

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.

Founded 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 available to all Harvard faculty, 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)

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 in governance, programming, training, and resource allocation.

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

For more information on VRIP visit: <https://mfdp.med.harvard.edu/dcp-programs/medicalgraduate/visiting-research-internship-program-vrip>

For more information on SCTRP visit: <https://mfdp.med.harvard.edu/dcp-programs/college-program-college-students-summer-clinical-and-translational-research-program>

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 underrepresented minority (URM) faculty, at HMS and to oversee all diversity and inclusion activities involving HMS faculty, trainees, students and staff.

DICP's Minority Faculty Development Program (MFDP) 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: <httphttps://mfdp.med.harvard.edu/>

A SPECIAL THANK YOU TO ALL THE HARVARD CATALYST PARTNER INSTITUTIONS AND AFFILIATES



HARVARD
MEDICAL SCHOOL



OFFICE FOR DIVERSITY INCLUSION & COMMUNITY PARTNERSHIP



THE HARVARD CLINICAL
AND TRANSLATIONAL
SCIENCE CENTER

HARVARD CATALYST PROGRAM FOR FACULTY DEVELOPMENT AND DIVERSITY INCLUSION

2014

Summer Clinical and Translational Research Program

Student Presentations

Thursday August 14, 2014

9:00am-12:00pm

Benjamin Waterhouse Room

Gordon Hall

Harvard Medical School



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

**2014 Summer Clinical and Translational Research Internship Program
Final Presentations**

Opening Remarks and Introduction
Carol A. Martin, MPA, PFDD Program Manager

Student Presentations

Tania Benjamin, California State University, Northridge
“Discovery of New OGT Substrates by Protein Microarray”
Mentors: Suzanne Walker, PhD and Chenguang Fan, PhD
Harvard Medical School

Isaiah Cochran, Waynesburg University
“Behavioral Study of Autism Spectrum Disorder Investigating Differences Between ASD and no-ASD in Males and Females”
Mentors: Charles Nelson, PhD; Kandice Carcin, PhD
Boston Children’s Hospital

Walter Hardesty, UCLA
“The Effect of Backward Masking on Object Completion: Implications for Top-Down Processing”
Mentor: Gabriel Kreiman, PhD
Boston Children’s Hospital

Daralys Lopez, University of Central Florida
“A Retrospective Analysis of Chest Radiographic Findings in Unrelated Bone Marrow Transplant Donors”
Mentor: Ronilda, Lacson, MD, PhD
Brigham and Women’s Hospital

Erika Nieto, University of Nevada, Reno
“Establishing an Embryonic Stem Cell Line in Zebrafish”
Mentors: Sean Megason, PhD; Kana Ishimatsu, PhD
Systems Biology, Harvard Medical School

Samuel Okpechi, Southern University at New Orleans
“Engineering Adeno-Associated Virus (AAV) to Circumvent Pre-Existing Immunity in Humans”
Mentors: Luk Vandenbergh, PhD and Vadim Khaychuk, PhD
Massachusetts Eye and Ear Infirmary and Schepens Eye Research Institute

Kia Byrd, Howard University
“Assessing Recombinant Human Mannan-Binding Lectin and Engineered Variant Opsonization and Phagocytosis of Escherichia coli”
Mentors: Michael Super, PhD and Julia Berthet
Wyss Institute for Biologically Inspired Engineering

Margie Rayford, Tougaloo College
Mentors: Grant Iverson, PhD and Matthew Luz
“Invalid Baseline Neurocognitive Test Scores in High School Athletes using IMPACT”
Home Base Program
Massachusetts General Hospital and Spaulding Rehabilitation Hospital

Stephanie Vu, University of Connecticut
“PET/MRI After Transcranial Magnetic Stimulation of Major Depression Disorders”
Mentors: Ciprian Catana, MD, PhD, David Izquierdo-Garcia, PhD, Daniel Chonde, MD/PhD Candidate
Massachusetts General Hospital

RECEPTION TO FOLLOW