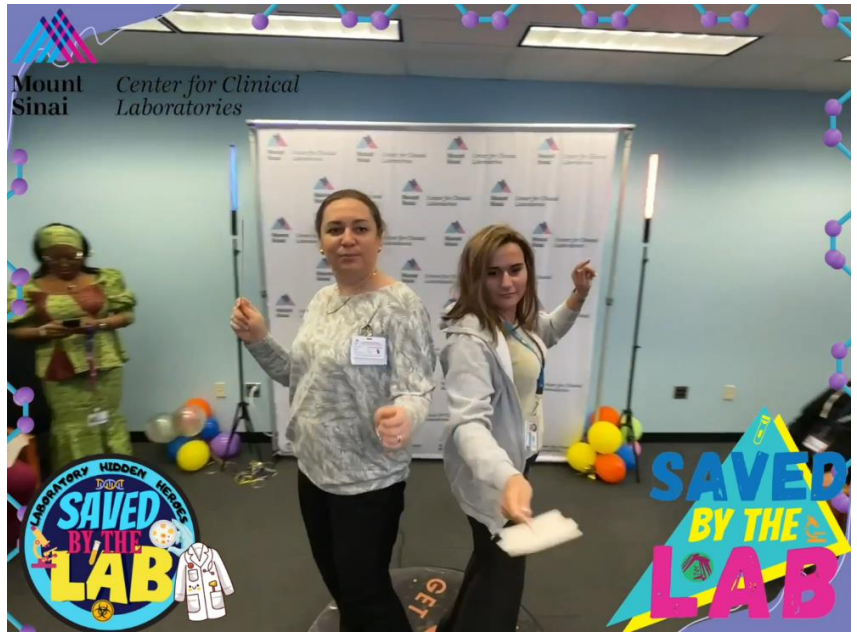
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Sassoons

## Checking in with Dr. Joseph Schein

Grants are provided in his honor to promote scientific development of young pathologists



## Clinical Pathology Lab Week 2023



## NEW RESIDENTS AND FELLOWS



**Alexis Heller, MD**

**Medical School:** Sackler School of Medicine

**Email:**

alexis.heller@mountsinai.org

**Profile:** Alexis is an AP/CP

resident. She is currently undecided regarding her future subspecialty career plans and is keeping her options open. In addition to its diverse cases and excellent faculty, one of the major reasons she chose Sinai for residency was because it is leading the way for digital pathology in medicine. Her favorite hobbies include spending time with her husband, playing with her cat, and watching new comedy specials. She is also a big foodie and can't wait to try all of the amazing food that NYC has to offer.



**Satomi Hiya, MD**

**Medical School:** Kyoto University Faculty of Medicine

**Email:**

satomi.hiya@mountsinai.org

**Profile:** Satomi has recently

moved to NYC from Japan. She is a clinical neurologist back in her country, and aspiring to become a neuropathologist at the Mount Sinai Hospital, one of the best x repertoire using new ingredients she finds at Whole foods market.



**Carolina Maldonado Diaz, MD, PhD**

**Medical School:** University of Puerto Rico School of Medicine

**Email:**

carolina.maldonadodiaz@mountsinai.org  
**Profile:** Carolina is an AP/NP Resident. She is a physician neuroscientist from Puerto Rico who chose Mount Sinai Hospital because of the positive and inclusive workplace culture, as well as the outstanding clinical and experimental training opportunities within the Department of Pathology, Molecular and Cell Based Medicine. Carolina is working towards becoming a forensic neuropathologist, and dreams of creating a Brain Bank in Puerto Rico at some point in her career. Her favorite exercise is Ashtanga Vinyasa Yoga, and she likes silent meditations. In her free time, Caro also enjoys music, cooking, and spending time with friends, family, and her puppy Boo.



