



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

**2013 Summer Clinical and Translational Research Internship Program
Final Presentations**

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

Student Presentations

Deanna Palenzuela, Yale University
"Neural Correlates of Imitation in Children with Autism Using NIRS: A Pilot Study of Typically Developing Children"
Mentors: Charles Nelson, PhD and Laura Edwards; Boston Children's Hospital

Walker Keenan, College of William and Mary
"Improving Detection of Brain Metabolites for In-Vivo Two-Dimensional Magnetic Resonance Spectroscopy Applications"
Mentor: Alexander Lin, PhD; Brigham and Women's Hospital

Ebaa Al-Obeidi, Massachusetts Institute of Technology
"Endolymphatic duct and sac development in zebrafish"
Mentors: Sean Megason, PhD and Ian Swinburne, PhD; Harvard Medical School

Rosa Frias, Mount Holyoke College '13
"The Atoms of Episodic Memory"
Mentor: Gabriel Krieman, PhD; Boston Children's Hospital

Briaira Geiger, Richard Stockton College of New Jersey
"The Role of VEGF from Medalist Fibroblasts on Endothelial Cells"
Mentors: George King, MD and Sonia Hernandez, PhD; Joslin Diabetes Center

Georges Guillaume, Winston-Salem State University
"Regulation of dendritic cell function by AhR"
Mentors: Francisco Quintana, PhD, Ivan Mascanfroni, PhD and Maisa Takenaka; Brigham and Women's Hospital

Sonya Inderbitzin, Delaware State University
"Novel HIV-1 encoded microRNAs: Role in Chronic Immune Activation"
Mentors: Souvenir Tachado, MD and Mark Bernard, PhD; Beth Israel Deaconess Medical Center

Mira Patel, University of Alabama at Birmingham
"Characterization of chemical genetic interactions of β -lactam potentiators in Methicillin Resistant Staphylococcus aureus"
Mentors: Suzanne Walker, PhD, Timothy Meredith, PhD and Marina Santiago; Harvard Medical School

Chevaz Thomas, Morehouse College
"Characterizing the role of fumarate hydratase deficiency in the development of cancer in zebrafish"
Mentors: Joanna Yeh, PhD and Taneli Helenius, PhD; Massachusetts General Hospital

Kasopefoluwa Oguntuyo, University of Alabama at Birmingham '13
"Magnetic Nanoparticle Mediated Removal of Cytokines from Rat Blood to Alleviate a Septic Burden"
Mentors: Michael Super, PhD and Julia Berthet; Wyss Institute for Biologically Inspired Engineering

RECEPTION TO FOLLOW

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.

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. Founded in May 2008, Harvard Catalyst is a shared enterprise of Harvard University, its ten schools and its seventeen Academic Healthcare Centers (AHC), as well as the Boston College School of Nursing, MIT, Harvard Pilgrim Health Care, and numerous community partners.

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 (PFDD)

The Program for Faculty Development and Diversity seeks to emphasize the recruitment and retention of a diverse clinical/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/>

Office for Diversity Inclusion and Community Partnership

The Office for Diversity Inclusion and Community Partnership (DCP) 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. DCP's Minority Faculty Development Program 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, URM students into the pipeline.

For more information visit: <http://www.hms.harvard.edu/dcp>

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



2013

Summer Clinical and Translational Research Program

Student Presentations

Thursday August 15, 2013

9:00am-2:00pm

Benjamin Waterhouse Room

Gordon Hall

Harvard Medical School

The Harvard Catalyst Summer Clinical and Translational Research Program is a 10 week mentored summer research program designed to enrich the pipeline of college students' understanding of and interest in pursuing clinical and/or translational research. College sophomores, juniors and seniors are eligible to apply, particularly those attending Minority Biomedical Research Support (MBRS) and Minority Access to Research Careers (MARC) NIH-funded institutions, Historically Black Colleges and Universities, Hispanic-serving institutions and/or tribal colleges with baccalaureate degree programs. The SCTRP students are responsible for the completion of a mentored research project, a written abstract, paper and oral presentation summarizing their findings.

