

HARVARD T.H. CHAN | SCHOOL OF PUBLIC HEALTH

2021 OEMR SYNAPSE

ANNUAL REPORT



OCCUPATIONAL AND ENVIRONMENTAL MEDICINE RESIDENCY

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PROGRAM DIRECTOR'S WELCOME

Welcome to the 2021 Occupational and Environmental Medicine Residency (OEMR) Annual Report, our 14th edition of the OEMR Synapse. We are pleased to review our achievements and celebrate our current residents, 2021 graduates, incoming residents, and distinguished alumni.

Closing out 2021, the state of our program continues to be strong. We graduated four outstanding residents, have a current census of ten superb residents (9 categorical and 1 complimentary), and have accepted an exceptional class of five new residents for July 2022.

The program's tradition of excellence continues in faculty and resident activity, secure program funding, our 100% first-time pass-rate by graduates on the ABPM exam since 2013, and various resident awards and other accolades (see page 15).

2021 happily marked the return to in-person classes and activities at the School. We are proud of the residents' resilience and patience with all the transitions back to normality. The occupational health service at Cambridge Health Alliance (CHA) and other rotation sites have been returning back to their regular "book of business". While the COVID-19 pandemic becomes endemic, valuable COVID-19-related research has continued. On the academic side, while classes, Grand Rounds, and seminars have largely returned to primarily in-person formats, our experience with virtual learning has allowed us to expand our outreach with hybrid offerings.

Though all our residents and current faculty are well, we lost several dear friends in 2021: Dr. Eileen Storey, an alumna, Professor at UCONN, former Hardy Award Winner, and during retirement a mentor and RAC member; as well as our beloved benefactor and supporter, Ms. Nyla Medlock. During NECOEM 2021, which was hybrid, we celebrated an in-person symposium where we recognized Nyla's many contributions to the program. We also successfully raised over \$25,000 in scholarship funds to be administered going forward by NECOEM.

Thanks to benefactors, like Nyla, our program remains fiscally sound, and we recognize the financial generosity of our donors which have made it possible to expand and grow our occupational medicine program (page 23). In these times of uncertainty, tuition costs and expenses continue to grow rapidly. Please consider supporting our program financially – for example, our OM Gift fund allows us to support residents' travel stipends and events such as graduation.

In closing, once again we invite competitive students, residents, and mid-career physicians to read our annual report and consider our specialty and the Harvard Chan OM program. To our alumni and friends, we are grateful for all your support to continue this world-renowned program. We again wish everyone the best of health and hope to see you all soon!

Warm regards,
Stefanos



Stefanos N. Kales
MD, MPH, FACP, FACOEM (OEMR '93)

CURRENT RESIDENTS:

2nd YEAR:



Alexander Jobrack, DO, MPH

Alexander Jobrack, DO, MPH (OEMR '22) is a native of Northern California. He graduated medical school from Midwestern University's Arizona College of Osteopathic Medicine in Glendale, AZ. After graduation, he completed an internship in General Surgery at Keesler Medical Center, Keesler AFB, MS. Following his internship, he was selected for a competitive research fellowship in which he studied wound healing where he eventually developed a wound care device, which was patented in 2018. At the completion of his research year, Alex decided to leave General Surgery and pursue Flight Medicine. He served as a Flight Surgeon on the C-17 airframe with the 62 Airwing at Joint Base Lewis-McChord in Washington State for 2.5 years. As a Flight Surgeon, Alex had the opportunity to lead as a temporary Surgeon General of Preventative Medicine, a co-lead Competent Medical Authority for

medical monitoring of members on nuclear duties in the Air Force, heading the absorption of security forces into Flight Medicine, and chairing the Occupational and Environmental Working Group at McChord Air Base. At the conclusion of his OEMR residency, Alex will be stationed at the Beale Air Force Base in California where he will be an Installation Occupational and Environmental Medicine Consultant. He has been happily married to his wife Valerie for 10 years and has two children: Emily (6 years old) and Adrian (3 years old). He enjoys spending time with his family, cycling, exercising, and going on hikes in nature.



Shane Joseph, MD, MPH

Shane Joseph, MD, MPH (OEMR '22) was born and raised in South San Francisco, CA. He has undergraduate degrees in Psychobiology and Biochemistry from the University of California, Los Angeles, and San Francisco State University, respectively. He earned his medical degree from the Uniformed Services University after accepting a commission into the U.S. Navy. After acquiring his medical degree, Dr. Joseph completed an internship in General Surgery at Naval Medical Center San Diego. Following his internship, Dr. Joseph went on to serve as a General Medical Officer among a variety of operational military units within the Department of the Navy. Earning the rank of Lieutenant Commander, he has participated in multiple military deployments, both combat, and non-combat, to different theaters of engagement prior to matriculating to OEMR in Boston. Besides his military

work, Dr. Joseph has served as the medical director of several medication-assisted treatment facilities treating patients with opioid use disorders. Upon graduation, Dr. Joseph will be taking his talents to Navy Medicine Readiness and Training Command Guam as its next Head of the Occupational Health Department as well as its Public Health Emergency Officer.