**Zahra Moinfar, MD, PhD**

**Medical School:** Tehran University of Medical Sciences, Iran

**Email:**

zahra.moinfar@mountsinai.org

**Profile:** Zahra is an AP/CP resident. Upon graduation from medical school in Iran, she completed her PhD in neuroscience in Germany followed by a postdoctoral fellowship at University of California, San Francisco. While still undecided for her subspecialty, she has a strong avidity to where gut meets the brain via immune cells. She loves travelling and visiting exotic places. She enjoys listening to true crime podcasts, watching detective shows, and learning new skills such as playing guitar and watercolor painting.



**Jerry Saunders, MD, PhD**

**Medical School:** University of Rochester School of Medicine and Dentistry

**Email:**

jerry.saunders@mountsinai.org

**Profile:** Jerry is an AP/CP

resident who was drawn to pathology for its integrated emphasis of science, medicine, and education. Native to the borough of Queens, Mount Sinai was the perfect institution for his residency training considering its role as a leader at the forefront of the field, warm culture, and the opportunity to serve the city he grew up in. Jerry has strong interests in both hematopathology and transfusion medicine. Recreationally, he enjoys exercise, reading, traveling, photography, and exploring the outdoors.



**Ketan Yerneni, MD**

**Medical School:** Northwestern University, The Feinberg School of Medicine

**Email:**

ketan.yerneni@mountsinai.org

**Profile:** Ketan is an AP/CP resident with an interest in therapeutic and molecular pathology. He is passionate about the development of emerging biotechnologies and bridging the gap between academia and industry. In his free time, you can find him playing guitar or exploring any and all coffee shops and restaurants across NYC.



**Lauren Warner, DMD**

**Medical School:** University of England

**Email:**

lauren.warner@mountsinai.org

**Profile:** Lauren is an Oral and Maxillofacial Pathology Resident,

who like most dentists, started dental school not knowing this specialty even existed. Her love for oral pathology began strong semester one and only continued to grow. From small-town Vermont, Lauren is excited for the opportunity to live in New York City. In her spare time, you can find Lauren running, hiking, scouting restaurants for the best plate of nachos, or cuddled up with her cat Peanut on the couch.



**Canan Firat, MD**

**Medical School:** Celal Bayar University School of Medicine in Turkey

**Email:**

canan.firat@mountsinai.org

**Profile:** Canan is an AP/CP resident with a special interest in gastrointestinal system pathology, especially in colorectal cancers. She loves literature, art history, architecture, and nature. In her free time, Canan takes advantage of what New York has to offer, such as wandering at the Met or hiking along the Hudson River Valley.



**Tamar Gomolin, MD**

**Medical School:** New York Medical College

**Email:**

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**Profile:** Originally from Montreal,

Canada, Tamar moved to New York to attend medical school at New York Medical College and loved the experience. With Pathology, Tamar most enjoys getting to study essentially every disease process and learn how to make diagnoses, the first step in a patient's treatment course. She is excited to gain exposure to the different subspecialties of Pathology. During her free time, Tamar enjoys cooking, baking, and spending time with friends and family.



**Caitlin Harmon, DO**

**Medical School:** University of Incarnate Word School of Osteopathic Medicine

**Email:**

caitlin.harmon@mountsinai.org

**Profile:** Caitlin Harmon is originally from El Paso, Texas and attended medical school at the University of Incarnate Word School of Osteopathic Medicine, located in San Antonio, Texas. If she is not delving into a good novel in the middle of Central Park, she finds any second to attend music festivals, go to art museums, travel, scuba dive, hike, and compete in half-marathons/full marathons. Caitlin shows an interest in Hematopathology, GI Pathology, and Molecular Genetics, which she finds to be intellectually stimulating. The Pathology Residency Program at Mount Sinai Morningside/West fits her desire to explore a big city and train in a one-of-a-kind specialty alongside passionate and caring residents. If you want to win Caitlin over, it's simple; just buy her a cup of coffee.



