

11th ANNUAL REGIONAL STUDENT SCHOLARS FORUM

April 3, 2026



Sponsored by the LSUS Foundation

SPECIAL NOTES TO PRESENTERS AND MENTORS

1. All events will be held in the University Center on the LSU Shreveport campus, located at One University Place in the 8400 block of Youree Drive (LA 1), Shreveport.
2. Please register and pick up your name tag at the Registration Table in the lobby of the University Center between 8:00 and 8:30 am.
3. A complimentary box lunch will be available for all presenters and mentors who wear an official event nametag. Lunch is from 12:30 pm – 1:00 pm in the Ballroom.
4. The keynote speaker will address the conference at 1:00 pm in the Theater.
5. All slide presentations must be in PowerPoint.
6. Presenters should load PowerPoint presentations before the designated session begins.
7. All posters must fit within a 4' X 4' space. Posterboard numbers correspond to the presenter's assigned number. Posterboards and clips will be provided for all poster presentations. Students are responsible for setting up their posters before their scheduled session begins and removing them at the end of the session to ensure the next presenter has adequate time to prepare.
8. There will be a competition with first and second-place winners in each category: undergraduate oral presentations, undergraduate poster presentations, graduate oral presentations, and graduate poster presentations.
8. The 3MT competition will have a first and second-place winner, along with a People's Choice award.

Thank you to the LSUS Foundation for sponsoring the awards

PROGRAM

8:00 – 8:30 am Registration

University Center Lobby (UC) (First Floor)

8:30 – 8:45 am Judges and Moderators Meeting

University Center Webster Room

**8:45 – 9:00 am Welcome
Orientation**

Dr. Robert Smith, LSUS Chancellor
Dr. Sanjay Menon, Dean of Graduate Studies
and International Students

9:00 am – 10:30 am Session A: Graduate Oral Presentations 1: Webster Room			
9:00	Alex Rodman Bradán Samples Marco Morales	Stephen F. Austin State University	Targeting Histone deacetylase (HDAC) Isoforms Cooperation as a Therapeutic Strategy in Diffuse Large B-Cell Lymphoma Mentor: Dr. Mamta Gupta
9:15	Ram Babu Kurapati	University of Arkansas at Pine Bluff	Live Feeds: A Global Research Approach to Gut Microbiome Evaluation Mentor: Dr. Yathish Ramena
9:30	Cephus Grunewald	Stephen F. Austin State University	Influence of Mint and Basil Phytochemicals against Bacterial Biofilm Formation Mentor: Dr. Bidisha Sengupta
9:45	Md Mafidul Islam	University of Texas at Tyler	Self-Powered Biomedical Sensors Based on FASnI2Br@PVDF Piezoelectric Nanogenerators Mentor: Dr. Md Masud Rana
10:00	Udaysinh Rathod Devesh Sarda	Louisiana State University Shreveport	Peek-a-Boo: 3D Reconstruction Using Radio Waves for Human Motion and Fall Detection Mentor: Dr. Subhajit Chakrabarty
10:15	Tariq Alkum	University of Texas at Tyler	Formulation of PCL Microparticles for Drug Delivery Applications Mentor: Dr. Shih-Feng Chou
9:00 am – 10:30 am Session B: Graduate Oral Presentations 2: Red River Room			
9:00	Jessica Griswold	University of Texas at Arlington	COPD EDUCATION POC Mentor: Dr. Marianne Doan
9:15	Jasmine Farrish	University of Texas at Tyler	Centering Black Midwives: A Multi- Framework Approach to Measuring Institutional Betrayal, Belonging, and Workforce Attrition Mentor: Dr. Mandy Golman
9:30	Xrystyan Lascano	University of Texas at Tyler	Beyond the Presenting Diagnosis: Biomarkers and the Cumulative Trauma Burden in Veterans Mentor: Dr. Adam McGuire
9:45	Dominique Ellison	Stephen F. Austin State University	Social Work Challenges in Post SNF Community Care Mentor: Dr. Jose Carbajal
10:00	Laura De La Cruz	Stephen F. Austin State University	Barriers to End-of-Life Care for LGBTQIA+ Individuals: A Qualitative Study Comparing Urban-Rural Differences in Hospice and Palliative Social Workers' Perspectives Mentor: Christy Collins, LCSW-S
10:15	Crystal Odoms	Stephen F. Austin State University	Assessing the Internalization of the Strong Black Woman Schema: Insights for Mental Health Clinicians Working with African American Women Mentor: Dr. Jose Carbajal

