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 in 2002 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 activities involving HMS faculty, trainees, students and staff.

DICP’s Minority Faculty Development Program (MFDP) offers consistent programming that is responsive to identified needs of individuals and institutions and serves as a nexus for collaborative work among HMS, HMS-affiliate faculty development programs and/or diversity/multicultural affairs offices. In addition, MFDP addresses issues of increasing the pool of minority and disadvantaged students interested in careers in science and medicine, and has built a three-pronged effort to encourage URM and disadvantaged students from all levels of the educational pipeline to pursue biomedical, STEM and health-related careers. Programs begin as early as the middle school level and carry on through the postgraduate level and involve curriculum development, teacher training, enhancing student research, and career development.

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.
The Harvard Catalyst Program for Faculty Development and Diversity Inclusion at Harvard Medical School

2016 Summer Clinical and Translational Research Internship Program Final Presentations

Opening Remarks and Introduction
Dean Joan Y. Reede, MD, MPH, MS, MBA
Professor of Medicine
Dean for Diversity Inclusion and Community Partnership
PFDD Program Director
Harvard Medical School

Student Presentations

Mariana Serrano, Eastern Connecticut State University
"Anticoagulation After Bioprosthetic Aortic Valve Replacement: Long-term Outcomes"
Mentors: Jacquelyn Quin, MD, Annette Phillips and Jennifer Gabany
Veterans Affairs Boston Healthcare System (VABHS), Cardiac Surgery Research

Alexander Jeremiah, Tufts University
"Exploring epigenetic markers due to environmental stress and trauma in the Republic of Sierra Leone."
Mentors: Bernardo Lemos, PhD, and Li Lin
Harvard T.H. Chan School of Public Health, Lemos Laboratory

Breland Crudup, Tougaloo College
“Medical Image Registration: Measuring the Tradeoff between Manual Label Overlap and Regularization”
Mentors: Iman Aganj, PhD, and Bruce Fischl, PhD
Massachusetts General Hospital, Martinos Center for Biomedical Imaging, Laboratory for Computational Neuroimaging

Alexandra Capellini, Johns Hopkins University
“Using Machine-Learning Algorithms to Predict Mutation Status in High-Grade Gliomas”
Mentor: Raymond Huang, MD, PhD
Brigham and Women’s Hospital, Department of Neuroradiology

Bethel Yeshiwas, University of Virginia
“Advancing Stroke Diagnoses: Locating Ischemic Infarct in CT Imaging Using Machine Learning with Big Data”
Mentor: Synho Do, PhD
Massachusetts General Hospital, Laboratory of Medical Imaging and Computation and Rapid Collaboration Hub

Eseosa Odigie, Cornell University
Mentor: Romilda Lacson, MD, PhD
Brigham and Women’s Hospital, Center for Evidence Based Imaging

Garlyn Colas, Johns Hopkins University
“Reaching New Perspectives: Testing the Role of Semantic Associative Training as a Psychotherapeutic Intervention”
Mentor: Einat Liebenthal, DSc
Brigham and Women’s Hospital, Functional Neuroimaging Laboratory

Trevon Waters, Norfolk State University
“Inducing Angiogenesis to Promote Healing of Chronic Diabetic Wounds: In Vivo Effects of miRNA Combinations in a Diabetic Murine Model”
Mentors: Dennis P. Orgill, MD, PhD, and Giorgio Giatsidis, MD
Brigham and Women’s Hospital, Department of Surgery, Division of Plastic Surgery, Tissue Engineering and Wound Healing Laboratory

Grace Ahn, Cornell University
Mentors: Alexander Lin, PhD, and Min Zhao, MBBS
Brigham and Women’s Hospital, Center for Clinical Spectroscopy

Keturah Kiper, University of Arkansas
“Optimizing Pathogen Fixation Method to Screen Lectins”
Mentors: Michael Super, PhD, Anna Waterhouse, PhD, and Alex Watters, PhD
Wyss Institute for Biologically Inspired Engineering

RECEPTION TO FOLLOW