**Matan Kadosh, DO**

**Medical School:** New York Institute of Technology College of Osteopathic Medicine

**Email:**

matan.kadosh@mountsinai.org

**Profile:** Originally from Dallas, TX and having previously lived in Missouri and Israel, Matan came to New York 5 years ago to study medicine at the New York Institute of Technology College of Osteopathic Medicine in Long Island, New York. Matan came to the MSWMSM program for the strong general pathology training as well as the friendly residents, attendings, and staff. Overall, Matan's goal is to further explore the various fields within Pathology. Fun facts include being an avid fan of The Grateful Dead and the TV show Seinfeld.



**Alexandra Zara Rozalen, MD**

**Medical School:** Universidad Central de Venezuela-Escuela Jose Maria Vargas

**Email:**

alexandra.zararozalen@mountsinai.org

**Profile:** Alexandra, or Alex as most people call her, is an AP/CP resident at Mount Sinai Morningside/West. Alex was born and raised in

Caracas, the capital city of Venezuela, where she also attended medical school, at Universidad Central de Venezuela-Escuela Jose Maria Vargas. She graduated in 2020 and decided to move to the US to pursue a Pathology residency position. Alex has been passionate about pathology for a long time. Her favorite fields in pathology are GYN Path and Cytopathology, but she is open to explore all that pathology has to offer! Alex is proud of being part of the Mount Sinai community. She appreciates the friendly environment among residents and faculty and being part of a culturally diverse program. During her free time, Alex enjoys going rock climbing, practicing barre, taking her dog Glotis on walks around the park, trying new sushi places in the city and singing karaoke with her friends.



**Breast Pathology: Lakshmi Kowtha, MBBS**

Dr. Kowtha is someone who is open to opportunities when they present themselves. A graduate of Guntur Medical College in

Guntur, India, Dr. Kowtha originally started her residency at Mount Sinai West/Mount Sinai Morningside. When an unexpected vacancy popped up in the Breast Pathology Fellowship, an opportunity to pause her residency training and do a year of a focused fellowship was presented and Dr. Kowtha took it. Dr. Kowtha was attracted to Mount Sinai for both residency and now fellowship due to its excellent leadership, wide variety of pathology, and cultural diversity. As a Breast Pathology Fellow, Dr. Kowtha hopes to see, learn and gain knowledge on breast pathologies, as well as participate in research activities. When not at Mount Sinai, Dr. Kowtha likes spending time with her kids and husband, cooking and napping. Right now, Dr. Kowtha is acquiring gardening skills, growing both vegetables and flowers in her backyard.



**Cytopathology: Daniel Real, MD**

Coming from Loma Linda University in Southern California for medical school and residency, Dr. Real chose a fellowship in Cytopathology for the breadth of cases and organ systems in

addition to learning FNA procedures. Dr. Real chose Mount Sinai for his fellowship training because it offered a large network with an abundance of cases and experienced educators that varied from his home institution and area. He hopes to gain better perspective on the East Coast and learn from faculty that have a rich experience and background. Outside of work, Dr. Real enjoys reading, languages, drawing (pen and pencil media) cross-fit and exercise, hiking, forest bathing, and spending time with his wife and children. Sometimes, Dr. Real is able to multitask and can take the time to stroller jog with his family through Central Park while listening to a language podcast or audiobook.



**GI Pathology: Tinera Buckley, MD**

Before getting involved with medicine, Dr. Buckley served as a propulsion specialist on active duty with the United States Air

Force. After leaving the Air Force, Dr. Buckley went to medical school at Saint George's University School of Medicine in Grenada and completed her Pathology Residency at RWJBH-Cooperman Barnabas Medical Center in Livingston, NJ. In choosing a GI Pathology, Dr. Buckley knew that the Pathologists at Mount Sinai are internationally known for their expertise in both GI and Liver Pathology. She is confident that the expert teaching, variety and volume of specimens will guide her improvement in her skills and prepare her for a lifelong career in pathology. Being at Mount Sinai also allows Dr. Buckley to have a world class learning experience and remain close to her family. As a GI Pathology Fellow, Dr. Buckley hopes to learn everything she can in her sub-speciality and gain the confidence needed to function as an integral part of a Pathology team. When not delving into GI Pathology, Dr. Buckley enjoys hiking, traveling, and glamping with family and friends. Also, from her Air Force days, Dr. Buckley still enjoys tinkering and, when time and resources are available, hopes to build her own Cobra kit one day.