Samuel Ko, MD, MPH

Samuel Ko, MD, MPH (OEMR '22) grew up in Hudson, Wisconsin. He attended undergraduate studies at the University of Wisconsin in Madison. He continued to the University of Wisconsin School of Medicine under the Navy Health Profession Scholarship Program. Starting active duty, he completed a Transitional Year Internship at the Naval Medical Center San Diego. Following completion of training as a Naval Flight Surgeon, he completed 3 tours with different units ranging from Marines, Carrier-based, Tactical Jet Aircraft, and Rotary Wing. He is currently the Chief Resident of the program. He also continues to serve as a Navy Reservist, recently assigned to Fleet Logistics Squadron 64, which flies C-130s out of Joint Base McGuire-Dix-Lakehurst, NJ. He continues to pursue his interests, engaged with projects researching New England Firefighters' health and fitness, exposure

for Pilots in Civil Aviation, and Space Medicine associated with NASA's Exploration Medical Capabilities. He lives with his wife Susie and one-year-old daughter.



James M. Medeiros, DO, MPH

James M. Medeiros DO, MPH (OEMR '22) is a native New Englander who grew up in Fall River MA, and attended Durfee High School. After graduating from James Madison University in VA, he entered medical school at Philadelphia College of Osteopathic Medicine on a US Air Force (USAF) health professional scholarship. Following an internship in 2012, he served 8 years as a Flight Surgeon in the USAF achieving the rank of Major with an initial assignment to Robins AFB GA then Osan AB S. Korea, and lastly Hanscom AFB in Bedford MA. While at Hanscom, James took on a senior leadership role as the Chief of Aerospace Medicine where he oversaw an array of responsibilities including medical management of special duty service members, optimizing human performance, occupational health for a 7-state region, and chairing several working groups and committees. During his OEM

residency, James completed a well-received MPH capstone project on environmental noise pollution and currently sits on the scientific advisory council for the non-profit Quiet Communities. Upon graduation, he will be assigned to Edwards AFB in California taking on the role of Installation Occupational Medicine Physician. On a personal note, his interests include the outdoors, backpacking, skiing, gardening, and spending time with family.



J. David Sterns, MD, MPH

J. David Sterns, MD, MPH (OEMR '22) is from Nashville, TN, and completed his undergraduate studies in Biochemistry at Lee University prior to his medical training at Georgetown University School of Medicine in Washington, DC. As a United States Navy medical officer, he went on to complete his internship in Pediatrics at Naval Medical Center San Diego and was selected for Naval Flight Surgeon training and designation in Pensacola, FL. He first developed an interest in Occupational and Environmental Medicine during his tour with Marine Unmanned Aerial Vehicle Squadron 2 of the 2nd Marine Aircraft Wing at Cherry Point, NC, and looks forward to promoting the safety and welfare of active-duty service-members after his completion of residency at a location to be determined. David loves spending quality time exploring New England with his beautiful wife and two daughters and enjoys all things outdoors, especially his newfound sport of cross-country skiing."

1st YEAR:



Joseph Abrams, DO

Joseph Abrams, DO (MPH '22, OEMR '23) was born and raised in Liberty Lake, WA, enjoying outdoor adventure and sports of all varieties. Prior to medical school, he was employed as a graphic designer, landscape installer, door-to-door salesman, and gym manager. His education took him to Brigham Young University in Provo UT (BS Exercise Science) and Western University in Pomona CA (Doctor of Osteopathy). His growing family includes his wife Cristin, son Jonas (2), and daughter Lux (0). Dr. Abrams served as a Flight Surgeon in the US Air Force and was stationed in Texas, Korea, and Germany. He was embedded with C130J and Intel units. He has deployed to Afghanistan (2), Poland, Senegal, and Morocco. His capstone project involves evaluation and recommendations for telehealth utilization relating to performance optimization within the military.



Kevan Lutchman, MD

Kevan Lutchman, MD (MPH '22, OEMR '23) was born in Trinidad and Tobago and grew up in Canada. He eventually immigrated to the United States with his family in 2011, where he settled in Texas. He obtained a BS in Biology from the University of Texas at Dallas and subsequently obtained his MD at UT Southwestern Medical Center in Dallas. He completed his family medicine residency training at John Peter Smith Health Network in Fort Worth, TX where he was able to take an active role in the network's employee health service. Through his medical journey, Kevan has also been involved in the promotion of occupational health and safety in a variety of industries, by working with his father's company. His goal is to improve the medical literacy and well-being of the workforce to reduce the incidence of occupational ailments. In his spare time, he enjoys hiking, amateur photography, basketball, and spending time with his family.



Jose Villa-Uribe, MD

Jose Villa-Uribe, MD (MPH '22, OEMR '23) Jose hails from Colombia by way of Texas. He earned an S.B. in Chemistry from the Massachusetts Institute of Technology, and an M.D. from Weill Cornell Medical College. Jose then trained in Emergency Medicine at the Tufts/Baystate Medical Center EM residency in Springfield, MA. Upon completion of his EM training, he worked as a clinician and Center Medical Director for Concentra, where he developed his interest in Occupational Medicine. Outside of work, he enjoys reading speculative fiction, traveling, and spending time with his wife and children.



Rachael Zacks, MD

Rachael Zacks, MD (MPH '22, OEMR '23) is an internal medicine physician who recently completed the two-year Epidemic Intelligence Service Fellowship at the Centers for Disease Control and Prevention. She was based in the Emergency Response and Recovery Branch and spent her time deploying to international humanitarian disasters around the world, working with refugee and disadvantaged populations and a variety of COVID-19 projects in vaccination, symptom characterization, and seroprevalence studies here at home. Her previous education includes a B.A. in Ecology and Evolutionary Biology from the University of Colorado-Boulder and certificates in global health and wilderness medicine during her internal medicine residency at Brown. When she's not working you can find her hiking, taking photographs on random adventures, horseback riding, or scribbling

furiously in her journal. She's excited to now be participating in projects with emergency preparedness exercises and California wildfire response.

