

The Indiana Section of the American Chemical Society Presents:
2009 Project SEED Poster Session
Van Nuys Medical Sciences Building Atrium*
Thursday 30th of July 4:30-7:30 P.M.

Poster Session at 4:30 in Atrium, Media Presentation & Awards Ceremony at 6:00pm in Basement Auditorium B-26

Student/Project	Preceptor Mentor	Research Project
Maria Alatorre <i>Arsenal Technical High School '10</i>	H. Jayaram, PhD. Padma Chakka, PhD. <i>VA Medical Center</i> <i>IU School of Medicine</i>	<i>Chemogene Therapy for Colon Cancer</i>
Michael Ashmore <i>Lawrence Central High School '10</i>	Tim Dahn <i>AIT Laboratories</i>	<i>The Analysis of Methyphenidate and Ritalinic Acid by Ultra Performance Liquid Chromatography coupled with Tandem Mass Spectrometry in Urine Samples</i>
Anurag Bhattra <i>Carmel High School '10</i>	Sapna K. Deo, PhD. <i>IUPUI School of Science</i>	<i>The detection of microRNA, miR145 using bioluminescent hybridization assay</i>
Alexa Boice <i>Huntington North High School '10</i>	C. Subah Packer, PhD. <i>IU School of Medicine</i>	<i>The PreClinOmics ZDSD, a New Rat Model of Metabolic Syndrome: Alterations in Arterial Muscle Mechanics</i>
Nick Brenneke <i>Northrop High School '09</i>	Mark Goebel, PhD. <i>IU School of Medicine</i>	<i>Engineering Yeast for Cellulosic Ethanol Production</i>
Jasmine Craig <i>Warren Central High School '10</i>	James A. Marrs, PhD. <i>IUPUI School of Science</i>	<i>Zebra fish model of fetal alcohol syndrome</i>
John DeBrot <i>Zionsville Community High School '10</i>	Horia Petrache, PhD. <i>IUPUI School of Science</i> Irina Petrache, M.D. <i>IU School of Medicine</i>	<i>Effect of cigarette smoke chemicals on interactions of A1AT with cell membranes</i>
David Gurecki <i>Herron High School '2011</i>	Mr. Jeffrey White Ms. Erin McCourt <i>POLARIS Laboratories</i>	<i>Using high speed HPLC to measure the condition of engine coolant/antifreeze</i>
Jenaya Hooks <i>Arsenal Technical High School '10</i>	Randall J. Roper, PhD. <i>IUPUI School of Science</i>	<i>Understanding Traits Related to Facial Features in Down Syndrome</i>
Cleveland Johnson <i>George Washington Community High School '09</i>	Samy Meroueh, PhD. <i>IU School of Science</i>	<i>Computational Molecular Docking</i>

Corey Johnson <i>Southport High School '10</i>	Martin Bard, PhD. <i>IUPUI School of Science</i>	<i>The Importance of Sterols</i>
Emily Lucas <i>Arsenal Technical High School '09</i>	Margaret Bauer <i>IU School of Medicine</i>	<i>SapA Activity in Haemophilus ducreyi and Haemophilus influenzae</i>
Angela Ma <i>Carmel High School '10</i>	Sapna K. Deo, PhD. <i>IUPUI School of Science</i>	<i>Multiplex detection of microRNAs</i>
Scott Maitland <i>Southport High School '10</i>	Robert Minto, PhD. <i>IUPUI School of Science</i>	<i>The grease you eat: mass spectrometric analysis of the lipid content in food.</i>
LeeAnna Meulen <i>Arlington Community High School '10</i>	C. Subah Packer, PhD. <i>IU School of Medicine</i>	<i>The PreClinOmics ZDSD, a New Rat Model of Metabolic Syndrome: Cardiovascular Disease</i>
Rosemary Miller <i>Southport High School '10</i>	Elliot D. Rosen, PhD. <i>IU School of Medicine</i>	<i>Understanding the process of blood clotting</i>
Calvin Nguyen <i>Avon High School '11</i>	James A. Marrs, PhD. <i>IUPUI School of Science</i>	<i>Zebra fish model of fetal alcohol syndrome</i>
Binal Pandya <i>Arsenal Technical High School '10</i>	Matthew Allen, PhD. <i>IU School of Medicine</i>	<i>Studying a serious side effect in the treatment of osteoporosis and cancer</i>
Brent Rogers <i>Southport High School '11</i>	Samy Meroueh, PhD. <i>IU School of Science</i>	<i>Computational Molecular Docking</i>
Philip Sanders <i>Sojourn Academy '09</i>	Mathew Palakal, PhD. <i>IUPUI School of Informatics</i>	<i>Computational Analysis of Biological Networks and Pathways</i>
Rizma Shrestha <i>Henry Clay High School '10</i>	Sapna K. Deo, PhD. <i>IUPUI School of Science</i>	<i>Renilla luciferase as a label for nucleic acid sensing</i>
Douglas Sprowl <i>George Washington Community High School '10</i>	Margaret Bauer, PhD. <i>IU School of Medicine</i>	<i>Antibody Detection of a Fibrinogen-binding Protein of Haemophilus ducreyi</i>
Erica Walsh <i>Franklin Central High School '11</i>	Jiliang Li, PhD. <i>IUPUI School of Science</i>	<i>Electrospinning Nanofibers for Stem Cell Culture and Tissue Engineering</i>
Lionel Zhao <i>Zionsville Community High School '10</i>	Mr. Jeffrey White Ms. Brook Adkins <i>POLARIS Laboratories</i>	<i>Using FTIR to replace traditional tests for measuring the condition of lubricants</i>

The Van Nuys Medical Sciences Building is at the IU School of Medicine, 635 Barnhill Dr, next to Riley Children's Hospital. Parking available at the Vermont Street Garage (corner of Vermont & Barnhill Streets) and Riley & Wishard visitor parking lots.

Maps at www.iupui.edu/maps - Directions & Parking- <http://www.indyprojectseed.org/summer/DirectionsPark-Poster.pdf>

Media & all other inquiries should be addressed to the program's student coordinator, Elmer Sanders, at 317.514.3212

Thank You to All Who have made this year's SEED program possible!