**GI Pathology: Aryeh Stock, MD**

Dr. Stock began life with his birth at Mount Sinai. He attended The Icahn School of Medicine at Mount Sinai for medical school, graduating in 2018. He then completed AP/CP Pathology Residency at Mount Sinai, graduating in 2022. Last year he was an Attending in the Division of Autopsy at Mount Sinai, during which time he signed out autopsy cases and contributed to the RECOVER autopsy cohort study. Dr. Stock has chosen to pursue his Gastrointestinal Pathology Fellowship at Mount Sinai because he is not aware that any other programs exist. He hopes to build a strong foundation of knowledge during his Fellowship and apply his talents in Bioinformatics and Natural Language Processing to research in inflammatory bowel disease and colon cancer. When he is not working at Mount Sinai, Dr. Stock can be found taking care of his three children, biking, and playing guitar.



**GI Pathology: Joshua Wong, MD, MPH**

Originally hailing from Georgia, Dr. Wong attended medical school at Medical College of Georgia and then moved up to New York City for his Pathology Residency at Mount Sinai Hospital, where he was one of the Chief Residents in his final year. After completing his residency, Dr. Wong decided to stay one more year and complete his GI Pathology Fellowship here as well. Dr. Wong stayed with Mount Sinai thanks to the Department having good people, cases, and training. Outside of Sinai, Dr. Wong is interested in specialty coffee and terrariums.



**GYN Pathology: Fatemeh Ghazanfari Amlashi, MD**

Dr. Ghazanfari went to Guilan University of Medical Sciences, located in her hometown, Rash, in the northern part of Iran. She completed her residency training at the University of Texas Health Science Center at San Antonio. During her time there, she

developed a strong interest in GYN Pathology and chose Mount Sinai Hospital because of its long history of fellowship in this subspecialty, its strong structure, and because of being led by dedicated mentors committed to both their work and teaching. Dr. Ghazanfari's ultimate goal with the fellowship is to gain a comprehensive understanding of gynecologic pathology and become proficient in reviewing GYN cases with utmost precision. Outside of work, Dr. Ghazanfari loves spending quality time with her husband and their almost 2-year-old son. Together, they explore parks and playgrounds and sing nursery songs as a family, creating cherished memories. Dr. Ghazanfari has also surprised herself to discover that she has a newfound passion for cooking, a hobby she never thought she'd ever embrace. Overall, Dr. Ghazanfari is excited about the opportunities that lie ahead in both her medical career and personal life and looks forward to the challenges and growth that await her in the field of GYN Pathology.



**Hematopathology: Matthew Shapiro, MD**

Dr. Shapiro is on a unique route to become an all-around expert in Hematology. Last year, he was an Assistant Professor/Assistant Director in benign Hematology and Coagulation at MSH; however, his desire for learning and knowledge led him to further pursue a fellowship in malignant hematology this year. Upon completion, Dr. Shapiro may be an all-around specialist in Hematology, Hematopathology, and Coagulation. Dr. Shapiro earned his MD at St. George's University School of Medicine and completed his residency training in Clinical Pathology at Mount Sinai Hospital. Dr. Shapiro is Board Certified in Clinical Pathology. Dr. Shapiro is interested in hematopathology, hematology, coagulation, and laboratory management. When he's not at work, Dr. Shapiro can either be found on the basketball court, where he is a major enthusiast, or traveling the world! He is also a very proud and loving uncle to three adorable nieces.