COMPLEMENTARY PATHWAY RESIDENT (2021-2023)



Vasileia Varvarigou, MD

Vasileia Varvarigou, MD (OEMR '23) is a Board-Certified Primary Care Physician with a special interest and work experience in Occupational Medicine and Environmental Health. As a post-doctoral research fellow at the Harvard T.H Chan School of Public Health from 2010-2012 and under the supervision of Professor Stefanos Kales, she had the opportunity to investigate various associations of cardiovascular disease risk with fitness, nutrition, and sleep in a multi-state cohort of career firefighters. After completing her training in Internal Medicine, she worked as a primary care clinician in a community health center in Dorchester MA, a health facility serving Boston's immigrants and other underserved communities. She continued her work as a primary care doctor at Brigham and Women's Hospital during the first year of the COVID -19 pandemic which highlighted

the importance of including one's employment and the environment when addressing the social determinants of health. She joined the Occupational Health Department at CHA in March 2021 focusing her practice on workplace safety, work-related injuries and exposures, and disease prevention. She will be starting an MPH program in Epidemiology at Harvard in the summer of 2022. Upon completing her training, she would like to work as a clinician/public health researcher creating strong partnerships with the industry and policymakers to develop wellness and injury prevention programs for workers and communities. As a member of the occupational health community, she wants to work towards health and safety at the workplace through preventive programs that promote worker health and reduce workplace hazards.

2022 Incoming Residents



Jacob R. Berry, MD

Jacob R. Berry, MD, (MPH '23, OEMR '24) was born and raised in Idaho Falls, ID. He enjoys outdoor adventures, food science, and bush crafting. He is a graduate of Brigham Young University in Provo, UT (BS Biology) and Uniformed Services University of the Health Sciences. He was a missionary in South Korea for 2 years and speaks fluent Korean. Dr. Berry is a well-known flight surgeon in the USAF where he supported the first combat deployment of F35s. He also worked directly supporting U-2, F-16, UH 60, and A-10 flight operations. Dr. Berry has given Aerospace Medicine lectures on disaster response, decompression sickness, and aeromedical evacuation all over Asia including Singapore, Thailand, Philippines, Korea, and Malaysia. He served as the Chief of Aerospace and Occupational Medicine at Osan Air Force Base, S. Korea. He has published on numerous topics but most prominently aviation base barotrauma and dysbarism. He has a young family and loves spending time with his children.



Matthew Hamm, MD

Matthew Hamm, MD (MPH '23, OEMR '24) graduated from the University of California, Davis, with a bachelor's in cell biology, after which he joined a state research laboratory with an emphasis on zoonotic viruses. Dr. Hamm was commissioned into the U.S. Air Force, earned his medical degree from the Uniformed Services University, and trained in internal medicine at the San Antonio Military Medical Center. He served three operational assignments with two combat deployments as a Flight Surgeon in his role as Medical Director and Senior Medical Officer for aerial operations. Dr. Hamm received the Air Medal for his contributions to aeromedical evacuation, with thirty-eight career military awards. Noteworthy accomplishments include pioneering occupational injury prevention in combat rescue prevention in combat rescue aircrews and special forces, investigating seventeen occupational mishaps including fatalities alongside other federal departments, and leading medical operations for the DOD's first major combat deployment during the COVID-19 pandemic. Following his military years, Dr. Hamm worked in private practice as an occupational medicine specialist. He and his wife, Sally, will be the first couple ever to attend the Occupational and Environmental Medicine Residency together. Dr. Hamm enjoys motorcycling, playing music, and having adventures with their three children.



Sally C. Hamm, MD

Sally C. Hamm, MD (MPH '23, OEMR '24) comes from Washington, D.C., and grew up as an Army kid on the move, including a stint in Brookline. Prior to medical school, she researched biowarfare countermeasures at the U.S. Army Medical Research Institute for Infectious Diseases. Dr. Hamm studied chemistry at Carleton College, earned her MD from the Uniformed Services University, and completed a transitional internship at San Antonio Military Medical Center. As an Air Force Flight Surgeon and Medical Director, she optimized health for pilots and operators of helicopters and fighters, bombers, refuelers, intel, remotely piloted, and command and control aircraft. Highlights include testing thermal stress of stealth-fighter biodefense PPE, mitigating fatigue in combat shift workers,

investigating breastmilk lead contamination in law enforcement officers, advising the base commander on human performance optimization, leading international medical operations for a dozen large-force aerial exercises at the Air Force's high-volume airfield, and serving on the federal regulatory council that governs occupational health for the largest industrial workplace in the DOD. Outside of work you'll find Sally pulling her husband and three children off-key in sing-alongs and mobilizing them for family dance-offs.



K. Ray Motoyama, DO, MPH

K. Ray Motoyama, DO, MPH (OEMR'24) is from Pittsburgh, PA, and attended undergraduate studies at George Washington University followed by graduate studies at the University of Pittsburgh Graduate School of Public Health. He completed medical training at Lake Erie College of Osteopathic Medicine. As an active-duty Naval Officer, he completed an internal medicine internship at Walter Reed National Military Medical Center. He then served 7 years as a Flight Surgeon, completing two tours in Atsugi Japan, and one tour in San Diego supporting Carrier and Rotary Wings. As the Senior Regional Flight Surgeon in Japan, he ensured safety and compliance of infection control measures during the COVID-19 pandemic crisis and oversaw contact tracing and isolation among 1000 aviation personnel

He plans to use his clinical and leadership experience in the military to advocate for worker health in the civilian sector after completion of his residency. Ray enjoys travel and photography and lives with his loving wife Kay, son, and daughter.



