About HHMI EXROP

The HHMI EXROP provides outstanding summer research experiences in HHMI Scientists’ laboratories to exceptional undergraduate students from groups underrepresented in the sciences. In addition to research experiences, the EXROP students are provided opportunities to participate in enriched programmatic/networking activities across the Longwood and Cambridge campuses. This program is offered through the Harvard Medical School Office for Diversity Inclusion and Community Partnership.

Sponsor: At the Howard Hughes Medical Institute (HHMI), we believe in the power of individuals to advance science through research and science education, making discoveries that benefit humanity. Learn more about how we move science forward.

For more information, visit: http://www.hhmi.org/

Office for Diversity Inclusion and Community Partnership

The Office for Diversity Inclusion and Community Partnership (DICP) was established in 2002 (originally named Faculty Development and Diversity, est. 1995) to promote the increased recruitment, retention and advancement of diverse faculty, particularly individuals from groups underrepresented in medicine (URM), at Harvard Medical School (HMS) and to oversee all diversity activities involving HMS faculty, trainees, students and staff. This is achieved through efforts that support the career development of junior faculty and fellows; train leaders in academic medicine and health policy; provide programs that address crucial pipeline issues, and sponsor awards and recognitions that reinforce behaviors and practices that are supportive of diversity, inclusion, mentoring, and faculty development.

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 HHMI EXROP MENTORS, SPEAKERS & PARTNER INSTITUTIONS

Inaugural 2017 Howard Hughes Medical Institute Exceptional Research Opportunities Program (HHMI EXROP) at Harvard Medical School

THURSDAY, AUGUST 10, 2017
2:00 PM - 5:30 PM
The Joseph B. Martin Conference Center
77 Avenue Louis Pasteur, Boston | Harvard Medical School
“Ultra Sensitive Assay Development for Early Tuberculosis Detection”
Mireya Almaraz, University of Texas at Austin
HHMI Mentor: Dr. David Walt, Department of Pathology, Brigham and Women’s Hospital

“Automated Tracking of Social Interactions Amongst Mice in a Competitive Environment”
Martina Cavallini, Florida International University
HHMI Mentor: Dr. Catherine Dulac, Department of Molecular and Cellular Biology, Harvard University

“Focusing Immune Responses Using Hyperglycosylated Influenza Virus Hemagglutinins”
Hector A. Chaires, Rice University
HHMI Mentor: Dr. Stephen Harrison, Department of Biological Chemistry and Molecular Pharmacology, Harvard Medical School

“Defining Genes Unique to the Hematopoietic Stem Cell Niche”
Mona Chatrizeh, University of California, Los Angeles
HHMI Mentor: Dr. Leonard Zon, Division of Hematology/Oncology, Boston Children’s Hospital

“Epigenetic Inheritance at the Pericentromere in Fission Yeast”
Alexander Durango, Florida International University
HHMI Mentor: Dr. Danesh Moazed, Department of Cell Biology, Harvard Medical School

“In-vitro Functional Studies of an ACKR3 Candidate Disease Variant in a Family with Ptosis and Oculomotor Synkinesis”
Paola M. Matos-Ruiz, University of Puerto Rico, Mayaguez
HHMI Mentor: Dr. Elizabeth C. Engle, Department of Neurology, Boston Children’s Hospital

“Efflux of Cholesterol from Astrocytes and Neuroblastoma Cells by Apolipoprotein E Particles”
Prisca C. Obidike, The Lincoln University
HHMI Mentor: Dr. Stuart Schreiber, Chemical Biology Program, Broad Institute

“Differential Expression in Testis of Monogamous and Promiscuous Sister Species”
Paula Pelayo, University of California, Los Angeles
HHMI Mentor: Dr. Hopi Hoekstra, Department of Organismic and Evolutionary Biology, Harvard University

“Regulation of Stem Cell Proliferation in Drosophila Melangaster Midgut”
Justine J. Ramos, San Francisco State University
HHMI Mentor: Dr. Norbert Perrimon, Department of Genetics, Harvard Medical School

“Genetic Analysis of Shigella Flexneri Invasion And Intracellular Replication”
Aliyah B. Silver, University of Maryland College Park
HHMI Mentor: Dr. Matthew Waldor, Division of Infections Diseases, Brigham and Women's Hospital

“Engineering the Therapeutic Potential of CD8 T Cells to Eradicate the HIV Reservoir”
Alonso Villasmil Oscando, Williams College
HHMI Mentor: Dr. Bruce D. Walker, Institute for Medical Engineering and Science, Ragon Institute of MGH, MIT and Harvard