

**2011 EMSOP Summer  
Undergraduate Research  
Fellowship Program**

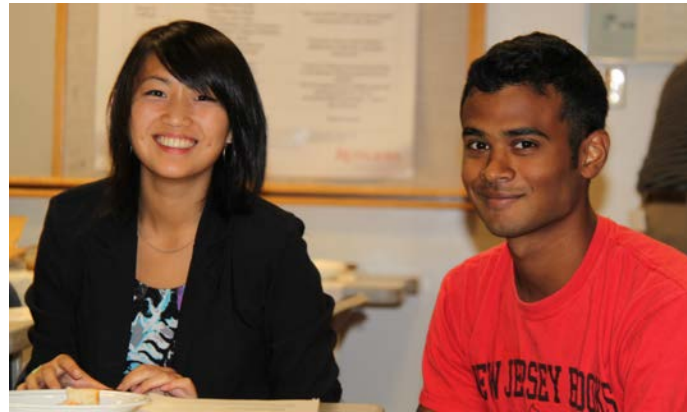
**RUTGERS**  
Ernest Mario School  
of Pharmacy

## 2011 EMSOP Summer Undergraduate Research Fellowship Program

Seventeen students were selected for the 2011 Summer Research Fellowship Program at the Ernest Mario School of Pharmacy. Students were very active in a number of events:

- Participated in tours of the Bionomics and Research Technology Core (BRTC) by Qi Wang and the Flow Cytometry Core by Dr. Vasanthi Sunil.
- Dynamic research presentations from Dr. John McGann (Psychology, Rutgers) and Dr. Rob Laumbach (Clinical Research and Occupational Medicine, UMDNJ).
- Career-focused events including discussion of careers with Dean Chris Molloy (Pharmacy, Rutgers) and Greg Sobol (Career Services, Rutgers).
- Participated in Final Thesis Completion for P4 Honors Students
- Active participation in Responsible Conduct of Research Case-Based Session
- Attended summer program reception sponsored by the Graduate School of Biomedical Sciences on June 24, 2011
- Fantastic final presentations of research projects on July 21 and 28, 2011

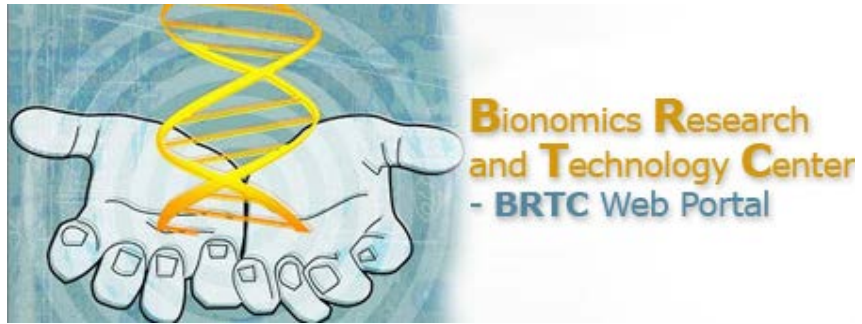
# 2011 Summer Researchers



# 2011 Summer Researchers







# Core Facility Tours

Analytical Cytometry/  
Image Analysis Core Facility



# 2011 Summer Research Presentations

Researcher	Mentor	Department	Project Description
Stephanie Callinan	Reilly	Pharmacy Practice	Evaluation of the Effects of the Utilization of Beers Criteria Drugs in the Elderly
Himabindu Angara	Gordon	Pharmacology/ Toxicology	Altered Inflammatory Patterns Seen Upon Sulfur Mustard Exposure Wounds as Compared to Incisional Wounds
Yangmin Mimi Chen	Michniak	Pharmaceutics	Transdermal Drug Delivery: Tyrospheres for Psoriasis and Tyrosine-Derived Polymer Degradation
Ellen Choi	Fang/Zarbl	Environmental and Occupational Health	Chronic Disruption of Circadian Rhythm and its Effects on Promoting Mammary Tumorigenesis
Lobna Eldasher	Aleksunes	Pharmacology/ Toxicology	Identifying the Effects of Perfluorooctanoic Acid on Proximal Tubule Transporters
Mohan Govindraj	Gow	Pharmacology /Toxicology	Evaluation of Macrophage Phenotypic Responses in RAW 264.7 Macrophage Cell Line
Vani Kumaran	Thomas	Chemical Biology	Evaluation of Testosterone Metabolites by HPLC
Andriy Kuzmov	Minko	Pharmaceutics	Nanostructured Lipid carriers as a Multifunctional Nanomedicine Platform for Pulmonary Co-Delivery of Anticancer Drugs and siRNA
Charles Lee	Sinko	Pharmaceutics	Polymeric Drug Delivery System for Lung Cancer Therapy
Marissa Nimnual	Iba	Pharmacology/ Toxicology	Ontogenic Profile of Mouse Hepatic Cytochrome P450 2B
Rob Perez	Joseph/Laskin	Pharmacology/ Toxicology	Effect of Novel Anti-Inflammatories on Sulfur Mustard Induced Skin Injury
Ashley Press	Richardson	Environmental and Occupational Health	Different Sensitivities of CES-1 Variants to Inhibition
Purnima Verma	Meyers/Bors	Pharmacy Practice	Safety and Effectiveness of Nifedipine in Pediatrics
Julie Safirstein	Gordon	Pharmacology/ Toxicology	Comparing Corneal Wound Healing After Exposure to Nitrogen Mustard and UVB Rays
Qi Wang	Aleksunes	Pharmacology/ Toxicology	Metabolism of Cisplatin to a Nephrotoxin in Proximal Tubule Cells
Dahea Diana You	Hu	Medicinal Chemistry	Synthesis of an Aminoacyloxymethyl Prodrug of Curcumin
Lumeng Jenny Yu	Chen	Chemical Biology	Molecular Mechanisms of Riluzole in treatment of human Melanoma Cells
Kateryna Zorych	Yang	Chemical Biology	Effect of AOM and gammaTMT on the levels of CYP3A

# 2011 Summer Research Presentations





# Summer Researchers and Their Mentors



Julie Safirstein, Dr. Emmy Gordon, Hima Angara



Lobna Eldasher, Dr. Lauren Aleksunes, Qi Wang



Dr. Laurie Joseph, Rob Perez



# Funding and Support

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



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



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



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



[http://rwjms.umdnj.edu/gsbs/prospective/  
summer\\_research.html](http://rwjms.umdnj.edu/gsbs/prospective/summer_research.html)