Saad Salman, MD, MPH

Saad Salman, MD MPH (OEMR '24) is a PGY3 Internal Medicine resident at St John's Riverside Hospital in Yonkers, NY. He was born in Lahore, Pakistan, spent part of his childhood in Toms River, NJ, and finished his schooling in Islamabad, Pakistan. He also completed his medical education in Islamabad, graduating from Shifa College of Medicine in 2011. While working as a physician in Pakistan, he became increasingly drawn to the field of public health. He completed his MPH with a focus on Global Health at the Harvard School of Public Health in 2017, where he developed an interest in Occupational Health while working with SHINE (Sustainability and Health Initiative for NetPositive Enterprise). During this time, he traveled to Pakistan, China, and Cambodia to interview and develop strategies to improve healthcare outcomes for factory workers. After completing his training in internal

medicine, Saad is eager to return to Harvard to focus on increasing primary healthcare access to low-income occupational groups. Outside of work, Saad enjoys playing and recording drums, hiking, and cooking South Asian cuisine.

2021 GRADUATES



Stephen D. Kasteler, MD, MPH

Stephen D. Kasteler, MD, MPH (OEMR '21) graduated from the University of Utah with a dual honors degree (HBS) in biology and minors in chemistry and business. After graduation, he joined Teach for America as a charter corps member, setting up the program and teaching high school for two years in Jacksonville, FL. He then joined the US Air Force and went to medical school at the Uniformed Services University of the Health Sciences. He completed a transitional internship at Travis AFB in northern California. Stephen served for 4-years as the flight surgeon for the famed “Hat in the Ring Gang” of the 94th Fighter Squadron—an F-22 squadron based at Langley AFB, VA. He traveled extensively with his squadron and deployed to the United Arab Emirates. While at Harvard, Stephen was the Chief Resident for the 2020-2021 academic year. Stephen worked on improving clinical operations,

analyzing sharps injuries across Massachusetts, and evaluating the body’s immune response to COVID-19. Currently, he is stationed at the AF Joint Base San Antonio-Lackland, TX, where over 35,00 US Air Force enlisted recruits complete basic military training. His current clinical duties are many including completing all initial NFPA exams for trainees selected for firefighter training, screening and treating trainees for tuberculosis, and occupational surveillance for over 2,400 active duty, reserve, and government service civilians with varied potential exposures. Stephen also serves as an MRO for the base drug demand reduction program. In addition to work, he enjoys spending time with his wife Victoria and teaching his three children to play the piano, enjoy sports, and appreciate education.



Gabe Gaviola, MD, MPH

Gabe Gaviola, MD, MPH (OEMR '21) began his career in occupational medicine by volunteering as a medical officer in a remote village in India for four years. While studying Vedic philosophy under a guru, he transformed a small medication dispensary into a full-service occupational health clinic for laborers and students. Since then, he has served as a medical director at Health, a 50-state physician network enabling consumer-initiated diagnostic testing. There, he evaluated dozens of prospective partners, lead efforts to ensure clinical rigor, and streamlined operations across the company. During his residency, he helped develop the clinical protocols backing the 15M+ COVID-19 tests PWN has supported and its COVID-19 vaccine counseling program. His research interests are in musculoskeletal

injury and disability, chronobiology, and metabolic disease. He has a passion for environmental sustainability and nutrition and has been a vegetarian for 20 years. Gabe holds an MD from Georgetown University School of Medicine and a bachelor’s degree in economics from Georgetown University. Gabe is currently a physician at Cambridge Health Alliance Occupational Health and Medical Director at Everly Health. Everly Health is a remote care company focused on making diagnostic testing more accessible for individuals and organizations.



Richard R. Abitria, MD, MPH

Richard R. Abitria, MD (OEMR '21) is a native of San Diego, CA, and a graduate of the Uniformed Services University of the Health Sciences medical school in Bethesda, MD. He attended the University of California, Los Angeles (UCLA) with an undergraduate degree in Biochemistry. After residency, Rich was assigned to the Naval Submarine Base in Kings Bay, Georgia. Rich is currently assigned as the Occupational Health Department Head at Naval Medical Readiness and Training Unit (NMRTU). He leads 7 divisions: Occupational Health, Radiation Health, Preventive Medicine, Industrial Hygiene, Wellness/Nutrition, Substance Abuse, and Mental Health. Rich has also completed certification as the Base Public Health Emergency Officer (PHEO) and is busy generating RTW policies as the Delta and Omicron variants have spread through the county and base facilities. He is also a member of the

of the Naval Hospital Jacksonville COVID Task Force in which policies, testing, and RTW strategies are discussed to best align with CDC guidelines. Rich has completed his Radiation Health Indoctrination Certificate and is now certified to perform ionizing radiation health exams for exposed personnel. Rich is currently one of two such providers for the largest US Navy Radiation Health Program on the East Coast. He enjoys spending time with his wife, Janet, and five children; Reina, Ronin, Rhiannon, Rory, and Ryxon, as well as playing/writing music for the guitar, half marathon races, and intramural basketball and flag football.