9:00 am – 10:30 am Session C: Graduate Oral Presentations 3: Theater			
9:00	Justine Nicole Erwin	Louisiana State University Shreveport	Failing Republics: The Dangers of Internal Collapse Mentor: Dr. Evan Reibsome
9:15	Clayton Jim	University of Texas at Tyler	Lane-Switch Supply Chains and the Diffusion of First-Person Viewer (FPV) Drone Capability Mentor: Dr. Amentahru Wahlrab
9:30	Patrick Cook	Sam Houston State University	Modern Monopolies and Gilded Failures Mentor: Dr. Evan Reibsome
9:45	Damian Clarke	University of Houston – Clear Lake	Divorce Among Women in the United States Military: A Narrative Examination of Gendered Experiences Mentor: Dr. Giazu Enciso Dominguez
10:00	Lindsay Lange Anna Newman	University of Texas at Tyler	Adding Moral Elevation to an Acts of Kindness Protocol Moderated Loneliness Trajectories of University Students Mentor: Dr. Adam McGuire
10:15	Levi Paul	Stephen F. Austin State University	KYR Project Mentor: Dr. Jose Carbajal
9:00 am – 10:30 am Session D: Undergraduate Oral Presentations 1: De Soto Room			
9:00	Emma Ming	University of Arkansas at Fayetteville	Student Activism in Memphis, Tennessee: The Role of the Student Nonviolent Coordinating Committee Mentor: Dr. Jeannie Whayne
9:15	Wes Hervey	Texas A & M University	The Synergy of How Eating and Sleeping Affect the Recovery of Young Male Athletes: A Systematic Review Mentor: Dr. Shihui Chen
9:30	Emma Winchester	University of Arkansas at Monticello	Jude The Obscure: Education as Transformation Mentor: Dr. Kay Walter
9:45	Sarah Rayburn	Louisiana State University Shreveport	An Excerpt from "Dinnertime": A Naturalist Creative Nonfiction Essay Mentor: Dr. Evan Reibsome
10:00	Audrey Howard	University of Arkansas at Monticello	Satirical Transformations of Body, Mind, and Soul in <i>The Strange Case of Dr. Jekyll and Mr. Hyde</i> Mentor: Dr. Kay Walter
10:15	Christian Empie Paul Haygood	University of Texas at Tyler	Batman and Campbell: Cultivating Media Literacy via Modern Mythology as a Solution to the Learning Crisis Mentor: Dr. Aleksandra Cregler
9:00 am – 10:30 am Session E: Graduate Poster 1: Ballroom (Right Side)			
GR1	Emmi Hasselbach	Stephen F. Austin State University	Coat It or Cut It? Mentor: Neal Cox, MFA
GR2	Lipika Chakrabarty	Louisiana State University Shreveport	Pica Maintained by Automatic Reinforcement: A Functional Analysis Case Study Mentor: Dr. Brenna Griffen
GR3	Sean Clark	Stephen F. Austin State University	Color Studies in Aquatint Utilizing the Goethe Triangle Mentor: Neal Cox, MFA
GR4	Kessyn Alan	Louisiana State University Shreveport	Masculinity, Stigma, and Organizational Culture: An Exploratory Study of Firefighters' Attitudes Toward Mental Health in Northern Louisiana Mentor: Dr. Mary Margaret Lusk

GR5	Kwadwo Baah-Akyamfuor	Stephen F. Austin State University	Behavioral Assessment Procedures used with children Exhibiting Hyperactive and Impulsive Behavior Mentor: Dr. Luis Aguerrevere
GR6	Kwadwo Baah-Akyamfuor	Stephen F. Austin State University	Multicultural Competence in Supervision: Implications for School and Clinical Psychology Mentor: Dr. Alison Bradford
GR7	Chloe Giovengo	Louisiana State University Shreveport	2025 Holiday Gift Preference Assessment Mentor: Dr. Margaret Gifford
GR8	Padiha Marjorie	University of Louisiana at Lafayette	Phonological Processes in Sequential Bilingual Speech: Evidence from the Speech Accent Archive Mentor: Dr. Elena Babatsouli
GR9	TatYania Broussard	Stephen F. Austin State University	Domestic Violence in Rural Men & LGBTQ+ Communities — A Call to Action for Service Providers Mentor: Christy Collins, LCSW-S
GR10	Megan Moss	Stephen F. Austin State University	Beyond Dietary Management: Social Anxiety in Individuals Following a Gluten-Free Diet Mentor: Dr. Darla O'Dwyer
GR11	Brianna Latson	Stephen F. Austin State University	When the System Fails Its Workers: Organizational Barriers to Delivering Quality Foster Care Services Mentor: Christy Collins, LCSW-S
GR12	Boatemaa Nsiah	Stephen F. Austin State University	Resilience as a Moderator Between Adverse Childhood Experiences (ACEs) and Adult Trauma, Health, and Behavioral Outcomes: A Systematic Review Mentor: Christy Collins, LCSW-S
GR13	Damilola Atanda	Stephen F. Austin State University	Acculturative Stress and Academic Adjustment among International Students: Challenges and Coping Strategies Mentor: Dr. Luis Aguerrevere
GR14	Nathaniel Carver	Stephen F. Austin State University	Workplace Stressors of Rural Animal Care Workers Mentor: Christy Collins, LCSW-W
GR15	Analuisa Cisneros	Stephen F. Austin State University	The Effects of Mass Deportations and the Consumption of Mass Media on the Mental Health of Hispanic Adolescents with Undocumented Parents Mentor: Dr. Jose Carbajal
9:00 am – 10:30 am Session F: Graduate Poster 2: Caddo Bossier			
GR16	Giselle Pereira	Stephen F. Austin State University	When Teachers Carry The Trauma Mentor: Christy Collins, LCSW-S
GR17	Frederick Webb	Jackson State University	The Impact of Perceived Racism on Academic Persistency for African American Male College Students: Roles of Racial Identity and Coping Strategies Mentor: Dr. Eunkyung Yoon
GR18	Chloe Randall	Stephen F. Austin State University	Social Support in College Athletes Recovering from Sports-Related Injuries Mentor: Dr. Jose Carbajal
GR19	Cassie Speer	Stephen F. Austin State University	Correlating Faculty Self-Care Practices and Trauma-Informed Knowledge in Higher Education Mentor: Christy Collins, LCSW-S

