

2018 Research Scholar Cohort (53)

<p>Kierra Adams Ball State University Mentor: D. Bernstein</p> <p>GENETIC ENGINEERING TO PRODUCE DCAS USING CANDIDA VISWANATHIII THROUGH CRISPR MODIFICATION</p>	<p>Iyun Adebowale IUPUI Mentor: N. Manicke</p> <p>LC-MS/MS DETECTS UROBILINOIDS FROM FECES IN FLY GUTS</p>	<p>Opeibea Aidoo IUPUI Mentor: R. Roper</p> <p>DIFFERENTIAL REGULATION OF DYRK1A AT THE PERINATAL STAGE IN DOWN SYNDROME MICE</p>	<p>Justin Alexander Indiana University Mentor: P. Shih</p> <p>ASYNCHRONOUS RESEARCH COMMUNITIES FOR STIGMATIZED GROUPS</p>
<p>Peter Amezcua Indiana University Mentor: P. Hollenhorst</p> <p>ETS PROTEIN INDUCTION AND PURIFICATION FOR PROSTATE CANCER STUDY</p>	<p>Mykal Ammons Indiana University Mentor: A. Ramesh</p> <p>AN EXPLORATORY STUDY TO TEST TEMPORAL STORAGE EFFECTS IN PARASITIC NEMATODES</p>	<p>Monica Appel Ball State University Mentor: M. Largent</p> <p>SPHERO IN THE CLASSROOM</p>	<p>Jesus Badillo Indiana University Mentor: M. Swany</p> <p>BUILDING A MIDI</p>
<p>Charles Barrios Ball State University Mentor: C. Jenkins/ R. Auzely</p> <p>SYNTHESIS OF NEW THERMOSENSITIVE COPOLYMERS FOR THE MODIFICATION OF POLYSACCHARIDES</p>	<p>William Carey IU Northwest Mentor: Kelly</p> <p>EXAMINING EXCESSIVE CA2+/MG2+ IN NW INDIANA RAINWATER</p>	<p>Donnai Casillas IU Northwest Mentor: Gao</p> <p>ANALYSIS OF me31B GENE'S ROLE IN STABILIZING DROSPHILA GERM RNA AND ME31B PROTEINS RNA BINDING SPECIFICITY</p>	<p>Kalee Coe-White Ivy Tech Community College Mentor: F. White</p> <p>REPEATED MILD TRAUMATIC BRAIN INJURY CAUSES CHRONIC GLIAL ACTIVATION IN THE CORTEX OF ADULT MALE MICE</p>
<p>Maurice Dantzer Ball State University Mentor: K. Islam</p> <p>HERPETOLOGICAL SURVEYS OF RED TAIL LAND CONSERVANCY PROPERTIES</p>	<p>Amber Diggs Ball State University Mentor: E. Khisamutdinov</p> <p>OVEREXPRESSION AND PURIFICATION OF T7-RNA POLYMERASE FOR RNA IN VITRO SYNTHESIS</p>	<p>Amanda Ellison Indiana University Mentor: S. Newman</p> <p>THE EFFECT OF CANNABIS USE ON MOOD DISORDERS</p>	<p>Eva Elmalh IU Northwest Mentor: J. Fisher</p> <p>PREVALENCE OF COLISTIN-RESISTANT BACTERIA IN SANITARY SEWAGE AND THE ENVIRONMENT</p>