Glen Cheng, MD, JD, MPH

Glen Cheng, MD, JD (OEMR '21) is a native of Ridgewood, New Jersey, and is a graduate of the joint MD/JD program at Rutgers New Jersey Medical School and Rutgers Law School. Prior to residency, he worked for 8 years as an attorney, representing biopharma and Med-Tech companies in patent litigation, and serving as regulatory counsel at FDA's Center for Drug Evaluation & Research. During his residency, Glen focused on keeping workers healthy and worked as a physician consultant on several occupational medicine engagements with the Occupational and Environmental Health Network. Glen also worked part-time as a clinical investigator at a bioinformatics startup, focusing on clinical informatics and Covid-19 epidemiology research. Currently, Glen is the Chief of Occupational Medicine at the VA Pittsburgh Healthcare System. One of his main responsibilities is to keep

employees and veterans protected from Covid exposure. In addition, he is also continuing to do occupational health-related consulting.

FROM THE CHIEF RESIDENT:

Twenty-twenty was a year defined by adaptability and change; 2021 redoubled these challenges. We started the year off with another COVID surge, reaching even higher numbers of confirmed cases. Improved testing and case definition drove this change and we responded adeptly. With early doses of vaccine came the first hopes of finding the light at the end of the tunnel. The second half of the 2020-'21 academic year proceeded virtually, Zooming our way through classes and meetings. Zoom fatigue was a real struggle, but accepted as the way forward. AOHC 2021 was held virtually, permitting attendance from our own homes. As the cases came down, we graduated with “hybrid” mode for First-Year’s MPH Capstone and Second-Years’ Research Presentations. This gave us another chance to be in the same room together while inviting our mentors to join us from all over the country.

The summer lull saw COVID cases reach the lowest since the onset and we looked forward to emerging from the pandemic. Welcoming our new class, the clinic and other rotations shifted back to a more normal workflow. Instead of triaging exposure cases, we started seeing consults, IMEs, bread and butter Occupational Medicine. Plans came together for returning to in-person classes and Friday Academics with measures for social distancing and surveillance testing. This established our new normal, “hybrid” attendance, and helped revive connections with colleagues attending in person and accommodate those that could not.

Despite the inconveniences, we finally set foot again inside the Harvard School of Public Health. Strange to think, but some of us completed an entire Master’s Degree without ever being there. With the pandemic easing, the residents seized the opportunity for a fun weekend in Vermont, excited for the chance to get to know each other outside the frame of a laptop screen. The residency created a new rotation, giving us additional in corporate medicine, as well as in virtual and digital health. Unlike most programs, candidates for the 2024 class visited and interviewed in-person.

We worked through the technical challenges of being simultaneously in person and remote. Our world was a rapidly changing landscape of recommendations, myriad viral variants, vaccine hesitancy, and telehealth requirements. Omicron loomed darkly on the horizon while many of us celebrated Thanksgiving with family and friends, something we had sorely missed. The First-years finished out the year strong, earning a well-deserved break; while the Second-years finished half of their clinical rotations, ever closer to graduation. Not all was perfect, but we made it work.

I would like to extend a special thanks to our professors who made the best of our classes and preceptors who maintained excellent rotations. In particular, welcome to our new preceptors, Dr. Justin Yang and Dr. Mason Harrell, who created new and valuable experiences in such uncertain times.

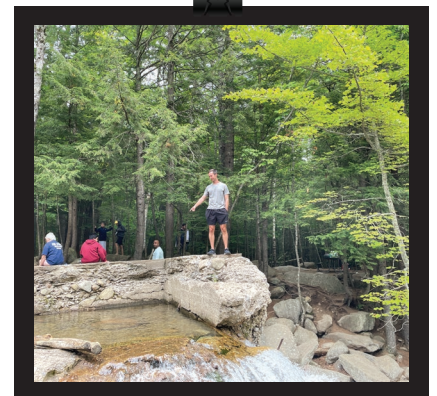
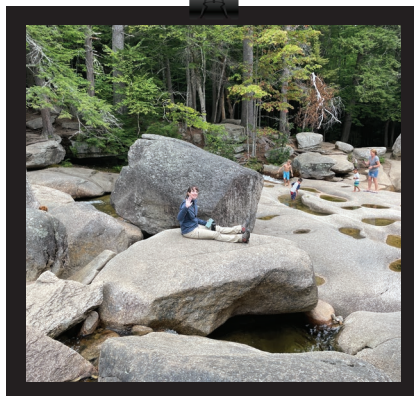
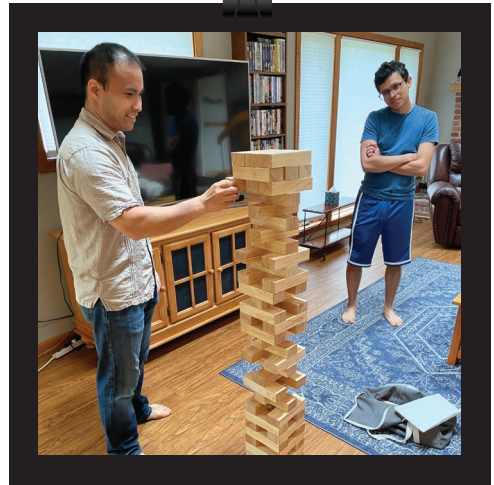
Spoiler alert: the new year would bring an inevitable surge, nonetheless, the pandemic had shifted towards endemic phase. All the while, Occupational Medicine remains a proven necessity and we are fortunate to be joining this community.

