Harvard Catalyst Summer Clinical and Translational Research Program (SCTRP) Final Presentations

Sponsor: Harvard Catalyst brings together the intellectual force, technologies, and clinical expertise of Harvard University and its affiliates and partners to reduce the burden of human illness.

Established in 2008, Harvard Catalyst | The Harvard Clinical and Translational Science Center is dedicated to improving human health by enabling collaboration and providing tools, training, and technologies to clinical and translational investigators. As a shared enterprise of Harvard University, Harvard Catalyst resources are made freely available to all Harvard faculty and trainees, regardless of institutional affiliation or academic degree.

For more information on Harvard Catalyst visit: http://catalyst.harvard.edu

Harvard Catalyst: The Harvard Clinical and Translational Science Center Program for Faculty Development and Diversity Inclusion (PFDD)

Under the leadership of Dean Joan Y. Reede, MD, MPH, MS, MBA, the Program for Faculty Development and Diversity Inclusion emphasizes the recruitment and retention of a diverse clinical and translational workforce as a top priority throughout Harvard Catalyst governance, programming, training, and resource allocation.

For more information on PFDD visit: http://catalyst.harvard.edu/programs/diversity/

Office for Diversity Inclusion and Community Partnership

The Office for Diversity Inclusion and Community Partnership (DICP) at Harvard Medical School (HMS) was established to promote the increased recruitment, retention and advancement of diverse faculty, particularly individuals from groups underrepresented in medicine (URM), at HMS and to oversee all diversity and inclusion activities involving HMS faculty, trainees, students and staff.

DICP’s Minority Faculty Development Program (MFDP), established in 1990, sponsors programs for the development of HMS faculty, with an emphasis on mentoring and leadership, as well as programs that are designed to reach out to the pre-college and college populations with the goal of bringing outstanding students, particularly URM students, into the pipeline. Under the aegis of MFDP, there are several programs that are designed to nurture and encourage talented students interested in careers in medicine and/or the biomedical sciences.

For more information on DICP visit: https://mfdp.med.harvard.edu/

A SPECIAL THANK YOU TO ALL THE HARVARD CATALYST PROGRAMS, PARTNER INSTITUTIONS AND AFFILIATES.
Joshua Owili, Old Dominion University
“Deep Learning for Automated Detection and Characterization of Pulmonary Tuberculosis on a Chest X-ray”
Mentor: Synho Do, PhD
Laboratory of Medical Imaging and Computation and Rapid Collaboration Hub (RCH), Massachusetts General Hospital

Brittnie Cannon, University of Michigan - Flint
“Burnout Among Staff in a Home Hospital Pilot Study”
Mentor: David Levine, MD, MPH, MA
General Internal Medicine and Primary Care, Brigham and Women’s Hospital

Elizabeth Saxe, Ave Maria University
“Videogame Use Among Youth at Risk for or Diagnosed with a Psychotic Disorder”
Mentor: Kristen Woodberry, MSW, PhD
Program for Psychosocial Protective Mechanisms, Beth Israel Deaconess Medical Center

Laveen Khoshnaw, University of Colorado at Colorado Springs
“Identification of a Novel Therapeutic Target for the Treatment of Tuberous Sclerosis Complex”
Mentors: Carmen Priolo, MD, PhD, and You Feng, PhD
Priolo Lab, Brigham and Women’s Hospital

Kimberly Juarez, Syracuse University
“Assessing Reproductive Health Outcomes Among Sexual Minority Girls and Women: A Systematic Review”
Mentor: Brittany Charlton, MSc, ScD,
Sexual Orientation and Gender Identity and Expression (SOGIE) Working Group, Boston Children’s Hospital

Jared Bourke, Hampton University
“The Effect of Temperature on FGF-21 Mediated Adaptation to Ketogenic Diet”
Mentors: Eleftheria Maratos-Flier, MD, Garima Singhal, PhD, and Marie Mather
Flier & Maratos-Flier Lab, Beth Israel Deaconess Medical Center

Quynh (Sophie) Nguyen, The University of Texas at Austin
“Using Mass Spectrometry for Rapid Identification of Bacteria Species Directly from Blood”
Mentors: Michael Super, PhD, and Shannon Duffy
Wyss Institute for Biologically Inspired Engineering

Annalia Ramos, Dalton State College
“Developing a Method to Discover New Compounds that Target Lipid II”
Mentors: Suzanne Walker, PhD, Wonsik Lee, PhD, and Truc Do
Department of Microbiology and Immunobiology, Harvard Medical School

Ayooluwa Douglas, Duke University
“Neural Signatures of Face Detection and Recognition”
Mentors: Joseph DeGutis, PhD, Elyana Saad, PhD, and Joseph Arizpe, PhD
Boston Attention and Learning Laboratory, Veterans Affairs Boston Healthcare System (VABHS)

RECEPTION TO FOLLOW