

# The Indianapolis Project SEED 2015

## Student/Project

### **Daniel Adeniji**

*Ben Davis High School '16*

*Zebrafish Fetal Alcohol Spectrum Disorder Model*

### **Rochelle Adjei**

*Plainfield High School '17*

*Evaluation of TLR4 Signaling on LPS-Stimulated BV2 Cell Cytokine Production*

### **Amanuel Araya**

*Ben Davis High School '15*

*The Role of Spinophilin in Parkinson's Disease*

### **Carolyn Audu**

*Warren Central High School '15*

*Investigation of the Instability of Simple Aliphatic Esters as Probes into Acyl Glucuronide Reactivity*

### **Mayesha Awal**

*Lawrence North High School '16*

*Search for small molecules to enhance health and longevity*

### **Roger Biak**

*Southport High School '15*

*Spectrophotometric Measurements of Hydrophobic Effects on Peptide Aromatic Amino Acid Residues*

### **Joshua Bitandaro**

*Carmel High School '17*

*Genetic disruption of multiple Wnt inhibitor genes leads to increased bone mass*

### **Ernesto Cabrera**

*Warren Central High School '16*

*Effect of Novel Small Molecules on Liver Triglycerides for Treatment of Nonalcoholic Steatohepatitis (NASH) and Obesity/Diabetes*

### **Krystiauna Cole**

*Pike High School '16*

*Investigation of the chemical and physical stability of insulin lispro formulations in insulin pumps in simulated patient-use conditions*

### **Haben Gebre**

*Avon High School '17*

*Targeting the Role of Tyrosine in Amot Protein-lipid Binding Events*

## Preceptors

### **James Marrs, PhD**

*IUPUI School of Science*

### **Kjell Svensson, PhD**

### **Torian Stinnette, PhD**

*Eli Lilly and Company*

### **Baucum AJ, PhD**

*IUPUI School of Science*

### **Anthony G. Borel, PhD**

*Eli Lilly and Company*

### **Charlie Dong, PhD**

*IU School of Medicine*

### **Horia Petrache, PhD**

### **Bruce D. Ray, PhD**

*IUPUI School of Science*

### **Alexander Robling, PhD**

*IU School of Medicine*

### **Tamer Coskun MD, PhD**

### **Libbey O'Farrell, PhD**

*Eli Lilly and Company*

### **Nathaniel Milton, PhD**

*Eli Lilly and Company*

### **Ann Kimble-Hill, PhD**

*IU School of Medicine*

## Other Mentors

### **Pooja Muhalidaran**

### **Swapnalee Sarmah**

### **Mark Farrell**

*IUPUI School of Science*

### **Sarah Brokovich**

*Purdue University*

### **Asma Salek**

*Graduate Student*

### **Ken Ruterbories**

### **David Bedwell**

*Eli Lilly and Company*

### **Xiwen Xiong, PhD**

*IU School of Medicine*

### **Merrell A. Johnson, PhD**

*IUPUI School of Science*

### **Lauren Deal**

*IU School of Medicine*

### **Jonathan P. Riley**

*Eli Lilly and Company*

### **Robert (Lee) Ballard**

### **Nanette Schultz**

*Eli Lilly and Company*

**Sarah Law**

Cardinal Ritter High School '15

**Investigation of analytical measurement consistency on flowing powder for continuous drug product manufacturing**

**Grace LeFevre**

Homeschool '17

**Candidate gene approach to development gene annotation in *Cochliomyia macellaria***

**Aundria Liggins**

North Central High School '16

**Effects of electronic cigarettes e-juices on dental pulp stem cells**

**Katherine Lindsay**

Guerin Catholic High School '16

**GPCR mediated regulation of ACTH secretion in *AtT20***

**Vishaal Mali**

Avon High School '16

**Development of an in cell footprinting method**

**Anna Martin**

Customized Schooling '16

**Development and optimization of an oxyntomodulin immunoassay**

**Lara Martinez**

Herron High School '16

**The interaction of water and vegetation: a stable isotope based approach**

**Elly Mawi**

Southport High School '15

**NMR Spectroscopic Study of Intermediates in Catalysis by Benzoylformate Decarboxylase**

**Angelica Murrilo**

Lawrence Central High School '17

**Investigation of analytical measurement consistency on flowing powder for continuous drug product manufacturing**

**Zuleima Sanchez**

Arsenal Technical High School '17

**Analysis of gene expression in sub-clones of an osteocytic cell line**

**Htayni Sui**

Southport High School '15

**Affinity of Cholesterol for Phospholipids**

**Daniel Thang**

Southport High School '17

**Hydrophobic effects on Chemical Shifts of Aromatic Amino Acid Residues in Peptides**

**Zhenqi (Pete) Shi, PhD**

Eli Lilly and Company

**Christine Picard, PhD**

IUPUI School of Science

**Jack Windsor, PhD**

IU School of Dentistry

**Michael Statnick, PhD**

Susan Gackenhaimer

Eli Lilly and Company

**Lisa Jones, PhD**

IUPUI School of Science

**Hsiu-Chiung (Ginnie) Yang**

Eli Lilly and Company

**Lixin Wang, PhD**

IUPUI School of Science

**Michael J. McLeish, PhD**

IUPUI School of Science

**Jose Cintron, PhD**

Eli Lilly and Company

**Lilian Plotkin, PhD**

IU School of Medicine

**Stephen Wassall, PhD**

**Bruce Ray, PhD**

IUPUI School of Science

**Horia Petrache, PhD**

**Bruce Ray, PhD**

IUPUI School of Science

**Anne Andere**

IUPUI School of Science

**Jadesada Palasuk, DDS**

IU School of Dentistry

**Aimee Rinas**

Graduate Student

**Nichole Reynolds**

Eli Lilly and Company

**Stefani Daryanto, PhD**

Postdoctoral Researcher  
IUPUI School of Science

**Bruce D. Ray, PhD**

IUPUI School of Science

Hannah M. Davis and  
Emily Atkinson

**Hannah M. Davis**

**Emily Atkinson**  
IU School of Medicine

**Jacob Kinnun**

Graduate Student

**Merrell A. Johnson, PhD**

IUPUI School of Science

**Sui Tial**

*Southport High School '15*

***NMR of Proteolysis Products of AMOT Family  
Proteins***

**Cassie Washam**

*Western Boone High School '16*

***Biomarker Responses to a Renin-Driven, Preclinical  
Model of Nephropathy***

**Bruce Ray, PhD**

*IUPUI School of Science*

**Tara Chouinard, PhD**

*Eli Lilly and Company*

**Merrell A. Johnson, PhD**

*IUPUI School of Science*