Warm regards,
Sam Ko



Sam Ko
MD, MPH (OEMR '22)

Resident Retreat in Vermont



ALUMNI SPOTLIGHT:



Peter C. Lee, MD, MPH (OEMR '09)

Global Medical Director, Amazon

Dr. Peter Lee has expansive expertise in pioneering positive change in the way companies view, improve, and impact the health of their employees and communities on a worldwide basis. After serving as chief resident at the Harvard Occupational and Environmental Medicine Residency Program, Peter joined the General Electric company leading the health function as Chief Medical Officer. During his tenure, Peter had the privilege of developing a team of experienced physicians and health experts both by region and business units. Together, the team created novel medical programs and services involving benefits design, executive health, mental health, travel assistance, and global health security. Whether it was the Paris terrorist shooting or the Ebola

outbreak in western Africa, Peter and his team cared for individuals and communities involved while maintaining business continuity. Significant investments were also made toward the company's wellness program, not only to advance the health of individuals but to transform the work environment so it was conducive to health. A global tobacco-free campus policy, physical health initiatives, and nutritional program redesign that incorporated incentive science were developed and adopted.

In 2020, Peter was asked to serve as Amazon's first Global Medical Director. As it was during the heart of the COVID-19 pandemic, he quickly established a team of cross-functional experts to support the response so that public health recommendations, including social distancing, masking, temperature checks, testing, and vaccination could be implemented. To drive innovation, his team was involved in the design of the next generation of masks, scientific investigations to identify the optimal balance between filters and ventilation in various environments, the development of rapid and accurate diagnostic tests, and additional studies in partnership with academic establishments, foundations, non-profit organizations, and public health institutions. Peter is proud to have played a part in maintaining operations as Amazon continued to deliver for customers and partners throughout the pandemic.

In addition to COVID-19 efforts, Peter and his team are responsible for the development of novel health strategies. One such effort is Amazon's neighborhood health centers, which provide employees and dependents with access to high-quality primary care. Additional same-day services include urgent care, physical therapy, chiropractic care, behavioral health, health coaching, and pediatric care. Designed with internal customers in mind, the clinic hours are extended to serve employees who work early and late shifts while wait times are minimized to under 5 minutes. By encouraging the formation of relationships with primary care providers, community ER capacity can be unconstrained to address appropriate health crises that arise.

Peter is enthusiastic and optimistic when thinking about the future of healthcare. At Amazon, he and his team have been exploring the possibilities that investments in health can create, especially the synergies with teams from research, pharmacy, care, devices, health outcomes, and software engineering. Through the creation of new technology that is grounded in science, together with the way global communities and societies are coming together, Peter believes the potential for foundational health transformation across the world is not only possible but imminent.

RESIDENT RECOGNITION

Dr. James Medeiros (OEMR '22) - One of the highlights of the 2021 MPH Capstone projects was the work of Dr. James Medeiros who focused his efforts on the often-overlooked issue of environmental noise pollution. Having experienced the issue firsthand by living adjacent to the Tobin Bridge, he sought to bring awareness to the community about the harmful effects of chronic noise exposure. A grassroots effort developed with many lines of effort working in parallel to include validating the hazard with dosimetry, partnering with local/state organizations, and engaging with elected leadership. The project has continued beyond the academic year as he continues to press for meaningful and actionable change to mitigate the noise emanating from the bridge. His project was featured in the resident's presentation portion of the December 2021 NECOEM conference. For more information on the topic check out the guest op-ed he authored in the Charlestown Patriot-Bridge.

James's interest in environmental noise pollution has sparked a passion that goes beyond a laudable local project and to think more globally. He currently sits on the scientific advisory council for the non-profit Quiet Communities. In September 2021, James was a signatory on a "Petition to Enforce the Noise Abatement and Control Act and the Quiet Communities Act" sent to EPA Administrator Michael Regan. The Harvard OEMR program is also looking forward to the results of his 2022 research project titled "Emission Testing: 2-Cycle Lawn & Garden Equipment." The proposal received funding approval from the Harvard-NIOSH Education and Research Center. Objectives include quantifying numerous emissions from real-world commercially used equipment in the context of EPA regulations and estimating worker exposure.

RECENT ALUMNI AND RESIDENT PUBLICATIONS

Lan FL, **Filler R**, Mathew S, Buley JE, Iliaki E, Bruno-Murtha LA, Osgood R, Christophi CA, Fernandez-Montero A, Kales SN. Sociodemographic risk factors for COVID-19 infection among Massachusetts healthcare workers: a retrospective cohort study. *Infect Control Hosp Epidemiol.* 2021, Jan 28:1-23. doi: 10.1017/ice.2021.17.

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OUTSTANDING CLINICAL AND ACADEMIC TEACHING AWARDS

Each year, OEMR residents elect one clinical preceptor from their clinical rotations and one faculty instructor from their master's in public health courses who have had an especially meaningful impact on their training and education to receive awards of recognition. In 2021, residents also recognized a member of the clinical support staff at Cambridge Health Alliance Occupational Health Clinic for her outstanding assistance to our residents.



Deb Barbeau,
MD, PhD, MSPH (OEMR '16)
received the 2021
Outstanding Clinical Faculty
Award



Edward Baker,
MD
received the 2021
Outstanding Academic
Faculty Award



Neetha Nathan
received the 2021 Out-
standing Clinical Support
Staff Award

IN THE NEWS:



Marie-Christine David, DO, MPH (OEMR '12)

Dr. David was recently named Medical Director of Global Grooming of P&G Gillette World Shaving Headquarters in Boston. Since 2019 the OEM Residents have been working with Dr. David collectively to expand the Gillette Ergonomics initiatives. From the floor of the production plant, site surveys were conducted and analyzed and recommendations were given to protect the well-being of the workers. While that work has continued, evaluating the changes, new challenges emerged with COVID. One such issue was the ergonomics of working from home and hybrid “agile office”. This project took shape over the last year and, with Dr. David’s guidance aligning residents’ individual efforts, has led to the initiative expanding to corporate sites across the globe. This has been a valuable experience for all the OEM Residents that have participated and remains a unique opportunity going forward.