GR20	Valicia Williams	Stephen F. Austin State University	Mental Health Treatment and Cost-Effectiveness Mentor: Dr. Jose Carbajal
GR21	Alexandra Andrews	Stephen F. Austin State University	Bereavement Support for Hospice Patients Mentor: Christy Collins, LCSW-S
GR22	Christopher Maynor	Stephen F. Austin State University	Veteran NeuroHealth Project Mentor: Dr. Luis Aguerrevere
GR23	Trayvene Lloyd	Stephen F. Austin State University	Welcome Home Soldier: Understanding How Time in Service Shapes Veteran Reintegration and Post-Service Adjustment Mentor: Christy Collins, LCSW-S
GR24	Jovin Huang	University of Texas at Tyler	Single Session Interventions for Emotional Regulation in a PTSD and AUD Population Mentor: Dr. Adam McGuire
GR25	Blessing Dexter Rachel Harrington	Stephen F. Austin State University	Racial Disparities and Discipline in Texas Secondary Schools Mentor: Dr. Luis Aguerrevere
GR26	Nadia Hartnauer Emily Low Brittney Holton Sydney Thompson Ariyah Jackson Esther Gurau	University of Texas at Tyler	Pathological Lying: Forensic and Legal Aspects Mentor: Dr. Drew Curtis
GR27	Cheyenne Tonkin	Stephen F. Austin State University	Coffee, Climate, and Culture: Utilizing Conversation Cafés to GR30Explore Environmental Impacts on Indigenous Culture Mentor: Dr. Jose Carbajal
9:00 am – 10:30 am Session G: Undergraduate Poster 1: Ballroom (Left Side)			
UG1	Alexander Speiser	University of Texas at Tyler	Risk, Venue, and Victory: Transforming Federal Tax Litigation into a Strategic Probability Model Mentor: Dr. Roger Lirely
UG2	Emily Wilson	Texas Christian University	The Impact of Ownership Structure on Green Innovations in China Mentor: Dr. Laura Meade
UG3	Laura Harris	Texas A & M University - Texarkana	Likelihood of Adults Receiving the Flu Vaccine Mentor: Dr. W.Y. Chan
UG4	Saakhi Patel	University of Texas at Tyler	Exploring Social Interaction and Connection Among Women Aged 65+ Mentor: Dr. Aleksandra Cregler
UG5	Charlotte Miller	Hendrix College	Immigration and Take-Home Pay: Does an Increase in the Immigrant Population Lessen a Nation's Tax Rate on Labor Income? Mentor: Dr. Ralph Scott
UG6	April "Joey" Beeks Marissa Clavijo	Louisiana State University Shreveport	Parenting Experiences to Psychopathy: A Developmental Trajectory Mentor: Dr. Tracie Pasold
UG7	Kareena Kamal	University of Texas at Dallas	Longitudinal Exploration of Gender Differences in Substance Use Amongst Young Adults Experiencing PTSD Mentor: Dr. Jeff Temple
UG8	Seema Powar Sana Bhimanni	Southern Arkansas University	STEM Course Syllabi vs. STEM Labor Market Mentor: Dr. Hayder Zghair

UG9	Lexi Duggan	University of Texas at Tyler	Labor Shortages vs. Material Delays: Evaluating Their Impact on Construction Project Delivery in Texas Mentor: Dr. Chi Tian
UG10	Katie Gomez	Louisiana State University Shreveport	Antibacterial Activity and Chemical Stability of Selected Vanillin Isomers Mentor: Dr. Jack Baricuatro
UG11	Bradán Samples Alex Rodman Marco Morales	Stephen F. Austin State University	Dual Targeting of Epigenetic Activity and PI3K-AKT Signaling in Peripheral T-Cell Lymphoma Mentor: Dr. Mamta Gupta
UG12	Carsen Davis Samir Mansour My Nguyen	Stephen F. Austin State University	Aurora Kinase A Regulates DNA Damage Response in Cutaneous T-Cell Lymphoma Mentor: Dr. Mamta Gupta
UG13	Voshita Parvathaneni	Texas Tech University	A Framework for Time-Frequency Analysis of Acoustic Signals to Noninvasively Diagnose Cardiovascular Diseases Mentor: Dr. Jingfei Liu
UG14	Alexia Piche'	Sam Houston State University	Illuminating the Limits: How Observation Constraints Shape Our Understanding of Bioluminescence Mentor: Dr. Jerry Cook
UG15	Omar Yousef	Louisiana State University Shreveport	Antioxidant Activity of Hydroxy- and Methoxybenzaldehydes: A FRAP-based Evaluation Mentor: Dr. Stephanie Villalba
UG16	Graham Mizell Irene Kaiser	Louisiana State University	Femoral Popliteal Bypass Using Prosthetic Graft in a Human Anatomical Donor Mentor: Dr. Melissa Thompson
UG17	Marie Vilcin	Louisiana State University	The Effects of Exercise, Heat Stress, and Cooling Strategies on Cognitive Function Mentor: Dr. Arend W. Van Gemmert
UG18	Chelsey Elqadi	University of Mississippi Medical Center	Nursing Education and Preventive Interventions for Patients with Genetic Susceptibility to Alzheimer's Disease Mentor: Dr. Melissa McBride
UG19	Sarah Stokke	University of Texas at Tyler	Obstructed paraoesophageal hernia mimicking STEMI Mentor: Dr. Katherine Stone
UG20	Urwah Abbas	Louisiana State University	Can Gymnasts Bounce Back? Assessing Vertical Jump Movement from Achilles Tendon Injury Mentor: Dr. Nicholas Totaro
UG21	Rye Altenbaumer Caden Dovell	Texas A & M University – Texarkana	CR Pecan Harvester Mentor: Dr. W. Y. Chan
UG22	Nhu-Thao Cao	Louisiana State University	Enhancing Solubility of Recombinant Proteins Using Chaperone-Assisted Cell-Free Protein Synthesis System Mentor: Dr. Yongchan Kwon

10:30 am – 11:00 am COFFEE BREAK: Ballroom

11:00 am – 12:45 pm Session H: Graduate Oral Presentations 4: Webster Room

11:00	Sana Bhimani	Rankin College of Business	Simulation as a Strategic Decision-Support Tool: A Review of Current Practices and Future Directions Mentor: Dr. Hayder Zghair
11:15	Devesh Sarda	Louisiana State University Shreveport	Locating Spinal Stenosis Mentor: Dr. Subhajit Chakrabarty

