

Health Equity Honors

The Health Equity Honors program highlights research that advances our departmental and institutional commitment to health equity. We believe that research in every domain of scientific discovery is crucial for advancing health equity in clinical care and outcomes. Understanding the mechanisms of disparity informs our collective ability to design healthcare that serves the unique needs of every patient. Submissions were selected for this honor if they explored any aspect of health equity, including:

- Characterizing mechanisms of disparity
- Investigating populations associated with inequities
- Evaluating interventions aimed at promoting equity / addressing disparities
- Advancing educational programs to disseminate information on equity

2023 Health Equity Honorees

An evidence-based cognitive aid to optimize clinical recognition and care for individuals experiencing human trafficking (Global Health)

Milner, Gabrielle; Williams, Kelly; O'Connor, Katie J.

Assessing the impact of oxygen implementation: a comparative study in the Gambia (Global Health)

Chinedozi, Imaobong; Ekwere, Ifeoma; Degu, Selam; Kangakan, Sabina; Camara, Isatou; Sampson, John

Beyond the numbers: valuing the diversity within an early pilot study to improve the minority SRNA experience through CRNA connection (Education & Advancement)

Dupree, Morgan; O'Neal, Jerrica; Sharifi, Sheba; Banks, Michael C.; Bastardi, Lukeythia A.; O'Connor, Katie J.

Challenges in the implementation of alternative oxygen treatment and energy solutions for health facilities in low- and middle-income countries (Global Health)

Ekwere, Ifeoma; Degu, Selam; Sampson, John

Characterizing health disparities in rehabilitation for critically ill children (Critical Care 2)

Garg, Anjali; Hernandez, Raquel; Kudchadkar, Sapna

Communication between adipocytes and cardiomyocytes that leads to cardiac dysfunction during obesity (Basic Science 2)

Moncy, Achala; Das, Sam; Vasanthi, Hannah

Comparative analysis of intravenous infusion methods for low-resource settings (Global Health)

Tomobi, Oluwakemi; Avoian, Samantha; Ekwere, Ifeoma; Waghmare, Shivani; Diaban, Fatima; Davis, Gabrielle; Sy, Yacine; Ogbonna, Oluchi; Streete, Kevin; Aryee, Ebenezer; Kulasingham, Vasanthini; Sampson, John

Comparing pain and disability in spine surgery patients randomized to spinal vs. general anesthesia (Clinical & Translational Research I)

Wayson, Grace; Yanek, Lisa; Feleke, Nathaniel; Brown, Charles H.

Dendrimer-conjugated N-acetyl cysteine in a pediatric rabbit model of central nervous system tuberculosis affects amyloid deposition (Basic Neuroscience)

Damiba, Nelly; Sah, Nirnath; Erice, Clara; Kim, John; Sharma, Anjali; Liyanage, Wathsala GHM; Kannan, Rangaramanujam; Jain, Sanjay; Kannan, Sujatha; Tucker, Elizabeth

Development, implementation, and evaluation of a rapid response system at a Nigerian teaching hospital, a novel idea in Sub-Saharan Africa (Global Health)

Ariyo, Promise; Lee, Sabair; Latif, Bankola, Femi; Egbuta, Chinyere; Sampson, John; Winters, Bradford

Effect of menopause on vascular stiffening: LOXL2 as a therapeutic target (Clinical & Translational Research 2)

Martinez Yus, Marta; Santhanam, Lakshmi

Effects of sevoflurane exposure on neural development: an in vitro study using human iPSC derived brain organoids (Pediatric Science)

Li, Qun; Ding, Lixuan; Modiri, Navid; Raj, Ritwit; Smirnova, Lena; Mintz, Cyrus

Experiences with PICU communication among low-income families (Critical Care 1)

Kemper, Emily; Kudchadkar, Sapna, MD

Eye-tracking to optimize the user experience design of a digital goals-of-care decision aid for patients with severe acute brain injury (Critical Care 2)

Sivakumar, Shravan; Alrefae, Doaa; Zhang, Lidan; Ge, Connie; Meraj, Shazeb; Tulu, Bengisu; Djamasbi, Soussan; Muehlschlegel, Susanne

EZH2 in primary sensory neurons contributes to the development of neuropathic pain (Basic Neuroscience)

Liu, Jing; Uniyal, Ankit; Zhang, Chi; Cui, Xiang; Zhu, Guangwu; He, Shao-Qui; Wang, Xuewei; Zhou, Fengquan; Raja, Srinivasa N; Guan, Yun

Female sex associated with decreased postoperative adverse outcomes among preoperative iron deficiency anemia cardiovascular surgical patients (Clinical & Translational Research 2)

Choi, Una; Nicholson, Ryan; Hensley, Nadia

Functional profiling of resident cells during vascular aging (Basic Science 1)

Brady, Travis; Gerecht, Sharon; Santhanam, Lakshmi

Greater than 7-fold return on investment for a comprehensive patient blood management program with equivalent or improved outcomes (Quality & Systems Improvement)

Frank, Steven M.; Thomas, Ananda; Hensley, Nadia B.; Tobian, Aaron M.; Dawson, Clarita G.; Lee, Ken M.; Lo, Brian D.; Resar, Linda, M.S.; Cruz, Nicolas C.; Crowe, Elizabeth M.