**Liver Pathology: Nabeel Borazan, MD**

Dr. Borazan started his medical career earning an MD degree from the University of Baghdad, College of Medicine in 2003. In 2018, Dr. Borazan earned his second MD from Xavier University School of Medicine in Aruba. For his Residency, Dr. Borazan graduated from the Anatomic/Clinical Pathology Residency Program at Mount Sinai West/Morningside. In choosing what fellowship to pursue, Dr. Borazan went for Liver Pathology because it blends microscopic analysis with clinical medicine in a nice intellectual conversation. Additionally, the field enables him to aid clinicians in comprehending patient ailments and finding optimal treatment solutions. Dr. Borazan is confident that the exceptional training and abundant resources offered by the Liver Pathology program at Mount Sinai will enable him to achieve his goal of becoming a proficient researcher and educator. He aims to contribute significantly to the field and positively impact the lives of patients with liver pathologies. When not diving deep into



Liver Pathology, Dr. Borazan loves photography and art. He is also fascinated by the Mesopotamian civilization and has decided to learn their ancient writing system, cuneiform. And, thanks to his one-year-old son, Dr. Borazan has become "a bit of an expert" on Peppa Pig.



**Neuropathology: Leyla Canbeldek, MD**

Dr. Canbeldek received her MD from Uludag University Medical School in Turkey and completed her AP/CP Residency at University of Maryland Medical Center. Dr. Canbeldek chose Neuropathology as her fellowship because she sees Neuropathology as one of the ways to understand how the brain works and how neurological and mental health disorders can be cured. She chose Mount Sinai because she got the impression that the Neuropath environment at Sinai supported personal and academic growth, people have caring personalities, and that there are broad research opportunities. Dr. Canbeldek hopes to connect her academic experiences in the past to her future-self in a meaningful way. When not working at Mount Sinai, Dr. Canbeldek loves reading (with interests in psychology, spiritual care, and anything that involves reflection on life and human being), volunteering (examples of which include mentoring international medical

students/graduates, teaching, organizing study groups and book clubs), painting (mostly minimalist art), and walking. As her volunteer activities indicate, Dr. Canbeldek is a good listener and likes to be present for people who feels unwell to make them feel better.



**Neuropathology: Lakshmi Shree Kulumani Mahadevan, MBBS**

Dr. Kulumani received her MBBS degree from Jawaharlal Institute of Postgraduate Medical Education & Research (JIPMER) and later completed her AP/CP Residency at Georgetown University Hospital in Washington, D.C. Dr. Kulumani chose Neuropathology as her fellowship because it's a challenging field with an excellent combination of diagnostic pathology and experimental science. Her decision to go to Mount Sinai was based on Mount Sinai having a thriving clinical service, modern laboratories, the ability to collaborate with other hospitals/research facilities, and great mentors who can help her fulfill her ambitions of becoming a well round neuropathologist. Outside of Mount Sinai, Dr. Kulumani learned Indian classical singing and enjoys singing in that style and going to Karnatik music concerts. Dr. Kulumani also enjoys cooking, trying new cuisines, and exploring the city with her husband.



**Head And Neck Pathology Fellow: Christina Wiedmer, MD**

Dr. Wiedmer was born and raised in Switzerland and Japan. She stayed in Switzerland for medical school and earned her M.D. from University of Bern. But for her Anatomic/Clinical Pathology Residency, she went to University of Hawaii/John A. Burns School of Medicine, and it's Hawaii that she calls home. Dr. Wiedmer chose Head And Neck Pathology as her fellowship because it's one of the few subspecialties in pathology which is anatomically defined, rather than organ based, reflecting the wide ranges of diagnoses overlapping with other subspecialties. She also finds the head and neck particularly interesting due to the vast number of minute anatomical structures in a spatially limited anatomic region which challenges both surgeon and pathologist. During her time at Mount Sinai West, Dr. Wiedmer hopes to review as many head and neck specimens as possible-from simple to complex and also hopes to acquire strong diagnostics skills and up-to-date training in clinically relevant pathologic aspects. When not working at Mount Sinai, Dr. Wiedmer loves crossfit, hiking, travelling, and exploring coffee shops.