<p>Cheikh Ethfagha IUPUI Mentor: McLeish</p> <p>ENGINEERING AN ACETOLACTATE SYNTHASE VARIANT EXHIBITING ACETOHYDROXYACID SYNTHASE ACTIVITY</p>	<p>Mahussi Fagnon IUPUI Mentor: N. Alves</p> <p>COMPARING THROMBOELASTOGRAPHY (TEG) AND TURBIDITY MEASUREMENTS TO MONITOR CLOT FORMATION OF NATIVE AND FITC-TAGGED FIBRINOGEN</p>	<p>Jamon Gaines Indiana University Mentor: L. Liu</p> <p>CONTROL AND NAVIGATION OF A TURTLEBOT3 ROBOT</p>	<p>Giovanna Gorski IU South Bend Mentor: Hakimzadeh</p> <p>VCARE: APPLICATION OF GEOTAGGING TO IMPROVE DELIVERY OF PUBLIC HEALTH SERVICES</p>

<p>Winnie Ihano IU South Bend Mentor: Rizk</p> <p>CHARACTERIZATION OF ADENOSINE DEAMINASE (ADA) MUTANTS IN SEVERE COMBINED IMMUNODEFICIENCY (SCID)</p>	<p>Alero Jackson IU Northwest Mentor: J. Fisher</p> <p>QUANTIFICATION OF ANTIBIOTIC RESISTANCE IN ENTERIC BACTERIA ISOLATED FROM UNTREATED SEWAGE</p>	<p>William Jackson Indiana University Mentor: M. Van Nieuwenzhe</p> <p>SYNTHETIC ROUTE FOR A NEXT-GENERATION HETEROARYLDIHYDROPYRIMIDINE (HAP)</p>	<p>Stacey Jean-Baptiste IU South Bend Mentor: G. Muna</p> <p>ELECTROCATALYTIC OXIDATION OF AMINOTHIOLES USING MODIFIED ELECTRODES WITH GOLD NANOPARTICLES</p>
<p>Crystal Johnson Ivy Tech Community College Mentor: A. Baucum</p> <p>SPINOPHILIN PROTEIN-PROTEIN INTERACTIONS IN THE STRIATUM SUBSEQUENT TO PSYCHOSTIMULANT ADMINISTRATION</p>	<p>Naim Johnson Indiana University Mentor: A. Gruber</p> <p>OCCURRENCE AND MECHANISMS OF RUNNING INJURIES BASED ON FOOTWEAR</p>	<p>Jessica Jones IU South Bend Mentor: D. Marr</p> <p>EFFECTS OF ARBUSCULAR MYCORRHIZAL FUNGI ON PLANT GROWTH AND SURVIVAL</p>	<p>Kaylin Laws Ball State University Mentor: C. Jenkins</p> <p>INVESTIGATION OF REDUCING HIGHLY CROSS-LINKED INVERSE VULCANIZED SULFUR POLYMERS</p>
<p>Adam Lloyd Ball State University Mentor: R. Sammelson</p> <p>SYNTHESIS OF SUBSTITUTED PYRAZOLINES AS INHIBITORS OF BACTERIAL INVASION</p>	<p>Michael Lopez Indiana University Mentor: B. Hocevar</p> <p>PROMOTION OF PANCREATIC CANCER BY PERFLUOROCTANOIC ACID (PFOA)</p>	<p>Emmanuel Makanjuola IUPUI Mentor: A. Kimble-Hill</p> <p>QUANTIFYING ACCH DOMAIN STABILITY VIA DIFFERENTIAL SCANNING FLUORIMETRY</p>	<p>Chenesairmwy Marimirofa Indiana University Mentor: W. Hetrick</p> <p>IDENTIFYING THE BRAIN REGIONS INVOLVED IN VERBAL FLUENCY</p>
<p>Jazmin Marks-Burns Ball State University Mentor: D. Bernstein</p> <p>INVESTIGATING THE EFFECTS OF PUS5 DELETION ON MITOCHONDRIAL ENCODED PROTEIN EXPRESSION IN CANDIDA ALBICANS AND SACCHAROMYCES CEREVISIAE</p>	<p>Xandria McDowell Indiana University Mentor: M. Swany</p> <p>SENSING THE ENVIRONMENT THROUGH A COMPUTER</p>	<p>Rebeca Mena Ball State University Mentor: M. Konkle</p> <p>MICROPLATE-BASED COLORIMETRIC DETECTION OF FREE HYDROGEN SULFIDE PRODUCED BY MITONEET AND CYSTEINE</p>	<p>Diavian Miller Indiana University Mentor: J. Beggs</p> <p>ARE THE CLINICAL STATE-OF-THE-ART BRAIN IRRADIATION METHODS SAFE AND EFFECTIVE?</p>
