

**2013 EMSOP Summer
Undergraduate Research
Fellowship Program**

RUTGERS

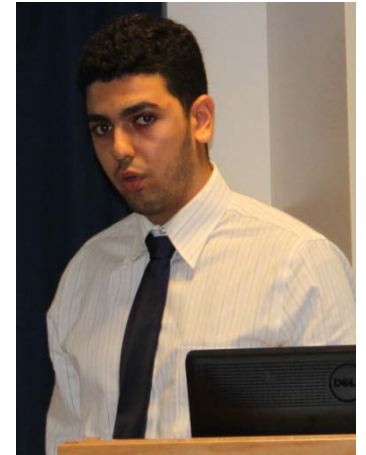
Ernest Mario School
of Pharmacy

2013 EMSOP Summer Undergraduate Research Fellowship Program

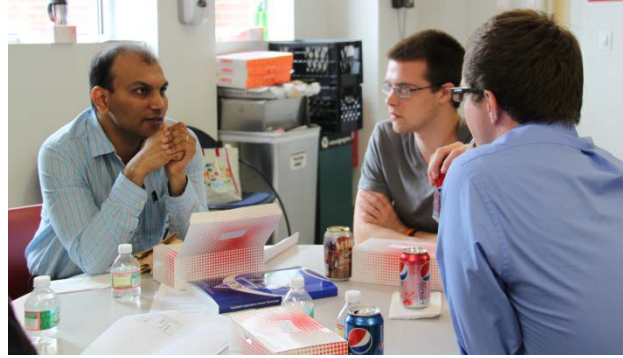
Fifteen students were selected for the Summer Research Fellowship Program at the Ernest Mario School of Pharmacy. Students were very active in a number of events:

- 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. Howard Kipen (Robert Wood Johnson Medical School).
- Career-focused events including discussion of careers with Bristol-Myers Squibb scientists, Mr. Greg Sobol (Career Services, Rutgers) and Dr. Michael Toscani (School of Pharmacy).
- Participated in Final Thesis Completion for Honors Students
- Active participation in Responsible Conduct of Research Case-Based Session
- Students met with high school students during lunchtime sessions to discuss picking majors.
- Fantastic final presentations of research projects on July 18 and 25, 2013

Summer Presentations



BMS Field Trip



2013 Summer Research Presentations

Researcher	Mentor	Project Description
Ahmed Ahmed	B. Michniak-Kohn	Paclitaxel Nanoparticles vs Free Paclitaxel: An In Vitro Cytotoxicity Study
Reena Blade	D. Laskin	Hydrogen Peroxide Detection Using Iron(III)-Tetrasulfonatophtalocyanine
Lauren DeRespiris	K. Reuhl	Effects of Pesticides DDT/DDE on the Metabolism and Toxicity of Alzheimer's AB Peptides in Drosophila
David Fett	A. Gow	S-Nitrosylation of Surfactant Protein D in Pulmonary Injury: The Effect of S-Nitrosoglutathione Reductase
Nirav Haribhakti	A. Hatefi	Peptide Based Alternative of Poly(ethylene Glycol) for Efficient Shielding of Nanoparticles
Ryan Hui	R. Zhou	Neuronal Morphology in EphA5/A6 KO Mice
Quan Jin	G. Guo	Effect of Cholic Acid Gavage on FXR Activation in Mouse Liver and Ileum
Jae Yoon Louis Jeon	M. Gordon	Consequences of the Loss of Collage XXIV in Bone
In Heon Lee	P. Sinko	Synthesis of CXCR4 Targeted Peptide Carrier
Jason Liu	J. Richardson	Activation of Macrophages by Pyrethroid Pesticides
Chris Liu	K. Lee	Nanomaterial-Based Drug Delivery
Alex Lo	C. Yang	Identifying DNA Methylation Changes in the PhIP/DSS CYP1A-Humanized Mouse Model of Colon Cancer
Matt Lynch	D. Laskin	Hepatotoxicity: Acetaminophen Induced Injury
Gabriell Thorne	L. Aleksunes	Activation of Nrf2 Signaling by the Investigational Drug LH601A in Cultured Human Kidney Cells
Kristen Tripicchio	D. Gerecke	Study of Nitrogen Mustard Vesicant Injury in Mouse Keratinocytes Using the Scratch Wound Model
Brittany Yalamanchili	L. Joseph	Treating Mustard Injury in Skin
David Yang	T. Kong	Celastrol and Formononetin in Chemoprevention

Funding and Support

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



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**National Institute of
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RiSE at Rutgers
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**Graduate School of
Biomedical Sciences**



Bristol-Myers Squibb