11:30	Samuel Pavan	Stephen F. Austin State University	Evaluation of testing for mean with pre-testing for normality Mentor: Dr. Robert K. Henderson
11:45	Tanvir Ahmed	University of Texas at Tyler	Machine Learning-Driven Pavement Management System Framework for Bleeding Severity Classification Using LTPP Data Mentor: Dr. Mayzan Isied
12:00	Evans Nortey	Stephen F. Austin State University	Confidence Intervals for the Ratio of the Means of Two Independent Beta Distributions Mentor: Dr. Kent Riggs
12:15	Rodrigo Villarreal	Louisiana State University Shreveport	Utilizing the Generalized Matching Law to Evaluate Major League Baseball Players' Response Allocation Across Different Aspects of the Sport Mentor: Dr. Seth Whiting
11:00 am – 12:30 pm SESSION I: Graduate Oral Presentations 5: Red River Room			
11:00	Khadija Saleem	University of Louisiana at Lafayette	Towards Culturally Responsive Speech Assessment: Cross-Linguistic Adaptation of the Intelligibility in Context Scale (ICS) into Urdu Mentor: Dr. Elena Babatsouli
11:15	Jonelle Battise	Stephen F. Austin State University	Beyond the Data: Elevating Indigenous Youth Voices through Photovoice and Participatory Research Mentor: Dr. Emmerentie Oliphant
11:30	Giovanni West	Louisiana State University Shreveport	Social Media and Teens Mentor: Dr. Evan Reibsome
11:45	Katherine Smith	University of Houston - Clear Lake	Negotiating the Terms: Experiencing Shame as a Social Technology in Adolescent Sexual Health Discourse Mentor: Dr. Giazú Enciso Domínguez
12:00	Jenifer Floyd	Stephen F. Austin State University	Mental and Physical Health Care Access Barriers and Mental Well-Being Effects Among Rural Women Mentor: Dr. Jose Carbajal
12:15	Jana Beaubouef	Louisiana State University Shreveport	Using Behavioral Skills Training to Teach Educators Classroom Management Strategies Mentor: Dr. Margaret Gifford
11:00 am – 12:30 pm SESSION J: Graduate Oral Presentations 6: Theater			
11:00	Derrick Houston	Stephen F. Austin State University	The Impact of Limited School Resources on College and Career Preparation in Rural Communities Mentor: Dr. Jose Carbajal
11:15	Ryotaro Hiraki	University of Arkansas at Fayetteville	Returns to Education in the United States: Comparison of OLS and Double Machine Learning Mentor: Dr. Harry Patrinos
11:30	Dedrah Ginn	Stephen F. Austin State University	From Professional Learning to Student Outcomes: Investigating the Impact of Professional Development Design on Teacher Practice and Student Achievement Mentor: Dr. Barbara Qualls

11:45	Charles Toussaint	Texas Woman's University	Behavioral and Cognitive Engagement in Co-Taught Elementary Classrooms Mentor: Dr. Catherine Howerter
12:00	Nicole Ivancic	Stephen F. Austin State University	Developing an Artificial Intelligence Certificate Program for K-12 Educators and Students in East Texas Mentor: Dr. Barbara Qualls
12:15	Aleea Murray	Louisiana State University Shreveport	Tradition or Terror?: Indoctrination as the Cornerstone of Miseducation Mentor: Dr. Evan Reibsome
11:00 am – 12:30 pm SESSION K: Undergraduate Oral Presentations 2: De Soto Room			
11:00	Olivia Owens	University of Texas at Tyler	Dating Apps & Digital Masculinity: Dating app cultures and men's presentation in dating apps Mentor: Dr. Aleksandra Cregler
11:15	Isabel Gonzales	University of Houston - Clear Lake	Women's perceptions of masculinity; Towards a potential the transformation of men Mentor: Dr. Giazú Enciso Domínguez
11:30	Paul Haygood	Louisiana State University Shreveport	Exploring Leaders' Perspectives on Belonging and Inclusion in Christian Congregations of Tyler, Texas Mentor: Dr. Aleksandra Cregler
11:45	Saige Berthelot	Loyola University New Orleans	Platonic Parallels: Bridging the Gap between Theory and Modern Politics Mentor: Dr. Cody Melcher
12:00	Haley George	University of Texas at Tyler	Agents of Expansion: The Texas Rangers and Indigenous Dispossession in the Republic of Texas Mentor: Dr. Colin Snider
12:15	Kylie Ramirez	University of Houston Downtown	Reducing The Stigma: Youth Mental Health Mentor: Dr. Dean Kostantaras
11:00 am – 12:30 pm SESSION L: Graduate Poster 3: Ballroom (Right Side)			
GR28	Aditya Chowdhury	University of Texas at Tyler	Ensemble Tree-Based Classification of Transverse Crack Severity and Extent in Asphalt Pavements Mentor: Dr. Mayzan Isied
GR29	Ashleigh Foster	Stephen F. Austin State University	Phytoestrogens and Their Impact on Endometriosis Mentor: Dr. Darla O'Dwyer
GR30	Sunday Stewart Danielle Garbarino Bobbie Jo Hurt Annaliese McCabe Zoe Morris Abby Ruehlen	Sam Houston State University	Mitigating LPS-Induced Neuroinflammation in Neuron-like Immortal PC-12 Cells Using Phytochemical-Based Interventions Mentor: Dr. James Harper
GR31	Kristy Williams	Stephen F. Austin State University	The Impact of Social Determinants of Health (Income, Housing, Education, and Access to Care) on Clients Receiving Home and Community Support Services in Houston and Surrounding Areas Mentor: Christy Collins, LCSW-S
GR32	Shelby Smith	Louisiana State University Health Sciences Center Shreveport	Disparities in Cervical Cancer Screening in Rural Louisiana Mentor: Dr. Deborah Smith