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**INVITED TALKS**

Faculty	Title
<b>Juan David Ramirez, PhD</b>	Implementation of Genomic surveillance for Chagas disease and Leishmaniasis Keynote speaker. 30th Annual Meeting of the German Society for Parasitology Giessen, Germany
<b>Swan Thung, MD</b>	Management of Early and Intermediate Hepatocellular Carcinoma Astra-Zeneca Scientific Workshop, Icahn School of Medicine at Mount Sinai, May 16, 2023
<b>Alexandros Polydorides, MD PhD</b>	Idiopathic inflammatory disorders of the intestine: evaluation of treatment. 18 <sup>th</sup> Panhellenic (Greek) Anatomic Pathology Conference, Volos, Greece
	Indefinite Dysplasia in Inflammatory Bowel Disease IBD Retreat, Division of Gastroenterology, Icahn School of Medicine at Mount Sinai
	Histologic Remission as a Treatment Target in Ulcerative Colitis Podcast, and multiple lectures/whiteboard preceptorships; Med Learning Group
	Cecal patch in left-sided colitis: features, outcomes, and significance IBD Conference, Division of Gastroenterology, Icahn School of Medicine at Mount Sinai
	Pathology of Inflammatory Bowel Disease Mount Sinai IBD Course for Ukraine
<b>John D. Paulsen, MD</b>	Pearls in the Diagnosis of GI Tract Infections: A Whirlwind Tour from Amoeba to Whipworm USCAP 112 <sup>th</sup> Annual Meeting. New Orleans, LA. March 15, 2023
<b>Amy Duffield, MD PhD</b>	Tumor-like lesions with a B-cell and T-cell predominance Hematopathology Course on Lymphomas; International Academy of Pathology (IAP) Turkish Division, Izmir, Turkey, March 31, 2023
<b>Margaret Brandwein, MD</b>	Work in Progress – A Computational Approach to Evaluating Tallness in Papillary Thyroid Carcinoma THANC (Thyroid and Head and Neck Cancer) Foundation Virtual Thyroid Journal Club
	Head and Neck Margin Mapping: Shifting the paradigm of Surgeon/Pathologist Conversations Head and Neck Multidisciplinary Tumor Board, Royal Prince Alfred Hospital NSW Health, University of Sydney
	Resection Margins: Have We Reached a Consensus? American Head and Neck Society 11th International Conference on Head and Neck Cancer. Quebec, Canada
<b>Kurt Farrell, PhD</b>	Computer Vision & Machine Learning in Digital Neuropathology 9 <sup>th</sup> annual Digital Pathology & AI Congress: June 22, 2023
	Digital Pathology and Machine Learning: Advice from the Engineering Side 99 <sup>th</sup> Annual Meeting of the American Association of Neuropathologists (AANP). June 7, 2023
<b>Stephen Ward, MD PhD</b>	Moderator, Liver Pathology Platform. United States and Canadian Academy of Pathology's 112th Annual Meeting, New Orleans, LA, Mar 14, 2023
	Liver Biopsy and NASH Preceptorship for Intercept, Department of Medicine, Division of Liver Diseases, Icahn School of Medicine at Mount Sinai, New York, NY, Apr 12, 2023
	Cases in renal pathology Grand rounds, Mount Sinai Hospital, Department of Medicine, Division of Rheumatology, New York, NY, Apr 17, 2023
	20 years of liver biopsies at Mount Sinai – Application of a machine learning based approach to pathology database searches Laennec Liver Pathology Society Annual Meeting, Los Angeles, California, June 1, 2023
<b>Jamie Walker, MD PhD</b>	The International Conference on Alzheimer's and Parkinson's (AD/PD) 2023 in March Alzheimer's Association International Conference (AAIC) 2023 in July.
<b>Yuxin Liu, MD PhD</b>	Update on HPV-associated cervical cancer International Society of Gynecological Pathologists, March 2023
	Risk-based Anal Cancer Screening: Who and How? Mount Sinai Health System, Department of OB/GYN, Division of GYN Oncology, April 2023
	A non-negligible risk of precancer and cancer associated with anal condyloma acuminata in HIV-infected MSM American Society for Colposcopy and Cervical Pathology Annual Scientific Meeting, May 2023
<b>John Crary, MD PhD</b>	Towards Diagnosing Neurodegeneration Using Artificial Intelligence The New Wave of AI in Healthcare Conference, New York Academy of Sciences, May 2023
	Neuropathology Brain Bank & Research CoRE Summer Undergraduate Research Program for Underrepresented Scholars, Mount Sinai, June 2023
<b>Barbara Sampson, MD PhD</b>	Using the Molecular Autopsy to Understand Sudden Death CJ Kinney Grand Rounds Lecture at Boston Children's Hospital, March 2023
<b>Russell B. McBride, PhD, MPH</b>	IBD Innovate: Product Development for Crohn's & Colitis™ Crohn's & Colitis Foundation
<b>Mary Beth Beasley, MD</b>	Pulmonary Neuroendocrine Tumors 10 <sup>th</sup> Annual Princeton Integrated Pathology Symposium, April 1, 2023.
<b>Maria Isabel Fiel, MD, MS</b>	Liver Transplant Pathology: an Update Grand Rounds and Visiting Professor, Department of Pathology and Laboratory Medicine Emory University, Atlanta, GA (July 2023)
	Liver Biopsy is a Useful Clinical Tool for NASH Science in the City, ISMMS, New York City (July 2023)
	Hepatic Graft-versus-Host Disease: The Diagnosis is in the Details PathologyCast.Com (July 2023)
	The Spectrum of Liver Histology in Patients with CVID: Portal Hypertension with a Twist Laennec Liver Pathology Society, Los Angeles, CA (June 2023)
<b>Nadejda Tsankova, MD, PhD</b>	The right place at the right time: Multi-omics resolves the transience and diversity during human gliogenesis and provides clues to diseased states Biannual European meeting on Neurogenesis, all expenses paid), Black Sea Neurogenesis June 1-4, 2023
	Reconstructing Human Astrocyte Lineages and Developmental Drivers with Single Nucleus Transcriptomics and Epigenomics AANP June 7-10 202, Monterey, California