<p>David Mitchell IU South Bend Mentor: A. Schanbel</p> <p>POLLINATOR DIVERSITY AND ABUNDANCE IN NEIGHBORING URBAN WETLANDS</p>	<p>Deanna Molina Indiana University Mentor: S. Newman</p> <p>THE IMPACT OF VIDEO GAME MECHANICS ON MEMORY AND LEARNING</p>	<p>Carlos Montalvo-Hernandez IUPUI Mentor: S. Li</p> <p>ALL-IN-ONE POTHOLE MACHINE</p>	<p>Christian Moreno IU South Bend Mentor: Marmorino</p> <p>DEVELOPMENT OF TOOL TO OPERATE ON PERIODIC TRENDS</p>

<p>Lionnel Nkurunziza IUPUI Mentor: C. Lapish</p> <p>THE ATTENTIONAL SET SHIFTING TASK AS A MEASURE OF COGNITIVE FLEXIBILITY IN WISTAR RATS AND ALCOHOL-PREFERRING P RATS</p>	<p>ChiChi Nnatubeugo Ball State University Mentor: M. Konkle</p> <p>ALLOSTERIC REGULATION OF GLUTAMATE DEHYDROGENASE 1 BY MITONEET</p>	<p>Nicholas Olchawa IU Northwest Mentor: Gao</p> <p>ME31BROLE IN MRNA REGULATION</p>	<p>Imani Poua IU South Bend Mentor: P. Connor</p> <p>NOT REPORTED</p>
<p>Kiarra Pratchett Indiana University Mentor: D. Habeeb</p> <p>INVESTIGATING ENVIRONMENTAL SENSING FOR HEALTH AND WELLNESS</p>	<p>TyLynn Roberts IUPUI Mentor: R. Roper</p> <p>DETERMINING OPTIMAL TISSUE PROTEIN CONCENTRATIONS TO QUANTIFY DYRKLA PROTEIN LEVELS IN DEVELOPING MOUSE BRAIN USING WESTERN BLOT</p>	<p>Jose Rodriguez Ball State University Mentor: P. Albiniak</p> <p>INVESTIGATION OF THE IMPACT OF CYANO SUBSTITUTES ON THE REACTIVITY OF OXYPYRIDINIUM SALTS</p>	<p>Salvador Valle Rodriguez Ivy Tech Community College Research completed at: NSF REU Site for Interdisciplinary Materials Research at SIUC Mentor: I. Suni</p> <p>ELECTRODEPOSITION OF GERMANIUM TELLURIDE</p>
<p>Pedro Sanchez Cisnero IUPUI Mentor: R. Minto</p> <p>INITIAL STUDIES FOR A STRUCTURE - FUNCTIONAL ANALYSIS OF PHANEROCHAETE CHRYSOSPORIUM DESATURASE</p>	<p>Emmanuel Scaife Indiana University Mentor: W. Kenkel</p> <p>AN INVESTIGATION INTO PRAIRIE VOLE PAIR-BOND FORMATION</p>	<p>Sinai Valdez IUPUI Mentor: L. Plotkin</p> <p>MECHANISM OF OSTEOCLAST DIFFERENTIATION INDUCED BY APOPTOTIC OSTEOCYTES</p>	<p>Princess Walker Ball State University Mentor: C. Jenkins</p> <p>MODIFICATION OF POLY(S-DVB) USING MALEIMIDE</p>
<p>Brooklyn Williams IUPUI Mentor: B. Perrin</p> <p>CORTACTIN'S ROLE IN STEREOCILIA STABILITY</p>			