GR33	Michelle Thompson-Janis	Stephen F. Austin State University	Revitalizing Traditional Healing Practices to Strengthen Holistic Tribal Well-Being Among Members of the Alabama-Coushatta Tribe Mentor: Dr. Emmerentie Oliphant
GR34	Samantha Siegel	University of New Orleans	Arrested Configural Face Processing Development in 22q11.2 Deletion Syndrome: Socioemotional Implications Mentor: Dr. Elliott Beaton
GR35	Anna Newman Lindsay Lange	University of Texas at Tyler	Gender differences in the moderating effects of sexual assault on the relationship between shame-withdrawal and loneliness Mentor: Dr. Adam McGuire
GR36	Kaleigh Sammons	Stephen F. Austin State University	Under-diagnosing of ADHD in Females of Color Mentor: Dr. Jose Carbajal
GR37	Irene Edeso	Louisiana State University Shreveport	Functional Analysis of Repetitive Biting Behaviors in a Single Participant Mentor: Dr. Brenna Griffen
GR38	Savannah Breeding	University of Texas at Tyler	Reducing Recidivism Through Connection: How Integrating a Relational Approach Could Improve Offender Outcomes Mentor: Dr. James "Ross" Spears
GR39	Augustine Nwafor	Louisiana State University Shreveport	A Wearable Dual-IMU Framework for Real-Time Knee Motion Analysis and ACL Injury Risk Assessment Mentor: Dr. Urska Cvek
GR40	Calvin Johnson	Stephen F. Austin State University	Cost Effectiveness of Mental Health Treatment Mentor: Dr. Jose Carbajal
GR41	Chang Liu	Stephen F. Austin State University	Spatial Variation in the Predictive Power of the Topographic Wetness Index (TWI) for Drought-Induced Forest Mortality Mentor: Dr. Ying Lu
GR42	Reagan Miller Sebastian Ibarra Chavez	University of Texas at Arlington	Fluorescent Chemosensing Molecules and Materials for Gas Phase Ion Detections Mentor: Dr. Frank W. Foss, Jr.
11:00 am – 12:30 pm SESSION M: Graduate Poster 4: Caddo Bossier			
GR43	Milan Aryal	Stephen F. Austin State University	Assessing the Impacts of Consulting Foresters on Timber Sale Outcomes and Management Decisions Among Private Landowners in Texas Mentor: Dr. Anusha Shrestha
GR44	Hayley Laidlaw	Louisiana State University Shreveport	Ecotoxicological Responses of Earthworms to Hydrochar-Amended Soils: Carboxylesterase Activity as a Biomarker Mentor: Dr. Changyoon Jeong
GR45	Hasini Mapatunage	Stephen F. Austin State University	Socio-economic Impacts Assessment on Mobile Biochar Production and Use in East Texas Mentor: Dr. Anusha Shrestha
GR46	Edward Nicol Kwakye Udaysinh Rathod	Louisiana State University Shreveport	Detecting illegal mining in Ghana using AI Mentor: Dr. Subhajit Chakrabarty

GR47	Cari Mitchell	Stephen F. Austin State University	Evaluating Sulfate-Reducing Potential of Native Wetland Plant Species in a Coal Ash Disposal Area, Panola County, Texas, USA Mentor: Dr. Mindy Faulkner
GR48	Enock Mounde	University of Texas at Tyler	Influence of climate change on asphalt binder selection for flexible pavements in Kenya Mentor: Dr. Mayzan Isied
GR49	Enock Mounde	University of Texas at Tyler	Deterioration modelling of flexible pavements using LTPP data Mentor: Dr. Mena Souliman
GR50	Josephine Akediwor Ann Findley	Louisiana State University Shreveport	Infection Dynamics of Gordonia Phage Dogfish on Gordonia terrae and Gordonia rubripertincta Mentor: Dr. Chris Gissendanner
GR51	Daisy Ngetich	Stephen F. Austin State University	Host Influences on Cervicovaginal Microbial Community Structure: A Microbiome Study Mentor: Dr. Alexandra Van Kley
GR52	Seema Baral Ann Findley	Louisiana State University Shreveport	Isolation and Characterization of Gordonia Phage Elle Mentor: Dr. Chris Gissendanner
GR53	Samantha Roldán Pérez	University of Arkansas at Fayetteville	Effect of Storage Temperature on the Growth of Bacillus cereus in Cooked Rice Mentor: Dr. Jennifer Acuff
GR54	James Campbell	University of Texas at Tyler	From Estuary to Reef: Using Nematostella vectensis to Decode Coral Disease Dynamics Mentor: Dr. Tanya Brown
GR55	Birata Mainali	University of Arkansas at Fayetteville	Evaluation of Pre-treatment and Dehydration Efficacy for MS2 Inactivation in Microgreens Mentor: Dr. Kristen Gibson
GR56	Okeke John Odirachukwu	Louisiana Tech University	Laser Microstructuring of PDMS under Nitrogen for Tunable Interfacial Charge Storage Mentor: Dr. Shengnian Wang

11:00 am – 12:30 pm SESSION N: Undergraduate Poster 2: Ballroom (Left Side)

UG23	David Leimbrook	Louisiana State University Shreveport	Building a ^1H NMR Motif Library of Polysubstituted Aromatic Compounds Mentor: Dr. Jack Baricuatro
UG24	Sarah Kim Alex Berberian Marcos Gonzalez William Merop	LeTourneau University	Validation of Accessible Measurement Devices for Pelvic Tilt Angles during Quiet Standing Mentor: Dr. Ko Sasaki
UG25	Seth Standley Marshall Elkins	Louisiana Tech University	Effects of SSRIs on Serotonin Regulation Under Microgravity Conditions Mentor: Dr. Elisa Castagnola
UG26	Bhavya Sarda	Louisiana State University Shreveport	Kin17 Knockdown in Breast Cancer Cell Lines Affects Chemotherapy Effectiveness Mentor: Dr. Marisa Connell
UG27	Marcelline Amessiemenou	Jarvis Christian College	Green synthesis of silver nanoparticles from rosemary (<i>Rosmarinus officinalis</i>) extract and its application in cancer treatment Mentors: Dr. Carter Glendora and Dr. Bhuiyan Shakhawat
UG28	Jesda Duong	University of Texas at Tyler	In-vitro dual drug releases from multilayer PVA/PEO films for topical drug delivery applications Mentor: Dr. Shih-Feng Chou


