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