

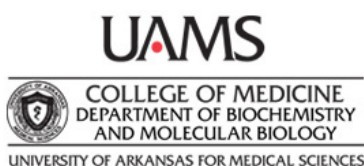


**Ninth Annual Arkansas
Undergraduate Summer Research Symposium
at the University of Arkansas for Medical Sciences**



**I. Dodd Wilson Education Building, Lecture Hall, Room 126
University of Arkansas for Medical Sciences
Little Rock, Arkansas
Wednesday, July 27, 2022
8:30 AM – 4:00 PM**

Pick up registration materials between 7:30 AM – 8:30 AM



Department of Biochemistry & Molecular Biology

Ninth Annual Arkansas Undergraduate Summer Symposium Program

All events will take place in the I. Dodd Wilson Education Building in Lecture Hall 126 and the atrium

7:30 – 8:30 am	Pick up registration materials at Registration desk / Validate parking (Atrium) (Kathy Carlson/Kahla Robinson/Heather Garringer) Arrival and poster set-up
8:30 am	Welcome and Opening remarks (Lecture Hall 126) Grover P. Miller, PhD
8:45 – 10:15 am	Oral Platform Session I / Odd Talks T1, T3, T5, T7, T9, T11 (Lecture Hall 126) Session I Chair: Samantha Kendrick, PhD
10:15 – 10:30 am	Break
10:30 – 11:30 pm	Poster Platform Session I – Odd number posters (Atrium)
11:30 – 12:15 pm	Lunch (free for registrants only) & Panel session – “Getting on track with career in research” (Lecture Hall 126)
12:15 – 1:15 pm	Poster Platform Session II – Even number posters (Atrium)
1:15 – 2:45 pm	Oral Session II / Even Talks T2, T4, T6, T8, T10, T12 (Lecture Hall 126) Session II Chair: Alicia Byrd, PhD
2:45 – 3:00 pm	Break
3:00 pm	Introduction of speaker (Lecture Hall 126) Grover P. Miller, PhD
3:05 – 3:30 pm	“How I spent my summer... undergraduate research that led to a career in structural biology” Eric Enemark, PhD, Associate Professor Department of Biochemistry and Molecular Biology
3:30 pm	Student recognition and Closing remarks Samantha Kendrick, PhD and Grover P. Miller, PhD

Poster set-up: Each poster has been assigned a number that corresponds to a specific poster board.

Participants should put up posters prior to 8:30 am if possible.

Oral Platform Session I: Each speaker will have 12 minutes followed by 3 minutes for questions.

Poster Platform Session I: Those students who have been assigned a poster board with an **ODD number** are requested to stand by their posters from **10:30 am to 11:30 am**.

Lunch: Lunch will be served in Room 105 A/B (*lunch is free for registrants only*)

Poster Platform Session II: Those students who have been assigned a poster board with an **EVEN number** are requested to stand by their posters from **12:15 pm to 1:15 pm**.

Oral Platform Session II: Each speaker will have 12 minutes followed by 3 minutes for questions.

Organizer: Grover P. Miller, PhD

Organized and Sponsored by the Department of Biochemistry and Molecular Biology at the University of Arkansas for Medical Sciences along with the Graduate School and the Arkansas INBRE program, supported by grant funding from the National Institute of General Medical Sciences (NIGMS) (P20 GM103429)

*Special thanks to Departmental staff who have made this meeting possible:
Kathy Carlson, Kahla Robinson, and Heather Garringer*

We also thank Joseph Utecht in the Dept. of Biomedical Informatics for helping put together this program.

Talk Session I / odd number talks
8:45 am – 10:15 am

T1 Tayler Appleton

Tayler B. Appleton¹, David Donley¹

"Myeloperoxidase is a mediator of inflammation in cultured mouse microglial cells in response to amyloid-beta 42"

Harding University¹

T3 Erik Bergstrom

Erik Bergstrom¹, Matthew Thompson²

"Purification of DNA Helicase B to determine the effect of a disease-associated variant"

Missouri University of Science and Technology¹

University of Arkansas for Medical Sciences²

T5 Jennifer Chen

Jennifer Chen¹, Tahseen Raza²

"Cloning a Vaccinia Virus Host Range Determinant, C7L, into a Bacterial Expression Vector for Biophysical Analysis of the Purified Protein"

University of Arkansas - Fayetteville¹

University of Arkansas for Medical Sciences²

T7 Hope Murphy

Hope Murphy¹

"A New Approach to Modifying Alginate for Use in Biomedical Applications"

Ouachita Baptist University¹

T9 Victoria Ortega

Victoria Ortega¹

"Quantifying Musashi Protein in Offspring Born to Undernourished Mothers through Diet-Induced Leptin Surge Alteration"

Hendrix College¹

T11 Jacob Ponder

Jacob Ponder¹, Sangeeta Khare¹

"Investigation into sex and strain specific variability of high fat diet on gastrointestinal tract and microbiome"

NCTR¹

Post Session I / odd number posters
10:30 am – 11:30 am

P1 Abdussamad Akhter

Darin Jones¹

"Preparation of GRB2 Dimer Stabilizers for Improved Cellular Activity"

University of Arkansas for Medical Sciences¹

P3 Johnna Berryhill

Johnna Berryhill¹

"Impact of Maternal Mental Health and Substance Use Disorders on Infant Mortality in Arkansas: Evidence From the Claims Database"

Arkansas State University¹

P5 Morganne Browning

Morganne Browning¹, Jamie I. Baum²

"Development and Analysis of 3D Printed Protein Bars Targeting the Female Athlete Triad"