UG29	Victoria Wootan Andy Fite	Louisiana State University Shreveport	Synthesis, Characterization, and Molecular Docking Studies on Phenyl Substituted Acylthioureas Mentor: Dr. Henry Nkabyo
UG30	William Hightower Valentin Fajardo	University of Texas at Tyler	Lead-Free Perovskite-Based Triboelectric Nanogenerator for Sustainable Energy Harvesting and Industrial Sensing Mentor: Dr. Md Masud Rana
UG31	Praneet KC	Southern Arkansas University	Photodiode-Driven Ambient Light Monitor Mentor: Dr. Hayder Zghair
UG32	Grant Vavro	University of Texas at Dallas	Synthesis of Novel Lead-Bromide Perovskite to Uncover Structure Property Relationships Mentor: Dr. Kyle McCall
UG33	Kallie Wall	Northwestern State University	Ultrafast Photochemical Formation of Silver Nanoparticles Using Eggshell- Derived Calcium Carbonate Mentor: Dr. Daniel Rivera
UG34	Michael Miller	Louisiana State University Shreveport	Metal Identity Shapes the Optical Response of Anthraquinone-based Dyes: A Comparison of Al (III) and Ce (III) at pH 4 Mentor: Dr. Jack Baricuatro
UG35	Aidan Hidalgo	Southeastern Louisiana University	Isolation and Comparative Genomic Characterization of Arthrobacter Phage BenchScraper: Similar to Cluster AY Phages with Distinct Features and Evidence of Genetic Exchange Mentor: Dr. Justin Anderson
UG36	Andrew Moore Clare Shaughnessy	Stephen F. Austin State University	From Calvin Klein To Carrion: Diel Activity and Species Interactions in Mammal Communities in Response to Different Bait Types Revealed by Camera Traps Mentor: Dr. Reuber Antoniazzi
UG37	April George Sarah Youngblood	Louisiana State University Shreveport	Captive and cryptic: Phylogenetic analysis of difficult to diagnose geckos in the pet trade. Mentor: Dr. Stuart Nielsen
UG38	Hannah McCarty	University of Texas at Tyler	Exploring the Correlation Between Clutch Size and Larval Survival in Nematostella vectensis Mentor: Dr. Tanya Brown
UG39	Will Dupuy	University of Louisiana at Lafayette	How Crawfish Respond to Nitrogen Fluxes in Aquatic Systems Mentor: Dr. Jorge Villa
UG40	Sadie Lyons	Louisiana State University Shreveport	Reversible Scavenging of Malachite Green by Thermally Conditioned Salvinia Biomass Mentor: Dr. Jack Baricuatro
UG41	Tyler Davis	Louisiana State University Shreveport	Upcycling Invasive Salvinia into an Oxalic Acid-Modified Heterogeneous Catalyst for Fischer Esterification Mentor: Dr. Jack Baricuatro
UG42	Hunter Cunningham	University of Arkansas at Monticello	Ruskin's Vision of Demise: Environmental Decay and the Loss of Humanity Mentor: Dr. Kay Walter
UG43	Wesley Oliver	University of Louisiana at Monroe	Androgyny vs Fascism: Masculinity vs Femininity in The Conformist Mentor: Dr. Jana Giles

12:30 pm – 1:00 pm

Lunch

UC Ballroom

A box lunch is available for all registered attendees.

1:00 pm – 1:30 pm		Keynote Speaker	UC Theater
<p>Dr. Stephen Banks</p>  <p><i>The 1918 Influenza Pandemic</i></p>		<p>Dr. Stephen William Banks, a London native, earned his bachelor's degree from Newcastle University in 1976 and his master's with distinction in 1977. He completed his PhD at the University of Nottingham in 1982, where he clarified biosynthetic pathways for the isoflavonoid pisatin in peas and glyceollins in soybeans. A specialist in plant biochemistry, he conducted postdoctoral research at the University of Kentucky before joining LSUS in 1992 as part of Drs. Dalton Gossett and Cran Lucas's industry-funded team studying salt-induced physiological stress in plants. Dr. Banks is the George and Regina Khoury Professor in the College of Arts and Sciences, and has served as Associate Dean and Department Chair. He was elected a Fellow of the Royal Society of Biology in 2008 and received a Paul Harris Fellowship from Rotary International in 2014. After 34 years of service, he retires next month as Emeritus Professor of Biological Sciences at LSU-Shreveport.</p>	
1:30 pm – 3:00 pm Session O: Graduate Oral Presentations 7: Webster			
1:30	Semi Park	University of Texas at Arlington	Effectiveness of low-cost window fans for mitigating indoor cooking emissions compared with kitchen hoods Mentor: Dr. Insung Kang
1:45	Gholami Hossein Abadi Ghazal	Texas State University	Enhancing Concrete Strength Prediction from Non-Destructive Testing Under Variable Curing Temperatures Using Artificial Neural Networks Mentor: Dr. Carlos Moro Martinez
2:00	Samuel Annobil	Stephen F. Austin State University	Integrated Geophysical and Geotechnical Characterization of Expansive Weches Formation Soils in East Texas Mentor: Dr. Wesley Brown
2:15	Okeke John Odirachukwu	Louisiana Tech University	Laser Microstructuring of PDMS under Nitrogen for Tunable Interfacial Charge Storage Mentor: Dr Teresa Murray
2:30	Semi Park	University of Texas at Arlington	A state-of-the-air review of Do-It-Yourself (DIY) air cleaner performance Mentor: Dr. Insung Kang
2:45	Christiane Funk	University of Texas at Arlington	Sex Pheromone Biomimetics for Population Control of the Asian Corn Borer Mentor: Dr. Frank W. Foss, Jr.
1:30 pm – 3:00 pm Session P: Graduate Oral Presentations 8: Red River Room			
1:30	Carmen Maldonado-Griego	University of Texas at Arlington	Operationalizing Ecological Intelligence: A Diffusion Model Framework for Passive Design in Architecture Mentor: Dr. Shermeen Yousif
1:45	James Campbell	University of Texas at Tyler	From Estuary to Reef: Using <i>Nematostella vectensis</i> to Decode Coral Disease Dynamics Mentor: Dr. Tanya Brown

