



2012 Summer Research Fellowships and Internships

Summer research fellowships were awarded to 19 outstanding medical students jointly with their research advisers. A committee of basic science and clinical faculty selected the recipients based on the statement of the problem, experimental design, and role of the student in the research project. The students will present the outcome of their research at Discovery 2012 on October 4. Summer fellowships were also awarded to 17 undergraduate students. In addition, eight high school students received summer research internships.

Medical Student Summer Research Fellowships

Medical Student — Faculty Adviser

Research Project

Christine Azizkhan — David Bennett, Ph.D.

Self-Conscious Emotions as Predictors of Progress in Substance Abuse Treatment

Catherine Calvert — Boris Polyak, Ph.D.

Isolation and Characterization of Endothelial Cells for Magnetic Targeting to Stents

Michael Christiansen — Simon Giszter, Ph.D.

Neural Activity Changes in the Cortex during Robot Rehabilitation of Spinal Cord Injury in Rats

Lekhaj Daggubati — John Houle, Ph.D.

The Effect of Exercise on Below-Level Pain Development After SCI and Afferent Sprouting

Brent Dembo — Tara Davis, Ph.D.

The Role of the PPIL2:PRCC and PPIL2:ZNF830 Protein Complexes in RNA Splicing

Cynthia Edirisuriya — Michele Kutzler, Ph.D.

Development of a Therapeutic DNA Vaccine Strategy for Prevention of HVC-Associated Cancer

Jared Guth — Haviva Goldman, Ph.D.

Cortical Bone Quality and Morphology Interactions in the Human Tibia and Relationship to Skeletal Fragility

Amy Javia — John Houle, Ph.D.

The Effect of Exercise on Below-Level Pain Development After SCI and Afferent Sprouting

Peter Kim — Jed Shumsky, Ph.D.

Histological Evaluation of Recovery from Cervical Spinal Cord Injury

Philip Hyuntae Kim — Claudio Torres, Ph.D.

The Role of HIV-1 in Human Astrocyte Senescence

Kaila Krishnamoorthy — Karen Berkowitz, M.D.

The Role of Chtf18 in Mammalian Meiosis

Continued ...

Medical Student Summer Research Fellowships continued

Briana Leung — Suresh Joshi, M.D., Ph.D.

Clinical Epidemiology and Data Analysis of MDR Acinetobacter Infection or/and MRSA Infection at HUH

Eugene Lucas — Alessandro Graziano, Ph.D.

Identification of Selective Plasticity in Cortical and Subcortical Populations of Neurons Underlying Chronic Pain and Associated Comorbidities

Eric Prouty — Marie-Pascale Cote, Ph.D.

Exercise Restores Spinal Reflex Excitability through BDNF/KCC2 Upregulation

Priya Sahay — Jane Clifford, Ph.D.

The Effect of Nbsl on Levels of Sp1

Callie Schnitker — David Tabby, M.D.

Treating Neuropsychological Impairment in MS with Nuedexta

Anokhi Shah — Julio Martin-Garcia, Ph.D.

Determining the Effects of Ectopic miR-122 Expression in Monocytes with Macrophages on HIV-1 Infectivity with HCV Replication

Ashley Stephens — Jeffrey Jacobsen, M.D. and Erika Aaron, CRNP, MSN

Examining HIV Testing Practices at the Hahnemann University Hospital and Outpatient Medical Clinics

R. Taylor Stringer — Ari Brooks, M.D.

Introduction of Mitochondrial-Mediated Apoptosis by Non-Thermal Plasma Treated Solution in Chemoresistant Ovarian Cancer Cells

Summer Undergraduate Research Fellowships

Awardee:

Faculty Adviser:

Ashley Benjamin
Cheyney University

Ramesh Raghupathi, Ph.D.

Elena Brindley
University of Notre Dame

Tara Davis, Ph.D.

Monica Effie
Cheyney University

Shira Ninio, Ph.D.

Sabita Gautam
Wesleyan College

Pooja Jain, Ph.D.

Rebecca Golden
Muhlenberg College

Michael Bouchard, Ph.D.

Ryan Hoffman
Cheyney University

Barry Waterhouse, Ph.D.

Continued ...

Summer Undergraduate Research Fellowships continued

Kaushal Khambhati
Northwestern University

Simon Giszter, Ph.D.

Melanie Kirkpatrick
University of Delaware

Thomas Edlind, Ph.D.

Christina Maher
Pennsylvania State University

Felix Kim, Ph.D.

Kaitlyn Martin
The University of Edinburgh

Jahan Ara, Ph.D.

Deylan Moore
Cheyney University

Michele Kutzler, Ph.D.

Devon Moore
Cheyney University

Sonia Navas-Martin, Ph.D.

Sarah Nyirjesy
Amherst College

Ramesh Raghupathi, Ph.D.

Zeynep Ozdener
Widener University

Ole Mortensen, Ph.D.

Kelvin Soewono
Rutgers University

Mauricio Reginato, Ph.D.

Marshall Steele
University of Pittsburgh

Jane Clifford, Ph.D.

Rochelle Vollmerding
Bucknell University

Eishi Noguchi, Ph.D.

High School Summer Research Internships

Awardee:

Faculty Adviser:

Julia Chatterjee
Cheltenham High School

Richard Rest, Ph.D.

Mounika Kanneganti
Central Bucks High School West

Anand Mehta, Ph.D.

Kevin Miller
William Tennent High School

Andy Cuconatti, Ph.D.
and **Timothy Block, Ph.D.**

Sabrina Pan
Marple Newtown High School

Tom Edlind, Ph.D.

Continued ...

High School Summer Research Internships continued

Justin Plasmeier
Haverford High School

Simon Giszter, Ph.D.

Samantha Sedor
Conestoga High School

Ramesh Raghupathi, Ph.D.

Abigail Wang
Central Bucks High School South

Pooja Jain, Ph.D.

Sharmarlon Yates
Science Leadership Academy

Tom Edlind Ph.D.