Arkansas Tech University¹

University of Arkansas - Fayetteville²

P7 Joseph Chrisman

Joseph Chrisman¹, Abeer Alnasrawi²

"The study of the effect of Bacillus expressing plant elicitor peptides on germination and growth parameters in soybean plants"

University of the Ozarks¹

University of Arkansas - Fayetteville²

P9 Madison Connaway

Madison Connaway¹

"In Vitro Effects of Lead on Mitochondrial Function and Oxidative Stress"

Hendrix College¹

P11 Cierra Daniels

Bill Gunderson¹

"Kinetics of NO Reduction by the Repair of Iron-Center Enzyme, YtfE"

Hendrix College¹

P13 Daniel Davis

Daniel Davis¹, Ariel Winston¹

"Refractive Index Determination Using a Michelson Interferometer"

Lane College¹

P15 Elijah Dilday

Alex Pablo-Kaiser¹, Avery Olmstead¹

"Dominant effects of the histone mutant H3-L61R on Spt16-gene interactions in budding yeast."

Hendrix College¹

- P17 Maria Dow**
Maria Ines Dow¹
"The Study of the Change of Chemical Space of the Raw and Vinegar Baked Salvia officinalis"
Arkansas State University¹
- P19 Ragan Edison**
Ragan Edison¹
"Quantifying Mitochondrial Organization of in vivo Aged Skin"
Harding University¹
- P21 Luke Enemark**
Luke Enemark¹, Dr. Debasmita Saha²
"Drug Development for BRK Kinase Inhibition"
Johns Hopkins University¹
University of Arkansas for Medical Sciences²
- P23 Surabhee Eswaran**
Surabhee Eswaran¹, James Raymick¹
"Evaluation of Pericytes in a Double Transgenic (APPPS1) Rat Model of Alzheimer Disease"
NCTR¹
- P25 Ariel Gary**
Ariel Gary¹
"Sapphire Wave Guide"
University of Arkansas - Pine Bluff¹
- P27 Nathaniel Gonzales**
Nathaniel Gonzales¹, Suresh Thallapuranam²
"Characterization of the Structure and Stability of Wildtype FGF2 and Decoy FGF2"
University of Arkansas - Fort Smith¹
Arkansas State University²
- P29 Austin Hall**
Austin Hall¹, Sumit Sarkar¹
"Serial Electron Microscopic Analysis of the Hippocampus from an Alzheimer Transgenic Rat"
NCTR¹
- P31 Louisa House**
Douglas Rhoads¹
"Genome Characterization of Staphylococcus cohnii from Chicken BCO Isolates"
University of Arkansas - Fayetteville¹
- P33 Daniel Jackson**
Daniel Jackson¹
"Fusarium viguliforme stimulated Soybean Sudden Death Syndrome and the Suppressive effect of Soil Microbiome"
Arkansas State University¹

- P35** **Melanie Joan**
Melanie M. Joan¹
"Assessing the Effects of Retinoic Acid on the Development of Daphnia magna"
Southern Arkansas University¹
- P37** **Kennedy Johnson**
Kennedy Johnson¹
"Examination of ZnTPP-4AB as a potential photodynamic therapy agent"
Ouachita Baptist University¹
- P39** **Imeril Johnson**
Imeril Johnson¹
"Divalent Mg²⁺ Ion Interactions with a Functionalized Surface and DNA"
University of Central Arkansas¹
- P41** **Micheal Knox**
Pathak Rupak¹
"Mevalonate Pathway Inhibitors Potentiate the Efficacy of Chemotherapeutic Drugs to Limit Cancer Cell Growth"
University of Arkansas for Medical Sciences¹
- P43** **Angela Lee**
Angela Lee¹, Kuppan Gokulan¹
"Pharmacokinetics of Zileuton Nanocrystal Drug Formulation using rat model"
NCTR¹
- P45** **Nate Lemke**
Nate Lemke¹
"The Role of DNA Ligases in Bdelloid Rotifer DNA Repair"
Hendrix College¹
- P47** **Sarah Marks**
Sarah Marks¹, Timothy Flanigan²
"Minimal Effects of Perinatal Cannabidiol (CBD) Exposure on Social and Anxiety-like Behavior in Sprague-Dawley Rats"
John Jay College of Criminal Justice¹
NCTR²
- P49** **Kñeisha McDonald**
Kñeisha McDonald¹, Jingyi Chen²
"Investigation of Photothermal Properties of Gold Nanocages for Their Potential Use in Photothermal Therapy"
University of the Ozarks¹
University of Arkansas - Fayetteville²
- P51** **Mary Katherine McKenzie**
Mary Katherine McKenzie¹
"Investigation of the interactions between Rev1 and DHX36 during replication of G-quadruplex DNA"
Henderson State University¹

