

Project Success: Opening the Door to Biomedical Careers

2016 Research Project Presentations



Thursday, August 12, 2016

10:00 am – 2:00pm

Harvard Medical School

Tosteson Medical Education Center, Room 227

260 Longwood Ave

Boston, MA 02115

Sponsored by:

Harvard Medical School

Minority Faculty Development Program

Office for Diversity Inclusion and Community Partnership

Presentation Schedule

PART ONE

10:00am – 10:15am: Opening Remarks – Aidan Low

Office for Diversity, Inclusion, and Community Partnership

2016 Project Success Program Coordinator

10:15am – 10:30am: McKenzi Thompson, Wayland High School, 12th Grade

Beth Israel Deaconess Medical Center, Blackfan Circle Lab

A Time to Fight: A Focus on the Feedback in Circadian Rhythms Relating to Aggression

Principal Investigator: Clifford Saper, MD

Lab Mentor: William Todd III, Ph.D

10:30am – 10:45am: Katie Yao, Boston Latin School, 12th Grade

Schepens Eye Research Institute, Harvard University

New Genetic Findings in NRV2 Mice Model for Macular Degeneration: Results from Mapping

Principal Investigator: Neena Haider, Ph.D

Lab Mentors: Siqu Wu

10:45am – 11:00am: Nusrat Africawala, Cambridge Rindge & Latin, 12th Grade

Boston Children's Hospital, Enders Building

Possible Genes Associated with Gasdermin D induced Pyroptosis

Principal Investigator: Hongbo Luo, Ph.D

Lab Mentors: Hiroto Kambara, Ph.D

11:00am – 11:15am: Isis Danielle Rivera, Simmons College, 1st Year

Department of Neurobiology, Harvard Medical School

Behavioral Analysis of Rhesus Macaques in Laboratory Housing

Principal Investigator: Margaret Livingstone, Ph.D

Lab Mentor: Carlos R. Ponce, MD, Ph.D

11:15am – 11:30am: Sammi Chen, Lincoln Sudbury Regional High School, 12th Grade

Beth Israel Deaconess Medical Center, Blackfan Circle Lab

Mouse Model of Systemic Lupus Erythematosus: Characterizing Defects in Alternative Splicing Factor

Principal Investigator: Vaishali Moulton, MD, Ph.D

Lab Mentor: Meghan Keane

Intermission: 11:30am – 11:40am

PART TWO

11:40am – 11:55am: Amanda Francis, University of Pennsylvania, 1st Year

Boston Children's Hospital

Visual Processing of Faces and Animals in the Infant Brain

Principal Investigator and Mentor: Catherine Stamoulis, Ph.D

11:55am – 12:10pm: Rocio Alexandra Nunez Pepen, Brown University, 1st Year

Ileostomy Fluid Initiates TNF- α Inflammatory Pathways in Caco-2 cells and Future Application with Intestinal Alkaline Phosphatase Therapy

Principal Investigator: Richard Hodin, MD

Mentors: Sulaiman Harmarneh, MB; Florian Kuehn, MD; Juan Manuel Ramirez

Decrescenzo, MD

12:10pm – 12:25pm: Saul Granados, Boston Latin School, 12th Grade

Brigham and Women's Hospital Pathology Lab; HMS Department of Biomedical Informatics

A Novel Assay to Identify Rb Antigen from DNA Sequencing

Mentor and Principal Investigator: William Lane, MD, Ph.D

Partner Principal Investigator and Mentor: Peter Tonellato, Ph.D

12:25pm – 12:40pm: Makayla Durant, Cambridge Rindge & Latin, 12th Grade

Department of Neurobiology, Harvard Medical School

The Effects of Cell Culture Passaging on the Circadian Rhythms of Fibroblasts

Principal Investigator: Charles Weitz, Ph.D, MD

Mentor: Alfred G. Tamayo, Ph.D

12:40pm – 12:55pm: Nnamdi Kingsley Okwerekwu, Boston University, 1st Year

Visual Attention Lab, Harvard Medical School, Brigham and Women's Hospital

Prevalence Effect in Multiple Event Tracking

Principal Investigator: Jeremy Wolfe, Ph.D

Mentors: Abla Alaoui Soce; Chia-Chen Wu, Ph.D

Intermission – 12:55pm – 1:00pm

1:00pm – 1:10pm: Certificates and John R. Moore Scholarship – Sheila Nutt, Ed.D

Office for Diversity, Inclusion, and Community Partnership

Director of Educational Outreach Programs

Lunch: 1:05pm – 2:00pm

TMEC Atrium

Project Success provides high school and college students who reside in Boston and Cambridge from underrepresented and disadvantaged groups with summer research internships at Harvard Medical School and affiliated institutions. Lab mentors and advisors guide students through independent research, while on Fridays students participate in workshops, seminars, and tours.

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The HMS Office for Diversity Inclusion and Community Partnership:

Joan Y. Reede, MD, MS, MPH, MBA; Professor of Medicine, Dean for Diversity and Community Partnership

Sheila Nutt, EdD; Director of Educational Outreach Programs

Aidan Low, Project Success Program Coordinator

Robert Simpson, Science Curriculum Specialist

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