# Path Artworks

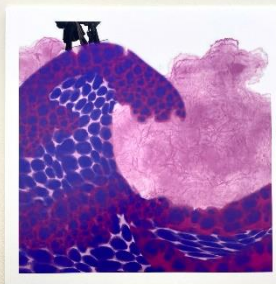
A compilation of artwork submission from our pathology community



**Alison Williams, MD**  
"Everything around us is dark, but when you step on the light", 2023  
12 x 12 in.



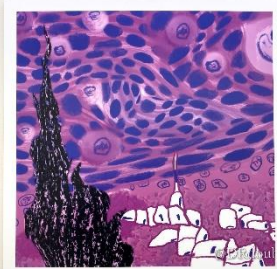
**Avi Kandel, MD**  
"Artistic interpretation of a radial scar", 2023  
Aunties of Carcin



**Ben Bassett, MD**  
"Nucleolar Crowns"  
2023  
12 x 12 in.



**Ben Bassett, MD**  
"Nucleolar Crowns"  
2023  
12 x 12 in.



**Ben Bassett, MD**  
"Nucleolar Crowns"  
2023  
12 x 12 in.



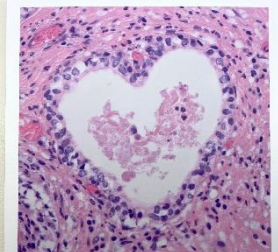
**Christina Bell, MD**  
"Effects of treatment", 2023  
12 x 12 in.