- P53 Nathania Nischal**
Nathania Nischal¹, Luisa Camacho¹
"Assessment of Alternative Skin Barrier Models for In Vitro Permeation Testing"
NCTR¹
- P55 Bethany Paxton**
Bethany Paxton¹
"Rev1-Mediated Replication of G-Quadruplexes"
Henderson State University¹
- P57 Kaydee Price**
Kaydee Price¹
"The Effect of Varying pH on the Leaching of BPA from Panty Liners"
Ouachita Baptist University¹
- P59 Dillon Rea**
Dillon Rea¹, Lei Yang¹
"Synthesis and Characterization of Copper Complexes Supported by A Binucleating Amide Ligand"
University of Central Arkansas¹
- P61 Isabel Ritter**
Isabel Ritter¹
"Investigating the role for DNA polymerase kappa as a sensor of redox imbalance in glioblastoma"
Hendrix College¹
- P63 Monica Sadaka**
Monica Sadaka¹, Tina Hesabizadeh²
"Antimicrobial and antibiofilm potential of copper oxide and selenium nanoparticles against urinary tract pathogens"
University of Arkansas - Fayetteville¹
University of Arkansas - Little Rock²
- P65 Alyssa Scott**
Alyssa Scott¹
"Ferristatin alleviates inflammation-associated oxidative stress in activated cultured mouse microglial cells."
Harding University¹
- P67 Robert Shaver**
Robert Stone Shaver¹
"Synthetic mechanical loading on atg-7 conditional knockout murine bone in vitro with Yoda1"
University of Arkansas for Medical Sciences¹
- P69 Abbigale Sullins**
Abbigale Sullins¹, Joshua C. Kwekel¹
"Establishing a Zebrafish Colony: Considerations for Animal Husbandry, Regulatory Guidance, and Undergraduate Research and Coursework"
Ouachita Baptist University¹

- P71 Cole Tuner**
Cole Turner¹, Jim Taylor¹
"The Effect of Light and Gravity on the Development of D. discoideum"
Ouachita Baptist University¹
- P73 Sophia Ward**
Sophia Ward¹, Jim Taylor¹
"The Effect of Light Intensity on Cell Population and Oxygen Production of Arthrospira platensis"
Ouachita Baptist University¹
- P75 Drew Webb**
Drew Webb¹
"Effects of a Nutrition/Physical Education Program on Children's BMI"
Ouachita Baptist University¹
- P77 Kyla Williams**
Kylar Williams¹, Kevin Cornelius¹
"Watermelon Sweetness Prediction Based on Emitted Vibrational Frequencies"
Ouachita Baptist University¹
- P79 Katherine Willis**
Katherine Willis¹, Hannah Seats¹
"Preparing for space travel: Optimizing abiotic factors for enhanced plastic biodegradation by G. mellonella"
Arkansas State University¹
- P81 Yiren Zhang**
Yiren Zhang¹
"Structural characterization of inhibitors of the NSP13 helicase of SARS-CoV-2"
Colorado College¹

Poster Session II / even number posters
12:15 pm – 1:15 pm

P2 Cecile Barnes

Cecile Barnes¹, Katie McGraw²

"Characterization of the effect of a PPAR-γ agonist on METH-induced inflammation in rodent hepatic tissues."

University of Arkansas - Little Rock¹

University of Arkansas for Medical Sciences²

P4 Amie Brint

Amie Brint¹, Brian Parks²

"Role of Placental P-Glycoprotein in Norbuprenorphine-induced Neonatal Opioid Withdrawal Syndrome"

University of Arkansas - Little Rock¹

University of Arkansas for Medical Sciences²

P6 Jamie Chen

Jamie Chen¹

"Synthesis of multi-modal drugs targeting trypanosoma parasites"

University of Central Arkansas¹

P8 Caroline Cole

Caroline Cole¹

"Accelerating Tissue Regeneration with Protein-Loaded Fiber Mats"

Ouachita Baptist University¹

P10 Haley Cox

Haley Cox¹

"Synthesizing CO₂ reducing catalyst into alternative fuel sources"

University of Central Arkansas¹

P12 Madeline Davidson

Madeline Davidson¹, Tori B. Dunlap¹

"Investigating the calcium ion induced changes in the calmodulin-binding protein PEP-19"

University of Central Arkansas¹

P14 Kathryn Diekman

Kathryn Diekman¹

"Activation of fork reversal in response to defective translesion synthesis past G-quadruplexes"

Hendrix College¹

P16 Aidan Doss

Aidan Doss¹, Sarita Garg²

"The relationship between mTOR and autophagy in methionine-restricted cancer cells"

Ouachita Baptist University¹

University of Arkansas for Medical Sciences²

- P18 Madison Easley**
Madison Easley¹
"Monitoring BPA Leaching from Feminine Hygiene Products using Fluorescence Spectrophotometry"
Ouachita Baptist University¹
- P20 Robin Eluvathingal**
Robin Eluvathingal¹
"KRAS RAD18 Expression and its Effects on Cell Viability and Radiosensitivity in Pancreatic Cancer Cells"
University of Arkansas - Fayetteville¹
- P22 Dayoung Eom**
Dayoung Eom¹, Dr. Aaron Storey²
"Optimization of Plate based Solvent Precipitation, Single-pot, Solid-Phase Sample Preparation (SP4) method with positive pressure manifold"
University of Central Arkansas¹
University of Arkansas for Medical Sciences²
- P24 Lauren Fowler**
Lauren Fowler¹
"Assessment of Nutrition Status of Adults Using the Nutrition Focused Physical Examination"
Ouachita Baptist University¹
- P26 Jax Gill**
Jax Gill¹
"Expression Levels of the Anti-Apoptotic BCL2 Family Explain why Primary Effusion Lymphoma Cell Lines Selectively Depend on MCL1 for Survival."
Arkansas State University¹
- P28 Claire Greene**
Claire Greene¹
"H2AX C-Terminal Tail linker region regulates 53BP1 recruitment to damaged chromatin"
Arkansas State University¹
- P30 Jude Hanson**
Jude Hanson¹
"Constructing an adenovirus to express hemagglutinin-tagged MC4R in primary neurons"
Rhodes College¹
- P32 Savannah Huyvaert**
Savannah Huyvaert¹
"Lung cancer-derived exosomes stimulate tumor angiogenesis"
University of Colorado Boulder¹
- P34 Luke Jeffus**
Luke Jeffus¹, Christin Pruett¹
"A survey of mammals at Jack Mountain Wildlife Management Area using game cameras"
Ouachita Baptist University¹