I can't breathe: a history of disparities in anesthesiology and critical care for underserved populations: the origins of the disparities, and their historical development over the years in Banjul, The Gambia (Global Health)

Tomobi, Oluwakemi; Oyefolu, Remi; Chinedozi, Imaobong; Lewis, Justine; Ekwere, Ifeoma; Cruz, Serena; Olatunji, Bolusefe; Faponle, Folayemi; Bittaye, Mustapha; Jabang, John; Sampson, John

Impact assessment of increased oxygen access at Edward Francis Small Teaching Hospital in The Gambia (Global Health)

Oyefolu, Oluremilekun; Ariyo, Promise; Degu, Selam; Calvin, James; Sampson, John

Impact of anesthesiology interest groups for medical students in West African countries (Global Health)

Lewis, Justine; Ampem-Darko, Kweku; Rogers, Chelsea; Sampson, John; Ariyo, Promise

Implementing pathways to anesthesiology: promoting diversity, equity, inclusion, and success (Quality & Systems Improvement)

O'Connor, Katie J.; Young, Lisa; Banks, Michael C.

Pathways in Medicine Discovery Lab (PMDL): Characteristics of medical students interested in an academic medicine pathway program (Education & Advancement)

O'Connor, Katie J.; Ezeigwe, Angelica K.; Young, Lisa; Banks, Michael C.

Perioperative ketamine reduces postoperative opioid prescriptions in opioid-naïve patients: a propensity-matched registry cohort analysis (Clinical & Translational Research 2)

Nicholson, Ryan; Choi, Una; Frank, Steven

Post-traumatic depressive-like symptoms in adult rats following ratCHIMERA repetitive traumatic brain injury (Basic Neuroscience)

Allende Labastida, Javier; Avalos, Maria Paula; Vyas, Preeti; Liu, Jinhuan; Koehler, Raymond C; Kannan, Sujatha

Prevalence and predictors of shared decision-making in goals-of-care clinician-family meetings for critically ill neurologic patients: a multi-center mixed-methods study (Critical Care 2)

Fleming, Victoria; Prasad, Abhinav; Ge, Connie; Crawford, Sybil; Meraj, Shazeb; Hough, Catherine L.; Lo, Bernard; Carson, Shannon S.; Steingrub, Jay; White, Douglas B.; Muehlschlegel, Susanne

Propofol TIVA compared to inhalational anesthesia is associated with improved 7-day postoperative outcomes and fewer opioid prescriptions (Clinical & Translational Research 1)

Choi, Una; Nicholson, Ryan; Phelps, Michael; Akca, Ozan; Frank, Steven

Sex-dependent phosphorylation of Argonaute 2 reduces the mitochondrial translocation of miR-181c and induces cardioprotection in HFD female mice (Basic Science 2)

Quiroga, Diego; Roman, Barbara; Salih, Marwan; Daccarett-Bojanini; Garbus, Haley; Ebenebe, Obialunma; Dodd-o, Jeffrey; O'Rourke, Brian; Kohr, Mark; Das, Samarjit

Streamlining intake and scheduling of anesthetic services in pediatric patients with special considerations undergoing basic medical procedures (Quality & Systems Improvement)

Nyhan, Aoibhinn; Carullo, Philip; Davis, Kelsey

T cells contribute to the development and maintenance of cold allodynia and spatial gait impairment in paclitaxel-induced peripheral neuropathic pain (Basic Science 2)

Bakare, Ahmed Olalekan; Sivanesan, Eellan

The rat CHIMERA model induces sex differences in mortality and behavioral outcomes after repetitive traumatic brain injury (Basic Neuroscience)

Allende Labastida, Javier; Moghadas, Babak; Wan, Jieru; Bibic, Adnan; McCabe, Joseph; Korotcov, Alexandru; Albanese, Christopher; Rodriguez, Olga; Burns, Mark; Febo, Marcelo; Kobeissy, Firas H.; Wang, Kevin; Harris, Neil; Wanner, Ina-Beate; Huie, J. Russell; Ferguson, Adam; Zhou, Jinyuan; Koehler, Raymond C.

Trauma-informed care education for anesthesiology residents (Education & Advancement)

O'Connor, Katie J.; Young, Lisa; Young, Sara

Trauma-informed care needs assessment at an asylum-seeker services clinic (Global Health)

van Gelderen, Evelien; Bercovitch, Sascha; Young, Lisa; O'Connor, Katie J.