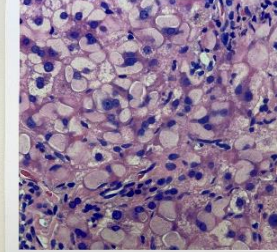
**Emily Wolters, MD**  
"Complex Hyperplasia", 2023  
Hand Embroidery Art



**Franklin Davis, MD**  
"Fiber Hyperplasia", 2023  
12 x 12 in.



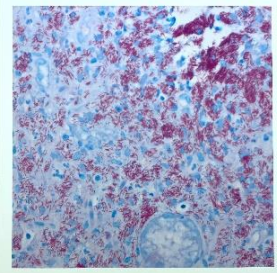
**Isabel Reed, DO**  
"Metastatic", 2023  
12 x 12 in.



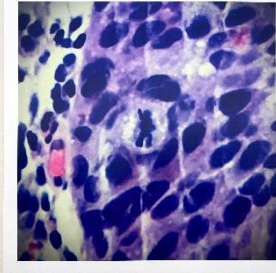
**Isabel Reed, DO**  
"Metastatic", 2023  
12 x 12 in.



**Melissa Imphiel, MD**  
"Resonant Components #1", 2023  
12 x 12 in.



**Morgan Almond, MD**  
"RARE Air Spaces", 2023  
12 x 12 in.



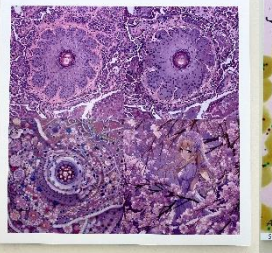
**Nicholas Roberts, DO**  
"Squamous Nipple Inversion", 2023  
12 x 12 in.



**Paul Li, MD**  
"Squamous Nipple Inversion", 2023  
12 x 12 in.



**Tamara Kallir, MD, PhD**  
"Autopsy Musings", 2023  
Poem



**Zohara Weiss, MD**  
"Autopsy Musings", 2023  
12 x 12 in.



**Alison Williams, MD**  
"Somewhere beyond light and wings, there is a garden. I call it you there - PLUM", 2022  
12 x 12 in.



**Tamara Kallir, MD, PhD**  
"Parasitosis on Decoy: Alice encounters a pear cell tumor", 2023  
12 x 12 in.



**Tamara Kallir, MD, PhD**  
"Parasitosis on Decoy: Alice encounters a pear cell tumor", 2023  
12 x 12 in.



# Lab Department

In the depths of Mount Sinai's noble grace,  
Where science and healing interlace,  
There lies a lab, a hallowed space,  
Where knowledge leaps, and miracles embrace.

Within these walls, where brilliance thrives,  
Dedicated minds, true passion survives,  
Seeking answers, unlocking Life's archives,  
In the lab at Mount Sinai, hope arrives.

A symphony of beakers, bubbling with might,  
Illuminating darkness with a flicker of light,  
Bridging the chasm between illness and right,  
In the lab at Mount Sinai, battles we fight.

Microscopes dance, revealing secrets concealed,  
Unraveling mysteries, yet to be revealed,  
The human body, a canvas of fate unconcealed,  
In the lab at Mount Sinai, destiny's sealed.

With steady hands, instruments align,  
Precision and expertise combine,  
Unveiling cures, like treasures divine,  
In the lab at Mount Sinai, miracles shine.

Whispers of hope echo through the halls,  
As silent heroes strive, never to fall,  
Searching for answers, to Nature's calls,  
In the lab at Mount Sinai, greatness enralls.

Oh, laboratory enchantment, untamed and free,  
Where dreams manifest in curiosity,  
Mount Sinai's beacon, shining brilliantly,  
In the lab, our spirits dance, joyously.

So, let us celebrate this sacred ground,  
Where seekers of truth are forever bound,  
In the lab at Mount Sinai, miracles are found,  
Where wonder and poetry, in harmony, resound

A poem by *Ali Ibrahim Karim*