- P36 Kaylee Johnson**
Kaylee Johnson¹
"The Development of Photodynamic Therapy Using a New Water-Soluble Zinc Porphyrin ZnTPP-5AP"
Ouachita Baptist University¹
- P38 Carsten Johnson**
Carsten Johnson¹
"Passive Tracking Solar Panel System"
Ouachita Baptist University¹
- P40 Erica Johnson**
Erica Johnson¹
"Epigenetic Effects of BPA in an Asthma Mouse Model"
University of Central Arkansas¹
- P42 Tra Le**
Tra Le¹, Alexx Weaver ¹
"Cytotoxicity of the prenylated stilbenoid arachidin-1 from peanut in combination with paclitaxel on triple-negative breast cancer cells"
Arkansas State University¹
- P44 Michael Lee**
Michael Lee¹, Joshua C. Kwekel¹
"From Necropsy to H&E: Optimizing Protocols for Zebrafish Histology"
Ouachita Baptist University¹
- P46 Victoria Lopez**
Victoria Lopez¹
"Macrophage Inflammasome Trap Shigella flexneri"
University of the Ozarks¹
- P48 Nathan May**
Nathan May¹, Johnna Berryhill¹
"Racial and other disparities in substance abuse treatment completion success among pregnant women."
Arkansas State University¹
- P50 Zach McGowan**
Zach McGowan¹, jiangq@uapb.edu¹
"Synthesis of SnO2 3D hollow Nano beads and Toxicity in cell"
University of Arkansas - Pine Bluff¹
- P52 Elizabeth Morgan**
Elizabeth Morgan¹, David Donley¹
"mir-147b Inhibition Increases Inflammation in Response to Amyloid-beta in Cultured Microglial Cells"
Harding University¹

- P54 Avery Olmstead**
Alex Pablo-Kaiser¹, Elijah Dilday¹
"Dominant effects of the histone mutant H3-L61R on Spt16-gene interactions in budding yeast."
Hendrix College¹
- P56 Alekhya Pidugu**
Alekhya Pidugu¹, Katelin Matazel¹
"Modeling Vascular Pathology of Alzheimer's Disease Using Human Induced Pluripotent Stem Cells (hiPSCs)"
NCTR¹
- P58 Caden Pulliam**
Caden Pulliam¹, Christin Pruett¹
"Assessing patterns of habitat use by breeding birds at Jack Mountain Wildlife Management Area"
Ouachita Baptist University¹
- P60 Marlee Richardson**
Marlee Richardson¹, Grover P. Miller²
"How does Prozac® (fluoxetine) affect the metabolism of synthetic cannabinoids?"
Westminster College MO¹
University of Arkansas for Medical Sciences²
- P62 Justin Roberts**
Justin Roberts¹, Mohammad A. Alam²
"Synthesis and antimicrobial properties of Catechol and Phenol Derived thiazoles"
Arkansas State University¹
Arkansas State University²
- P64 BreeAnna Scott**
BreeAnna Scott¹, Aric Anloague²
"Pathological cross-talk between osteocytes and cancer cells in Bone Metastatic Breast Cancer"
University of Arkansas - Fayetteville¹
University of Arkansas for Medical Sciences²
- P66 Sreevatsav Seenivasan**
Sreevatsav Seenivasan¹
"Structural basis of Rev-1 activities related to G-4 replication"
University of Arkansas - Fayetteville¹
- P68 Dillon Simmons**
Dillon Simmons¹
"EPR Characterization of NO reduction by YtfE"
Hendrix College¹

- P70 Stephanie Sung**
Stephanie Sung¹, Laura K. Schnackenberg¹
"Optimizing the urea assay for human primary hepatocytes cocultured with non-parenchymal cells in a liver-on-a-chip system for the study of drug-induced liver injury"
NCTR¹
- P72 Stetson Van Matre**
Stetson Van Matre¹
"Targeting Cyclin-Dependent Kinase 1 to Radiosensitize Pancreatic Cancer"
University of Central Arkansas¹
- P74 Alexx Weaver**
Alexx Weaver¹
"Studying cyclic dimeric AMP-dependent signaling in the tickborne relapsing fever spirochete, Borrelia turicatae"
Arkansas State University¹
- P76 Josie White**
Josie White¹, Sharon Hamilton¹
"Developing and Optimizing a Poly(Caprolactone)-Based Collagen Mimic for Modern Wound Dressings"
Ouachita Baptist University¹
- P78 Jordan Williams**
Jordan Williams¹
"Diabetic Retinopathy"
Arkansas State University¹
- P80 Licheng Xu**
Licheng Xu¹, Fusheng Tang¹
"Up-regulation of Osh6 prolongs G2 phase"
University of Arkansas - Little Rock¹

<p>Talk Session II / even number talks 1:15 pm – 2:45 pm</p>
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T2 Izzeldin Ahmed

Izzeldin Ahmed¹

"What are the Drug-to-Drug Interactions Between Xanax and Synthetic Cannabinoids?"

