



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

**2012 Summer Clinical and Translational Research Internship Program
Final Presentations**

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

Student Presentations
Nadya Ali, University of Washington
“Role of lactosylceramide in the regulation of astrocyte activity”
Mentors: Francisco Quintana, PhD and Lior Mayo, PhD; Brigham and Women’s Hospital

Deanna Dawson, University of California, Santa Cruz
“Impact of Gestational Diabetes Mellitus on Placental Histomorphometry”
Mentors: Rhonda Bentley-Lewis, MD, MMSc and Drucilla Roberts, MD;
Massachusetts General Hospital

Ismail Eddafali, University of Massachusetts, Amherst
“EphB4 influences Notch and VEGF Signaling during angiogenesis”
Mentors: Johanna Yeh, PhD and Sunanda Baliga, PhD; Massachusetts General Hospital

Kyle Gahagan, Rochester Institute of Technology
“A Demonstration of the Clinical Applicability of Whole Genome Sequencing for a Hypothetical Breast Cancer Patient”
Mentor: Peter Tonellato, PhD; Harvard Medical School

Shanice Oquin, University of North Texas
“Identification of novel biomarkers in exhaled breath condensates collected from asthmatic patients”
Mentor: Winston Kuo, DDS, DMSc; Harvard Catalyst Laboratory for Innovative Translational Technologies

Gnel Pivazyian, University of California, Berkeley
“Quantitative analysis of visual memory storage”
Mentor: Gabriel Kreiman, PhD; Boston Children’s Hospital

Malcolm Reid, Jr. Princeton University
“Software Development for the Translation of Advanced Spectroscopy Methods to the Clinic”
Mentor: Alexander Lin, PhD; Brigham and Women’s Hospital

Graciela Rivera Castro, University of Puerto Rico
“Assessment and comparison of the quality of external vs. internal Voiding Cystourethrogram (VCUG) reports”
Mentor: Caleb Nelson, MD, MPH; Boston Children’s Hospital

Alexis Webber, Howard University
“Protective Factors in Proliferative Diabetic Retinopathy”
Mentors: George King, MD and Sonia Hernandez, PhD; Joslin Diabetes Center

Elizabeth Ogunrinde, Florida State University
“Development of Colorimetric Assays for the Detection of Bacterial Infections in Blood”
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



2012

Summer Clinical and Translational Research Program

Student Presentations

Thursday August 16, 2012

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.