DEAN HASHIMOTO, MD, JD (OEMR '88)

Boston College School of Law recently announced the promotion of Dr. Hashimoto to Full Professor of Law. Educated as both an attorney and physician, Dr. Hashimoto teaches torts, environmental litigation, and health care law and evidence. He is the faculty director for the Boston College Law School’s JD/MPH dual degree program with Tufts School of Medicine. A graduate of OEMR, Dr. Hashimoto received his postgraduate medical training at the Brigham and Women’s Hospital and the Harvard School of Public Health. He is a board-certified specialist in occupational and environmental medicine and serves as the Chief of Occupational Medicine at the Mass General Brigham. We congratulate Dr. Hashimoto on his accomplishments and his promotion.



JOHN HOWARD, MD, MPH, JD, MBA

On April 4th, Dr. Howard returned to HSPH as the guest speaker of the Monday Seminar Speaker Series sponsored by the T.H. Chan NIOSH Education and Research Center Environmental and Occupational Medicine and Epidemiology Program. Dr. Howard the Director of the National Institute for Occupational Safety and Health (NIOSH) in Washington, DC. Prior to his appointment to NIOSH he was the Chief of the Division of Occupational Safety and Health in the California Department of Industrial Relations, Labor and Workforce Development Agency. Dr. Howard is board-certified in Internal Medicine and Occupational Medicine. He is admitted to the practice of medicine and law in California and the District of Columbia and is a member of the U.S. Supreme Court Bar. Since 2011 he has served as the Administrator of the World Trade Center Health Program. He has authored numerous articles on occupational health law and policy. We thank Dr. Howard for his lecture titled “Cannabis and Work” and his commitment to occupational medicine.



HOWARD HU, MD, MPH, ScD (OEMR '82)

Dr. Hu was recently named the Flora L. Thornton Chair of the Department of Preventive Medicine of the Keck School of Medicine at the University of Southern California. Dr. Hu is the former Program Director of the Occupational and Environmental Medicine Residency Program (1996-2006) and is board-certified in Internal Medicine and Preventive Medicine. His many accomplishments include Founding Director at NIH/NIEHS Center for Children's Environmental Health, NSF International Chair of the Department of Environmental Health Sciences, and Founding Director of the NIH/NIEHS Environmental Health Core Sciences Center. Dr. Hu held tenure as a Professor of Environmental Health, Epidemiology, Global Health, and Medicine at the University of Toronto and Professor of Environmental Health, Epidemiology, and Medicine at the University of Michigan. His dedication to Public Health,

US and globally, is demonstrated through his work from his time as Senior Faculty Fulbright Scholar in India, serving with the Physicians for Human Rights and International Physicians for the Prevention of Nuclear War to name a few, leaving lasting impacts on our world. His contribution to over 300 publications, many award-winning, has greatly advanced our understanding of Environmental Health. We congratulate him on his many successes and wish him the best in his new role.

Abejie Belayneh, MD, MPH (OEMR '06)

A 2006 OEMR graduate, Dr. Belayneh is currently a Clinical Professor of Medicine at the University of California San Francisco. While in the residency program, he served as Chief Resident. Like many other residents, during his years in Boston, he had a young family, including his daughter Yabby who was three years old at the time. Yabby is currently a freshman at Harvard College. On behalf of the OEMR program, we extend our best wishes to Yabby and welcome her back to Boston. We further congratulate Dr. Belayneh and his family.



Yabby and her dad



AOHC 2006 - New Orleans, LA
Dr. Abejie Belayneh, Dr. Kales,
and
Dr. Jesse Geibe (OEMR '06)

AOHC 2021

Amid the ongoing pandemic, the 2021 American Occupational Health Conference was held virtually by the American College of Occupational and Environmental Health. Attendees nevertheless learned from outstanding presentations from world experts. The OEMR second-year residents were in attendance. Among the residents to be invited to present at the Resident Research Abstract Competition was Chief Resident, Dr. Samuel Ko. His presentation was titled “Decompression sickness rates in underwater divers utilizing air surface decompression vs oxygen surface decompression”.



NECOEM - 2021

The New England College of Environmental and Occupational Medicine (NECOEM) was held in December in a hybrid format. The prestigious Harriet Hardy Award was presented to Dr. Michael Hodgson, Director of the Occupational Safety and Health Administration (OSHA). The following oral presentations were contributed by OEMR residents.

Oral Presentations:

Dr. Alex Jobrack - Following the Efficacy of COVID-19 Vaccination in a Healthcare Worker.

Dr. Samuel Ko - Returning to the Friendly Skies - Post-COVID Flight Clearance for FAA.

Dr. James Medeiros - Environmental Noise Pollution & Tobin Bridge Mitigation.