2:00	Zoe McGowan	The University of Arkansas at Pine Bluff	Development of Quantum-Level Green Light-Emitting Devices for the Treatment of Virulent Bacterial Pathogens. Mentor: Dr. Grace Ramena
2:15	Md Jahanggir Alam	Texas A&M University - Commerce	Integration of Experimental and Modeling Approaches (ModEX) to Analyze Spatio-Temporal Hydrogeochemical Processes and Land-Use Interactions in the River Corridor of the Cypress Creek Basin, Texas Mentor: Dr. Bjorn Schmidt
2:30	Moein Hemmati Tahar Messadi	University of Arkansas at Fayetteville	Thermal and Energy Performance Comparison of Engineered Wood SIP and Conventional Stud Wall Systems for Affordable Housing in Humid Subtropical Climates Mentor: Dr. Tahar Messadi
2:45	Aditya Chowdhury	University of Texas at Tyler	Investigation of the Mechanical Performance of Hot Mix Asphalt Modified with Untreated Rice Straw Fibers Mentor: Dr. Mayzan Isied
1:30 pm – 3:00 pm Session Q: Graduate Oral Presentations 9: Theater			
1:30	Brandon Rimmer	Louisiana State University Shreveport	The Resilience of Utterances in Natalia Ginzburg's <i>Lessico Familiare</i> Mentor: Dr. Evan Reibsome
1:45	Anna Newman	University of Texas at Tyler	Gender differences in the moderating effects of sexual assault on the relationship between shame-withdrawal and loneliness Mentor: Dr. Adam McGuire
2:00	Taylor Martin	Louisiana State University Shreveport	Reclassifying "Roger Malvin's Burial" Mentor: Dr. Evan Reibsome
2:15	Kenneth Allison	University of Louisiana at Monroe	<i>Le Fantôme d'Arthur</i> Mentor: Dr. Will Rogers
2:30	Arley-Beth Cravey	University of Arkansas at Fayetteville	<i>Skallagrimm</i> The Berserker in Egill's Saga Mentor: Dr. Kay Walter
2:45	Charles Johnson	Louisiana State University Shreveport	A Conradian Vision of the Civil War in Louisiana Mentor: Dr. Evan Reibsome
1:30 pm – 3:00 pm Session R: Undergraduate Oral Presentations 3: De Soto Room			
1:30	Josephine Day	Louisiana Tech University	Effects of Cadmium Toxicity from Wetland Pollutants on Brain Glutamate Levels in Mice Mentor: Dr. Elisa Castagnola
1:45	Aidan Hidalgo	Southeastern Louisiana University	Isolation and Comparative Genomic Characterization of Arthrobacter Phage BenchScraper: Similar to Cluster AY Phages with Distinct Features and Evidence of Genetic Exchange Mentor: Dr. Justin Anderson
2:00	Cameron Vickers Joshuah Lee Izuchukwu Felix	University of Texas at Tyler	Fabrication and Characterization of a Lead-Free FaSnI_3 PVDF Composite Triboelectric Nanogenerator for Low-Power Mechanical Energy Harvesting Mentor: Dr. Md Masud Rana

2:15	Aaron Loera Anna Arseienko Melusi Senzanje Hugo Noberto Matthew Emanuel	University of Texas at Tyler	Phishing URL Detection Using Deep Learning and QR codes Mentor: Dr. Arun D. Kulkarni
2:30	Jesda Duong	University of Texas at Tyler	In-vitro dual drug releases from multilayer PVA/PEO films for topical drug delivery applications Mentor: Dr. Shih-Feng Chou
2:45	Bryleigh Wickham	Louisiana Tech University	The Effects of Microgravity and Hypergravity Conditions on Neurotransmitters in the Brain Mentor: Dr. Elisa Castagnola
1:30 pm – 3:00 pm Session S: Graduate Poster 5: Ballroom (Right Side)			
GR57	Ashmita Sigdel	Louisiana Tech University	MXene/PEDOT Functional Coatings on Flexible Microelectrode Arrays for Multianalyte In Vivo Neurochemical Sensing and Electrophysiology Mentor: Dr. Elisa Castagnola
GR58	Kriti Sigdel	University of Texas at Tyler	Rheological and Aging Behavior of Rice Straw Fiber-Modified Asphalt Binder Mentor: Dr. Mayzan Iseid
GR59	Kriti Sigdel	University of Texas at Tyler	Experimental Investigation of Cement-Stabilized Soil Modified with Biochar and Seawater Mentor: Dr. Hua Yu
GR60	Oshima Shah	Louisiana Tech University	Nano-platinum-Nafion-modified Microelectrode Arrays for High Spatial Distribution Electrochemical Detection of Nitric Oxide Mentor: Dr. Elisa Castagnola
GR61	Tariq Alkum	University of Texas at Tyler	Formulation of PCL Microparticles for Drug Delivery Applications Mentor: Dr. Shih-Feng Chou
GR62	Francisca Walden Austin Peters	Louisiana Tech University	Bioinformatic analysis of shared gene dysregulation and pathways in P525L mutated hiPSC-MNs and hiPSC-astrocytes to elucidate FUS-ALS pathomechanisms Mentor: Dr. Masood Sepehrimanesh
GR63	Nakaa Asalya	Louisiana State University Shreveport	Molecular Mechanisms Underlying Chemoresistance in MDA-MB-231 Breast Cancer Cells Mentor: Dr. Marisa Connell
GR64	Samuel Pavan	Stephen F. Austin State University	Evaluation of testing for mean with pre-testing for normality Mentor: Dr. Robert K. Henderson
GR65	Rushi Konathala Alekhya Kambhampati	Southern Arkansas University	Advanced Security Assessment: Technical Viability and Regulatory Constraints of Aggressive Anti-Cheating Methodologies Mentor: Dr. Hayder Zghair
GR66	Sheila Amponsah	Stephen F. Austin State University	Predicting Semester GPA of College Student using their Periodic LMS Logins Mentor: Dr. Keith Hubbard
GR67	Tanvir Ahmed	University of Texas at Tyler	Mechanistic Evaluation of HMA Modified with Sugarcane Bagasse Fibers Mentor: Dr. Mayzan Isied

