

List of Funded Pilot Projects (2012-2020)

2020

| PI | Mentor (if applicable) | Institution | Project Title |
|------------------------------------|---------------------------------------|---|--|
| Lauren Ghazal, MS (PhD cand.) | Victoria Vaughan Dickson, PhD, RN | New York University | Exploring multilevel factors impacting quality of life in working young adult cancer survivors |
| Sahand Hajifar (PhD cand.) | Hongyue Sun, PhD Lora Cavuoto, PhD | University at Buffalo | A Data-driven Framework for Task Recognition via Wearable Sensors for Electric and Gas Workers |
| Sergio Augusto Caporali-Filho, PhD | | University of Puerto Rico | Effects of air density on aerosol transport velocity capability in a local exhaust ventilation system |
| Rabeesa Khan, MD (MPH cand.) | John Meyer, MD, MPH Andy Todd, PhD | Icahn School of Medicine at Mount Sinai | Lead Exposure in Communication Workers in New York City |
| Paul Landsbergis, PhD, MPH | | SUNY Downstate | Evaluation of Relationship between Occupational Health and Organizational Structure |
| Nimit Shah, MPH (PhD cand.) | Judith Graber, PhD | Rutgers University | Exploring the Challenges and Facilitators to Physical Health in Volunteer Firefighters Across their Tenure |

2019

| PI | Mentor (if applicable) | Institution | Project Title |
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| Andrew Karasick, MD, MPH, MBA (Resident/Fellow) | Judith Graber, PhD Michael Gusmani, PhD Iris Udasin, MD | Rutgers University | An Assessment of Healthcare Access and Utilization in the World Trade Center Health Monitoring Program |
| Candace Tannis, MD (MPH cand.) | John Meyer, MD, MPH | Icahn School of Medicine at Mount Sinai | Work Accommodation and Pregnancy Outcomes in High Risk Women |
| Danielle Wald (PhD cand.) | Zhiqing Zhou, PhD Erin Eatough, MD | CUNY Baruch College & The Graduate Center | In the Eye of the Beholder: A Daily Diary Investigation of Appraisals and Attributions of Illegitimate Tasks |
| Salvatore Crusco, MD (MHP cand.) | Ismail Nabeel, MD PhD | Icahn School of Medicine at Mount Sinai | Utilizing Natural Language Processing (NLP) and Machine Learning (ML) to Predict Acuity and Return to Work Timeline for Patients With Lower Back, Knee, and Shoulder Pain |
| Shira Schechter Weiner, PhD | | Touro College | A Framework for preparing clinicians for the clinical challenges of the Opioid crisis |
| Tamar Nobel, MD (MPH cand.) | Celia Divino, MD | Icahn School of Medicine at Mount Sinai | Work-Related Musculoskeletal Disorders Among Surgical Trainees |

2018

| PI | Mentor (if applicable) | Institution | Project Title |
|-----------------------------|------------------------|---|---|
| Qian Zhang (PhD cand.) | Lora Cavuoto, PhD | University at Buffalo | Evaluating the effects of obesity on lifting kinematics during construction work |
| Brian Pavilonis, PhD | | CUNY, Public Health and Health Policy | Assessment of ventilation and indoor air pollutants in nail salons |
| Malika Garg, MD (MPH cand.) | John Meyer, MD, MPH | Icahn School of Medicine at Mount Sinai | Maternal Occupation and Hypertensive Disorders of Pregnancy |
| Katia Costa-Black, PhD | | New York University | Implementing an ergonomics program at an animal research facility: a process evaluation pilot study |

2017

| PI | Mentor (if applicable) | Institution | Project Title |
|---------------------------------------|------------------------|---|--|
| Stuart Cohen, MD | | Northwell School of Medicine | Screening for lung disease, cardiovascular disease and malignancy in asbestos-exposed workers. |
| Leon Levine (DrPH cand.) | Frank Mirer, PhD, CIH | CUNY School of Public Health | The direct effects of elevated carbon dioxide levels on teachers' health |
| Feng Lin, PhD / Wenyao Xu, PhD | | University at Buffalo | In situ balance monitoring in construction field using an unobtrusive footwear device |
| Amy Witkoski Stimpfel, PhD | | New York University, College of Nursing | Organization of work factors associated with work ability in older nurses |
| Luckshman Coomaringam, MD (MPH cand.) | Homero Harari, PhD | Icahn School of Medicine at Mount Sinai | Occupational Exposures and Health in Scenic Artists in New York City |