Arkansas State University¹

T4 Cody Funk

Cody Funk¹, Jasleen Saini²

"Development of a Methanosarcina acetivorans NifB expression strain to aid in discovering the function of NifB in methanogens"

John Brown University¹

University of Arkansas - Fayetteville²

T6 Kaitlyn Gilkey

Kaitly Gilkey¹, Usama Hussein²

"Oncogenic overexpression of MED12 favors resistance to the CDK8 inhibitors in acute myeloid leukemia"

Hendrix College¹

University of Arkansas for Medical Sciences²

T8 Walker Hendricks

Walker Hendricks¹

"A Novel Plate-Based Method for Proteomic Analysis of GeLC-12 Protein Samples"

Harding University¹

T10 Nicole Preston

Nicole Preston¹, Desislava Marinkova Kaloyanov²

"Can macrophage senescence be a consequence of obesogenic factors?"

University of Arkansas - Fayetteville¹

University of Arkansas for Medical Sciences²

T12 Kendal Rainey

Kendal Rainey¹

"A Potential Role of Histone H2A Proteins in Bdelloid Rotifer DNA Repair"

Hendrix College¹

Name (First)	Name (Last)	Undergraduate Institution	Undergraduate Research Program	Registration Title / Session Information
1. Izzeldin	Ahmed	Arkansas State University	SURF (Biochemistry and Molecular Biology, UAMS)	T2, Oral
2. Abdussamad	Akhter	University of Arkansas - Fayetteville	Summer Research Internship Program (SRI)	P1, Poster
3. Mohammad	Alam	Arkansas State University		Faculty Mentor/Judge
4. Jahangir	Alam	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
5. Chiraz	Amrine	Arkansas Tech University		Faculty Mentor
6. Tayler	Appleton	Harding Universtiy		T1, Oral
7. Nathan	Avaritt	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
8. Rushita	Bagchi	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor/Judge
9. Giulia	Baldini	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
10. Cecile	Barnes	University of Arkansas - Little Rock	Summer Undergraduate Research Program - SURP (UAMS)	P2, Poster
11. Joey	Beard	Hendrix College	BCMB Research (Hendrix College)	Non-Presenter
12. Binyam	Belachew	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
13. Erik	Bergstrom	Missouri University of Science and Technology	SURF (Biochemistry and Molecular Biology, UAMS)	T3, Oral
14. Johnna	Berryhill	Arkansas State University	ABI Undergraduate Research	P3, Poster
15. Sudeepa	Bhattacharyya	Arkansas State University		Faculty Mentor
16. Jordan	Bird	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
17. Jon	Blevins	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor
18. Joey	Bradshaw	Ouachita Baptist University		Faculty Mentor
19. Lisa	Brents	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor/Judge
20. Amie	Brint	University of Arkansas - Little Rock	Summer Undergraduate Research Prigram - SURP (UAMS)	P4, Poster
21. Susie	Brown	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
22. Morganne	Browning	Arkansas Tech University	IDEA Network of Biomedical Research Excellence (INBRE)	P5, Poster
23. Rafael	Bustillo	Ouachita Baptist University	OBU Summer Research Program	Non-Presenter

Name (First)	Name (Last)	Undergraduate Institution	Undergraduate Research Program	Registration Title / Session Information
24. Alicia	Byrd	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor/Judge
25. Luisa	Camacho	National Center for Toxicological Research (NCTR)		Faculty Mentor
26. Kathy	Carlson	University of Arkansas for Medical Sciences (UAMS)		Administrator
27. Jayden	Carter	University of Central Arkansas	Professional Research Opportunity (PRO)	Non-Presenter
28. Jamie	Chen	University of Central Arkansas	UCA Summer Researcher, Naumiec Lab	P6, Poster
29. Jennifer	Chen	University of Arkansas - Fayetteville	Summer Undergraduate Research Program - SURP (UAMS)	T5, Oral
30. Sree	Chintapalli	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
31. Joseph	Chrisman	University of the Ozarks	IDEA Network of Biomedical Research Excellence (INBRE)	P7, Poster
32. Caroline	Cole	Ouachita Baptist University	OBU Summer Research Program	P8, Poster
33. Madison	Connaway	Hendrix College	Summer Undergraduate Research Program - SURP (UAMS)	P9, Poster
34. Kevin	Cornelius	Ouachita Baptist University		Faculty Mentor/Judge
35. Haley	Cox	University of Central Arkansas	Advancement of Undergraduate Research in the Sciences	P10, Poster
36. Samantha	Crosby	University of Arkansas for Medical Sciences (UAMS)		Administrator
37. Cierra	Daniels	Hendrix College	Hendrix Odyssey Program	P11, Poster
38. Madeline	Davidson	University of Central Arkansas	Summer Researcher UCA Dunlap Lab	P12, Poster
39. Dr. Consuella	Davis	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor/Judge
40. Daniel	Davis	Lane College	National Science Foundation(SPF) & Society of Physics Students (SPS)	P13, Poster
41. Jesus	Delgado-Calle	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor/Judge
42. Kalyani	Dhusia	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
43. Alan	Diekman	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge

Name (First)	Name (Last)	Undergraduate Institution	Undergraduate Research Program	Registration Title / Session Information
44. Kathryn	Diekman	Hendrix College	SURF (Biochemistry and Molecular Biology, UAMS)	P14, Poster
45. Elijah	Dilday	Hendrix College	BCMB Research (Hendrix College)	P15, Poster
46. Ruud	Dings	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor/Judge
47. Claire	Doshier	Vanderbilt University	SURF (Biochemistry and Molecular Biology, UAMS)	Non-Presenter
48. Aidan	Doss	Ouachita Baptist University	SURF (Biochemistry and Molecular Biology, UAMS)	P16, Poster
49. Angela	Douglass	Ouachita Baptist University		Faculty Mentor
50. Maria	Dow	Arkansas Tech University	UAMS PMSS program	P17, Poster
51. Andrea	Duina	Hendrix College		Faculty Mentor/Judge
52. Lynn	Duncan	University of Arkansas - Pine Bluff		Non-Presenter
53. Tori	Dunlap	University of Central Arkansas		Faculty Mentor/Judge
54. Madison	Easley	Ouachita Baptist University	OBUS Summer Research Program	P18, Poster
55. Ragan	Edison	Harding University	IDEA Network of Biomedical Research Excellence (INBRE)	P19, Poster
56. Ricky	Edmondson	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
57. Robin	Eluvathingal	University of Arkansas - Fayetteville	Summer Research Internship Program (SRI)	P20, Poster
58. Eric	Enemark	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
59. Luke	Enemark	Johns Hopkins University	IDEA Network of Biomedical Research Excellence (INBRE)	P21, Poster
60. Robert	Eoff	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor/Judge
61. Dayoung	Eom	University of Central Arkansas	IDEA National Resource for Quantitative Proteomics Internship Program	P22, Poster
62. Surabhee	Eswaran	Tulane University	NCTR Summer Student Research Program	P23, Poster
63. Timothy	Flanigan	National Center for Toxicological Research (NCTR)		Faculty Mentor/Judge
64. Lauren	Fowler	Ouachita Baptist University	OBUS Summer Research Program	P24, Poster
65. Cody	Funk	John Brown University	IDEA Network of Biomedical Research Excellence (INBRE)	T4, Oral

Name (First)	Name (Last)	Undergraduate Institution	Undergraduate Research Program	Registration Title / Session Information
66. Jun	Gao	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
67. Sarita	Garg	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
68. Kinsey	Garofalo	University of Arkansas - Little Rock	Summer Research Internship Program (SRI)	Non-Presenter
69. Heather	Garringer	University of Arkansas for Medical Sciences (UAMS)		Administrator
70. Ariel	Gary	University of Arkansas - Pine Bluff		P25, Poster
71. Allen	Gies	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
72. Kaitlyn	Gilkey	Hendrix College	ACH Summer Science Program	T6, Oral
73. Jax	Gill	Henderson State University	IDEA Network of Biomedical Research Excellence (INBRE)	P26, Poster
74. Kuppan	Gokulan	National Center for Toxicological Research (NCTR)		Faculty Mentor/Judge
75. Nathaniel	Gonzales	University of Arkansas - Fort Smith	INBRE Cancer Fellowships	P27, Poster
76. Claire	Greene	Arkansas State University	SURF (Biochemistry and Molecular Biology, UAMS)	P28, Poster
77. Haven	Griffin	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
78. Bill	Gunderson	Hendrix College		Faculty Mentor/Judge
79. Julie	Gunderson	Hendrix College		Faculty Mentor/Judge
80. Austin	Hall	University of Central Arkansas	NCTR Summer Student Research Program	P29, Poster
81. Sharon	Hamilton	Ouachita Baptist University		Faculty Mentor/Judge
82. Jude	Hanson	Rhodes College	Summer Undergraduate Research Program - SURP (UAMS)	P30, Poster
83. Walker	Hendricks	Harding University	IDEA National Resource for Quantitative Proteomics Internship Program	T8, Oral
84. Colin	Heyes	University of Arkansas - Fayetteville		Faculty Mentor/Judge
85. Elisabeth	Hicklin	University of Central Arkansas		Non-Presenter
86. Latorya	Hicks	Hendrix College		Judging Only/Judge
87. Louisa	House	John Brown University	IDEA Network of Biomedical Research Excellence (INBRE)	P31, Poster
88. Sara	Hubbard	Ouachita Baptist University		Faculty Mentor/Judge

Name (First)	Name (Last)	Undergraduate Institution	Undergraduate Research Program	Registration Title / Session Information
89. Md Nazmul	Huda	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
90. Liz	Hulin	Ouachita Baptist University	OBU Summer Research Program	Non-Presenter
91. Savannah	Huyvaert	University of Colorado Boulder	SURF (Biochemistry and Molecular Biology, UAMS)	P32, Poster
92. Daniel	Jackson	Arkansas State University	Summer Research Internship Program (SRI)	P33, Poster
93. Joonas	Jaemsen	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
94. Rahul	Jaiswal	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
95. Luke	Jeffus	Ouachita Baptist University	OBU Summer Research Program	P34, Poster
96. Melanie	Joan	Southern Arkansas University		P35, Poster
97. Kaylee	Johnson	Ouachita Baptist University	OBU Summer Research Program	P36, Poster
98. Kennedy	Johnson	Ouachita Baptist University	OBU Summer Research Program	P37, Poster
99. Carsten	Johnson	Ouachita Baptist University	OBU Summer Research Program	P38, Poster
100. Imeril	Johnson	University of Central Arkansas	Undergraduate Research Credit	P39, Poster
101. Erica	Johnson	University of Central Arkansas	SURF (Pharmacology and Toxicology, UAMS)	P40, Poster
102. Oleg	Karaduta	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
103. Jessica	Kelliher	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
104. Tom	Kelly	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
105. Samantha	Kendrick	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor
106. Amit	Ketkar	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
107. Sangeeta	Khare	National Center for Toxicological Research (NCTR)		Faculty Mentor/Judge
108. Micheal	Knox	University of Arkansas for Medical Sciences (UAMS)	Summer Research Internship Program (SRI)	P41, Poster
109. Brian	Koss	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
110. Renny	Lan	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge

Name (First)	Name (Last)	Undergraduate Institution	Undergraduate Research Program	Registration Title / Session Information
111. Tra	Le	Arkansas State University		P42, Poster
112. Angela	Lee	University of Michigan	NCTR Summer Student Research Program	P43, Poster
113. Michael	Lee	Ouachita Baptist University	OBUS Summer Research Program	P44, Poster
114. Nate	Lemke	Hendrix College	BCMB Research (Hendrix College)	P45, Poster
115. Yeut-Kin "Ricky"	Leung	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor
116. Victoria	Lopez	University of the Ozarks	Idea Network of Miomedical Research Excellence (INBRE)	P46, Poster
117. Mark	Manzano	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor
118. John	Marecki	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
119. Desislava	Marinkova Kaloyanov	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor
120. Sarah	Marks	John Jay College of Criminal Justice	NCTR Summer Student Research Program	P47, Poster
121. Marsha	Massey	University of Central Arkansas		Faculty Mentor/Judge
122. Nathan	May	Arkansas State University		P48, Poster
123. Alex	McDonald	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor
124. Kñeisha	McDonald	University of the Ozarks	Idea Network of Miomedical Research Excellence (INBRE)	P49, Poster
125. Zach	McGowan	University of Arkansas for Medical Sciences (UAMS)	Connect Arkansas Researcher Scholars (CARS)	P50, Poster
126. Madison	McGraw	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor
127. Mary Katherine	McKenzie	Henderson State University	INBRE Cancer Fellowships	P51, Poster
128. Diane	McKinstry	University of Arkansas for Medical Sciences (UAMS)		Administrator
129. Page	McKinzie	National Center for Toxicological Research (NCTR)		Administrator
130. Jomeeka	Meeks	University of Arkansas for Medical Sciences (UAMS)	Idea Network of Miomedical Research Excellence (INBRE)	Non-Presenter
131. Sayem	Miah	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
132. Grover	Miller	University of Arkansas for Medical Sciences (UAMS)	SURF (Biochemistry and Molecular Biology, UAMS)	Faculty Mentor

Name (First)	Name (Last)	Undergraduate Institution	Undergraduate Research Program	Registration Title / Session Information
133. Caroline	Miller Robinson	University of Arkansas for Medical Sciences (UAMS)		Administrator
134. Elizabeth	Morgan	Harding University	Summer Harding University Undergraduate Research	P52, Poster
135. Faris	Muasllam	Hendrix College	BCMB Research (Hendrix College)	Non-Presenter
136. Hope	Murphy	Ouachita Baptist University	OBU Summer Research Program	T7, Oral
137. Preeti	Nagar	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
138. Nathania	Nischal	University of Arkansas - Fayetteville	NCTR Summer Student Research Program	P53, Poster
139. Antoinette	Odendaal	Southern Arkansas University		Faculty Mentor/Judge
140. Avery	Olmstead	Hendrix College	BCMB Research (Hendrix College)	P54, Poster
141. Victoria	Ortega	Hendrix College	IDEA Network of Biomedical Research Excellence (INBRE)	T9, Oral
142. Brian	Parks	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor
143. Bethany	Paxton	Henderson State University	IDEA Network of Biomedical Research Excellence (INBRE)	P55, Poster
144. Eric	Peterson	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor/Judge
145. Alekhya	Pidugu	Emory University	NCTR Summer Student Research Program	P56, Poster
146. Jacob	Ponder	University of Central Florida	NCTR Summer Student Research Program	T11, Oral
147. Nicole	Preston	University of Arkansas - Fayetteville	Summer Undergraduate Research Program - SURP (UAMS)	T10, Oral
148. Kaydee	Price	Ouachita Baptist University	OBU Summer Research Program	P57, Poster
149. Dennis	Province	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor/Judge
150. Christin	Pruett	National Center for Toxicological Research (NCTR)		Faculty Mentor/Judge
151. Caden	Pulliam	Ouachita Baptist University	OBU Summer Research Program	P58, Poster
152. Ahmad	Qamar	University of Central Arkansas		Judging Only/Judge
153. Mohammad	Rahman	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor/Judge
154. Kendal	Rainey	Hendrix College	BCMB Research (Hendrix College)	T12, Oral

Name (First)	Name (Last)	Undergraduate Institution	Undergraduate Research Program	Registration Title / Session Information
155. Kevin	Raney	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor/Judge
156. Fidaus	Razak	University of Arkansas - Pine Bluff	Summer Undergraduate Research Program (UAPB)	Non-Presenter
157. Dillon	Rea	University of Central Arkansas	RUI National Science Foundation	P59, Poster
158. Marlee	Richardson	Westminster College MO	SURF (Biochemistry and Molecular Biology, UAMS)	P60, Poster
159. Isabel	Ritter	Hendrix College	SURF (Biochemistry and Molecular Biology, UAMS)	P61, Poster
160. Justin	Roberts	Arkansas State University	Idea Network of Miomedical Research Excellence (INBRE)	P62, Poster
161. Kahla	Robinson	University of Arkansas for Medical Sciences (UAMS)		Administrator
162. Samrat	Roy Choudhury	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor/Judge
163. Katie	Ryan	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
164. Monica	Sadaka	University of Arkansas - Fayetteville	NCTR Summer Student Research Program	P63, Poster
165. Alec	Salminen	National Center for Toxicological Research (NCTR)		Faculty Mentor
166. Sumit	Sarkar	National Center for Toxicological Research (NCTR)		Faculty Mentor/Judge
167. Andrew	Schurko	Hendrix College		Faculty Mentor/Judge
168. BreeAnna	Scott	University of Arkansas - Fayetteville	Idea Network of Miomedical Research Excellence (INBRE)	P64, Poster
169. Alyssa	Scott	Harding Universtiy	Harding Summer Undergraduate Research	P65, Poster
170. Thanaphat	Seeboonruang	Hendrix College	Hendrix Odyssey Program	Non-Presenter
171. Sreevatsav	Seenivasan	University of Arkansas - Fayetteville	Summer Research Internship Program (SRI)	P66, Poster
172. Reham	Sewilam	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor
173. Srihari	Shankar	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
174. Robert	Shaver	University of Arkansas for Medical Sciences (UAMS)	IDeA Network of Biomedical Research Excellence (INBRE)	P67, Poster
175. Marybeth	Shepard	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor

