

2012 EMSOP Summer Undergraduate Research Fellowship Program



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Nineteen students were selected for the 2012 Summer Research Fellowship Program at the Ernest Mario School of Pharmacy. Students were very active in a number of events:

- Participated in a tour of the pharmaceutical company Bristol-Myers Squibb and met in small groups with scientists from various teams within Drug Safety Evaluation.
- Dynamic discussions with Dr. Michael Gallo (Environmental and Occupation Medicine, UMDNJ) and Dr. Mark Robson (Rutgers University, Agricultural and Urban Programs).
- Career-focused events including discussion of careers with Bristol-Myers Squibb scientists and Mr. Greg Sobol (Career Services, Rutgers).
- Participated in Final Thesis Completion for Honors Students
- Active participation in Responsible Conduct of Research Case-Based Session
- Fantastic final presentations of research projects on July 19 and 26, 2012

2012 Summer Researchers



Summer Presentations



BMS Field Trip



2012 Summer Research Presentations

Researcher	Mentor	Project Description
Katterin Colon	Dr Jason Richardson	Activation of Inflammatory Pathways by DDT and its Derivatives: Potential Links to Neuroinflammation in AD
Michael Little	Dr Lauren Aleksunes	Regulation of Liver and Kidney Efflux Transporters during Inflammation
Dahea (Diana) You	Dr CS Yang	Effects of Different Forms of Tocopherols on RNA and Protein Levels of Cytochrome P450 Enzymes
Andriy Kuzmov	Dr Tamara Minko	Nanostructured Lipid Carriers for the Co-delivery of Paclitaxel and siRNA
David Cheng	Dr Tony Kong	Pharmacodynamics of Ginsenosides: Antioxidant Activities and Activation of Nrf2
Woo Young Choi	Dr Mingzhu Fang	Mechanisms Causing Upper Respiratory Disease by World Trade Center Dust
Purnima Verma	Dr Anna Vetrano	Metabolic and Transport Genes in Human Placenta and Fetal Membranes
Amna Jamil	Dr Andrew Gow	Effect of Oxygen Tension on S-Nitrosylated Myoglobin in the Trout Heart
Alexander Tang	Dr Don Gerecke	Kinetics of Neutrophil Infiltration During Skin Wound Healing After Exposure to Nitrogen Mustard
Amishi Desai	Dr Rob Laumbach	Hair Cortisol Levels and Chronic Stress Measurement
Maria Xu	Dr Laurie Joseph	Techniques: Immunohistochemical Staining and Western Blot Analysis—Mouse Skin Models of Mustard Injuries
Gaby Ghobrial	Dr Ken Reuhl	Recruitment of Neural Stem Cells in Response to Brain Injury
Ogugua Osefoh	Dr Deb Laskin	Role of Reactive Nitrogen species in Nitrogen Mustard-Induced Lung Injury
Lefan He	Dr Pat Sinko	Synthesis and Development of LyP-1 Peptides for Targeted Drug Delivery
Victoria Huang	Dr Tim Reilly	Evaluation of the 2012 Beers Criteria of Potentially Inappropriate Medications in Older Adults
Aparna Nanduri	Dr Mary Wagner	Evaluation of New Jersey's Project Healthy Bones
Cindy Kui	Dr David Kimball	Synthesis of Imidazopyrimidine Derivatives as Probes of the Bmi-1 Pathway in Cancer
Thant Ko Ko	Dr Longqin Hu	Small Molecule Inhibitors for Keap1-Nrf2 Interaction
Edward Lin	Dr Bo Michniak	Drug Dissolution of Fenofibrate and Griseofulvin

Funding and Support

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Ernest Mario School
of Pharmacy

<http://pharmacy.rutgers.edu/>



<http://www.aspet.org/>



<https://eohsi.rutgers.edu/niehs/>



**National Institute of
Environmental Health Sciences**

<http://www.niehs.nih.gov/>



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Bristol-Myers Squibb