2016

| PI | Mentor (if applicable) | Institution | Project Title |
|-------------------------------------|---|---|--|
| Elizabeth Geltman, PhD | | CUNY School of Public Health | Evaluation of Soil Vapor Exposure in Workers |
| Ismail Nabeel, MD / Parag Sheth, MD | | Icahn School of Medicine at Mount Sinai | Development of the Return to Work Guidelines for Low Back Pain Patients in a Primary Care setting. |
| Elizabeth Millbank, MD (MPH cand.) | John Meyer, MD, MPH | Icahn School of Medicine at Mount Sinai | Pregnancy and work accommodations |
| Shira Weiner, PhD | | Touro College | Assessment of novice clinician management of acute nonspecific low back pain: do they know what to do? |
| Preethi Rajan, MD (Resident/Fellow) | Harly Greenberg, MD Jaqueline Moline, MD | North Shore-LIJ | Pathophysiology and treatment outcomes of obstructive sleep apnea in World Trade Center exposed individuals |
| Megan Horton, PhD | | Icahn School of Medicine at Mount Sinai | magnetic resonance imaging and positron emission tomography to examine the cardiovascular effects of welding fume exposure |

2015

| PI | Mentor (if applicable) | Institution | Project Title |
|------------------------------|------------------------|--------------------------------|--|
| Mojdeh Pajoutan (PhD cand.) | Lora Cavouto, PhD | SUNY Buffalo | Influence of obesity on muscle fatigue development |
| Brian Pavilonis, PhD | | Hunter College | Occupational exposure to cooking fumes in restaurant kitchens in NYC |
| Denise Gaughan, ScD | | Mount Sinai School of Medicine | Magnetic Resonance Imaging and Positron Emission Tomography to examine the cardiovascular effects of welding fume exposure |
| Stephanie Myers (DrPH cand.) | Paul Landsbergis, PhD | SUNY Downstate | Association of stress and obesity: analysis of NIOSH Quality of Work Life Surveys |
| Jonathan Dropkin, ScD | | North Shore-LIJ | Workers' compensation claims and treatment of musculoskeletal injuries among Equity actors. |

2014

| PI | Mentor (if applicable) | Institution | Project Title |
|----------------------------|------------------------|------------------------------------|--|
| Evanda V. Henry (MS cand.) | Arijit Sengupta, PhD | New Jersey Institute of Technology | Estimation of low back loading in bedside care: the importance of bed positioning to patient handling task |

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| Hicham Alnachawati MD, MPH (Resident/Fellow) | Winston Kwa, MD, MPH | Mount Sinai School of Medicine | External ambulatory service utilization among WTC program enrollees at Mount Sinai |
| Shannon Widman, MPH (PhD cand.) | Grace N. Sembajwe, DSc Lew Pepper, MD | Queens College | Beryllium-related disease: a case control study of U.S. Department of Energy workers |
| Norman Zuckerman, MS | | Mount Sinai School of Medicine | Women in construction: PPE, tools and workstations |
| Amy Witkoski Stimpfel, PhD, RN | | New York University | Newly licensed nurses at risk: evaluating the association between work hours and occupational injury |
| Sadie Sanchez, MD (Resident/Fellow) | William Holden, PhD | Mount Sinai School of Medicine | Cardiovascular outcomes and cognitive impairment among adults exposed to the 9/11 WTC disaster |

2013

| PI | Mentor (if applicable) | Institution | Project Title |
|---|------------------------|-----------------------------------|--|
| Norman Queseda, MD (Resident/Fellow) | Winston Kwa, MD, MPH | Mount Sinai School of Medicine | Occupational medicine education exposure assessment during medical school based on residents' perspective |
| Grace N. Sembajwe, DSc | Franklin Mirer, PhD | Hunter College | Analysis of OSHA data initiative (ODI) injury/illness rates from 1996 to 2010 |
| Jonathan Dropkin, ScD, PT | | North Shore-LIJ | Qualitative and quantitative research methods for Emergency Medical Service workers |
| Hemant Sarin, MD (Resident/Fellow) | Winston Kwa, MD, MPH | Mount Sinai School of Medicine | Pathophysiology of toxicant-induced fibrosis and solid malignancy |
| Manny Halpern, PhD | | New York University | The effects of feedback on changing safe body mechanics of dentistry students in the lab |

2012

| PI | Mentor (if applicable) | Institution | Project Title |
|--|---|-----------------------------------|--|
| Jeffrey Snyder, MA (PhD cand.) | Ali Sheikhzadeh, PhD | New York University | A comparison of the effects of shoulder muscle fatigue caused by sustained overhead activity on scapulothoracic kinematics in younger and older populations |
| Perry Sheffield, MD, MPH | | Mount Sinai School of Medicine | Workplace productivity measures and high temperatures in non-climate controlled small enterprise in Nicaragua |
| Sherri Weiser, PhD | | New York University | How do expectations impact recovery after a musculoskeletal injury? A follow up analysis |
| Ken Spaeth, MD, MPH | | North Shore-LIJ | Health effects assessment of chronic trichloroethylene exposure in staff at a Bronx elementary school |
| Elizabeth Scott Hill, LCSW (PhD cand.) | Susan Teitelbaum, PhD Mitchel Rosen, PhD | Mount Sinai School of Medicine | Identifying WTC responders' preferences for persuasive messaging content, sources, and channels to increase participation in the World Trade Center Health Program |
| Shira Schecter Weiner, PhD, PT | | New York University | Effect of foam density on pressure mapping and comfort: application to seat design |