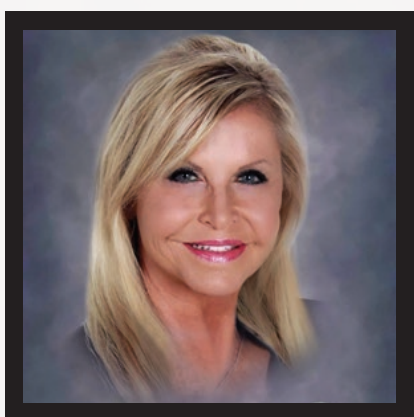
MEDLOCK MEMORIAL SYMPOSIUM - A CELEBRATION OF NYLA

On December 2, 2021, a memorial symposium was held at the 2021 NECOEM conference to celebrate Nyla Medlock's legacy. The hybrid event was jointly sponsored by the Harvard Chan Occupational Medicine Residency Program and NECOEM. Over \$25,000 was raised for two new scholarships at NECOEM. The NECOEM Nyla Medlock Scholarship Funds will benefit women students/residents with travel stipends to attend AOHC (ACOEM's annual conference) and will also provide stipends for new women-owned businesses to exhibit at NECOEM. Symposium speakers included: Dr Robert Bourgeois, President of ACOEM; Dr. Kenji Saito, President of NECOEM & ACOEM Vice-President; Dr. Bill Buchta, past ACOEM President; Dr. Nimisha Kalia, Medical Director, General Electric; Dr. Judith MacKenzie, Prof. & Executive Director for Health, Safety and Environment for Johns Hopkins University and the Johns Hopkins Health System; Dr. Stefanos Kales, Professor & Director Harvard Chan OEMR Program and Ms. Gayle Medlock of Medlock Consulting.



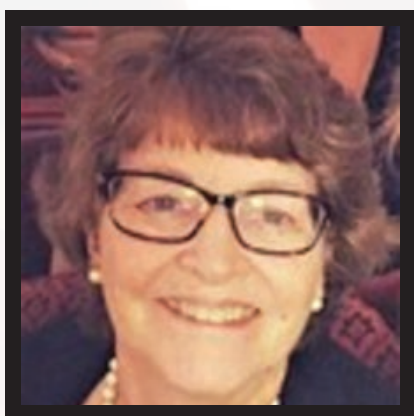
IN MEMORIAM

This past year the Occupational and Environmental Medicine family lost outstanding contributors to our field and program. We honor them here.



NYLA MEDLOCK

On March 10, 2021, we were deeply saddened to hear of the passing of a dear friend, and colleague, Ms. Nyla Medlock. Nyla was a long-time benefactor and supporter of OEMR. She was the founder and Chief Operating Officer of Medlock Consulting, a firm specializing in the recruitment of occupational medical professionals. She was the recipient of many accolades and awards for her work, including the 2019 American College of Occupational and Environmental Presidential Award. Among her many accomplishments, Nyla remarked being most proud of the Harvard School of Public Health Nyla Medlock Occupational and Environmental Medicine Fellowship Fund which on her behalf provides financial support to residents in the OEM residency program. She is remembered for a life well-lived, her smile, and her undeniable presence. She will be profoundly missed. (Adapted from Lake Ridge Chapel website, March 17, 2021)



EILEEN STOREY, MD, MPH

On September 26, 2021, our program lost a good friend and colleague, Dr. Eileen Storey. Dr. Storey was a leader in occupational medicine who served for many years as a member of the OEMR's Residency Advisory Committee and the Program Evaluation Committee. A dedicated physician and public health advocate, she devoted her career to bettering the health and safety of the workforce, teachers, coal miners, nurses, welders, factory workers, and more. She was one of many who created the occupational and environmental health medical specialty. Dr. Storey was the retired Chief of the Surveillance Branch, Respiratory Health Division at the National Institute of Occupational Health and Safety, as well as Professor Emerita of Medicine at the University of Connecticut Health Center. A graduate of Radcliffe College, Harvard Medical School, and the Harvard School of Public Health, Dr. Storey trained in internal medicine at West Virginia University. Dr. Storey is remembered for her deep concern for others and her endless extraordinary generosity and patience. She will be deeply missed. (Adapted from the Boston Globe Sept. 29, 2021)

DONOR RECOGNITION:

This list reflects donations to the HSPH OEMR for the 2021 Calendar Year.

\$5,000 and above

Dr. Sam Forman
Dr. Stefanos
and Mrs. Ana Kales

UP TO \$750

Dr. Eric D. Amster Ms. Dianne Plantamura
Dr. Kenneth R. Spaeth Ms. Melissa Ehrenreich
Dr. John Burress MARCOEM

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Thank you to our Generous Supporters!

Donate to Resident Education at OEMR

Yes! I want to donate to HSPH OEMR. Donating is easy, you can donate online here.

Please make a note that your gift is for the HPSH OEMR Program (Nyla Medlock Endowed Fund or the OEMR Gift Fund) or you can complete the following section and enclose it with your payment. Please contact Mr. John Yong at jyong@hsph.harvard.edu or 617-432-2219 for assistance.

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Please make checks payable to Harvard University, with memo for OEMR Gift Fund or Nyla Medlock Fund.

Please mail to:

Mr. John Young

Environmental Health

Harvard School of Public Health


665 Huntington Ave

Boston, MA 02115

We want to hear from you!


Did you relocate and accept a new position? Have you been promoted? Do you have family or other news that you would like to share? Let OEMR and your colleagues know what you are up to and stay connected by emailing: crodriguez@hsph.harvard.edu

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Best wishes to the OEM Residents and
Graduates at Harvard School of Public Health


Thomas H. Winters, MD, FACOEM, FACPM
Lee Okurowski, MD, MPH, MBA
Deborah N. Barbeau, MD, PhD, MSPH
and Team

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