Name (First)	Name (Last)	Undergraduate Institution	Undergraduate Research Program	Registration Title / Session Information
176. Qiang	Shi	National Center for Toxicological Research (NCTR)		Faculty Mentor/Judge
177. Dillon	Simmons	Hendrix College	IDEA Network of Biomedical Research Excellence (INBRE)	P68, Poster
178. Aaron	Storey	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor/Judge
179. Abbigale	Sullins	Ouachita Baptist University	OBU Summer Research Program	P69, Poster
180. Kidon	Sung	National Center for Toxicological Research (NCTR)		Faculty Mentor
181. Stephanie	Sung	National Center for Toxicological Research (NCTR)	NCTR Summer Student Research Program	P70, Poster
182. Caroline	Tackett	Hendrix College	Hendrix Odyssey Program	Non-Presenter
183. Jim	Taylor	Ouachita Baptist University		Faculty Mentor/Judge
184. Noah	Taylor	University of Central Arkansas		Non-Presenter
185. Nathan	Taylor	University of Central Arkansas	RUI National Science Foundation	Non-Presenter
186. Matthew	Thompson	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
187. Julia	Tobacyk	University of Arkansas for Medical Sciences (UAMS)		Faculty Mentor
188. Cole	Tuner	Ouachita Baptist University	OBU Summer Research Program	P71, Poster
189. Alicja	Urbaniak	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
190. Stetson	Van Matre	University of Central Arkansas	INBRE Cancer Fellowships	P72, Poster
191. Feng	Wang	University of Arkansas - Fayetteville		Administrator/Judge
192. Sophia	Ward	Ouachita Baptist University	OBU Summer Research Program	P73, Poster
193. Jerry	Ware	University of Arkansas for Medical Sciences (UAMS)		Administrator/Judge
194. Alexx	Weaver	Arkansas State University	IDEA Network of Biomedical Research Excellence (INBRE)	P74, Poster
195. Drew	Webb	Ouachita Baptist University	OBU Summer Research Program	P75, Poster
196. Josie	White	Ouachita Baptist University	OBU Summer Research Program	P76, Poster
197. Kyla	Williams	Ouachita Baptist University	OBU Summer Research Program	P77, Poster
198. Jordan	Williams	University of Arkansas - Pine Bluff	Summer Research Internship Program (SRI)	P78, Poster
199. Katherine	Willis	Arkansas State University	NASA SPOCS	P79, Poster

Name (First)	Name (Last)	Undergraduate Institution	Undergraduate Research Program	Registration Title / Session Information
200. Ying-Zhi	Xu	University of Arkansas for Medical Sciences (UAMS)		Judging Only/Judge
201. Licheng	Xu	University of Arkansas - Little Rock		P80, Poster
202. Lei	Yang	University of Central Arkansas		Faculty Mentor/Judge
203. Yiren	Zhang	Colorado College	SURF (Biochemistry and Molecular Biology, UAMS)	P81, Poster
204. Yousef	Zonfuly	University of Arkansas for Medical Sciences (UAMS)	SURF (Biochemistry and Molecular Biology, UAMS)	Non-Presenter
205. Mohamed	Elasri	University of Arkansas for Medical Sciences (UAMS)		Associate Vice Chancellor for Research and Innovation
206. Stephanie	Gardner	University of Arkansas for Medical Sciences (UAMS)		Senior Vice Chancellor for Academic Affairs and Provost
207. Kari	Harris	Arkansas State University		Faculty Mentor
208. Bobbie	McGehee	University of Arkansas for Medical Sciences (UAMS)		Dean of the Graduate School
209. Susan	Smyth	University of Arkansas for Medical Sciences (UAMS)		Dean of the College of Medicine



RECYCLING

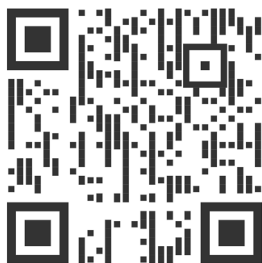
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SURVEYS

Please help us make next year's Symposium even better! To provide feedback, complete the appropriate evaluation found at the links listed below. The survey is designed to measure your satisfaction with this year's Symposium and provide us with information for improvement.

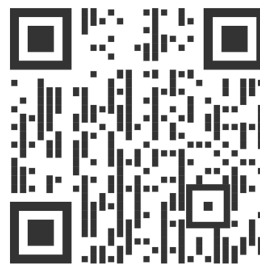
Faculty/Administrators/Judges

QR code below:



Students

QR code below:



JUDGING SHEETS

Being able to effectively share the results of one's research is an important skill to learn. We thank the many scientists who gave of their time and skills to provide feedback to today's undergraduate researchers. Students who would like copies of their written judging sheets may email Dr. Enemark at EJEnemark@uams.edu.