GR68	Kwame Nkrumah	Stephen F. Austin State University	Confidence Regions for the Means of Two Independent Beta Distributions Mentor: Dr. Kent Riggs
GR69	Seth Nti	Stephen F. Austin State University	Evaluation of Control Chart of Entire Run Length Distribution Mentor: Dr. Robert Henderson
1:30 pm – 3:00 pm Session T: Graduate Poster 6: Ballroom (Left Side)			
GR70	Darci Young Meghan Smith	Stephen F. Austin State University	Teachers' Perceptions of Four-Day School Weeks and Perceived Impacts on Students With IEPs and 504 Plans: A Research-in-Progress Study Mentor: Dr. Sarah Savoy
GR71	Shakorey Kelley	Stephen F. Austin State University	Structural Barriers to Early Childhood Education in Rural Communities Systematic Review of Access, Readiness, and Policy Implications Mentor: Christy Collins, LCSW-S
GR72	Sana Bhimani Seema Powar	Southern Arkansas University	To what extent does the distribution of Technical, Analytical, and Communication keywords in Higher Education STEM syllabi align with the workforce readiness requirements found in entry-level job postings? Mentor: Dr. Hayder Zghair
GR73	Ashley Williams	Stephen F. Austin State University	Exploring Transportation Access Among Foster Youth Aged 18–25: A Qualitative Study of Education, Employment, Healthcare, and Social Participation Mentor: Christy Collins, LCSW-S
GR74	Callie Berry Emillee Keuten	Stephen F. Austin State University	Kindergarten Readiness Project Mentor: Dr. Luis Aguerrevere
GR75	Brandon Harris	Texas A&M University - Commerce	Reimagining Discipline: Creating Schools Where Every Student Belongs Mentor: Dr. Delarious Stewart
GR76	Nakayla White	Northwestern State University	Being "Gifted" and "Talented": The Intrinsic Significance of Labeling Gifted and Talented High School Students Mentor: Dr. Patrice Moulton
GR77	Wei Chen	Louisiana State University Shreveport	A Shared PRC2/H3K27–GPCR Axis Underlies Aggressive Microenvironments in Breast, Ovarian, and Endometrial Cancer Mentor: Dr. Urska Cvek
GR78	Edna Ovulley	Southern Arkansas University	From Data to Decisions: Using AI-Driven Health Analytics to Support Proactive and Preventive Care in Resource-Constrained Settings Mentor: Dr. Hayder Zghair
GR79	Ochi Jedeofor	Louisiana State University Shreveport	Reducing Low-Yield Colonoscopy using Machine Learning Mentor: Dr. Qingson Zhao
GR80	Hafiz Noman Javed	Southern Arkansas University	AI-Powered Autonomous Agents for Computer Task Automation Mentor: Dr. Hayder Zghair
GR81	Akter Shiuly	Stephen F. Austin State University	Sovereignty for Sale: The East India Company and the Political Economy of Conquest Mentor: Dr. Perky Beisel

3:15 pm – 4:00 pm Session U: 3MT Competition: Theater			
3MT1	Devesh Sarda	Louisiana State University Shreveport	Locating Spinal Stenosis
3MT2	Hafiz Noman Javad	Southern Arkansas University	AI-Powered Autonomous Agents for Computer Task Automation
3MT3	Sheilla Amponsah	Stephen F. Austin State University	Predicting the Semester GPA of College Students Using Their Periodic LMS Logins
3MT4	Jana Beaubouef	Louisiana State University Shreveport	Group Contexts: How Does Impulsive Decision-Making Impact a Collaborative Group?
3MT5	Okeke John Odirachukwu	Louisiana Tech University	Laser Microstructuring of PDMS under Nitrogen for Tunable Interfacial Charge Storage
3MT6	Chang Liu	Stephen F. Austin State University	The Role of Topographic Indices on Prediction Models of Vegetation Mortality During Drought
3MT7	Hayley Laidlaw	Louisiana State University Shreveport	Quantifying the Ecological Safety of Hydrochar: A Biomarker-Based Assessment
3MT8	Jim Clayton	University of Texas at Tyler	Lane-Switch Supply Chains and the Diffusion of First-Person-View Drone Capability
3MT9	Udasinh Rahulkumar Rathod	Louisiana State University Shreveport	Peek-a-Boo: 3D Reconstruction Using Radio Waves for Human Motion and Fall Detection
3MT10	MD Mafidul Islam	University of Texas at Tyler	Triboelectric and Piezoelectric Nanogenerator for Self-Powered Sensing and Energy Harvesting
3:00 pm – 4:00 pm Networking – Ballroom			
4:00 pm – 4:30 pm Awards Ceremony: Theater			

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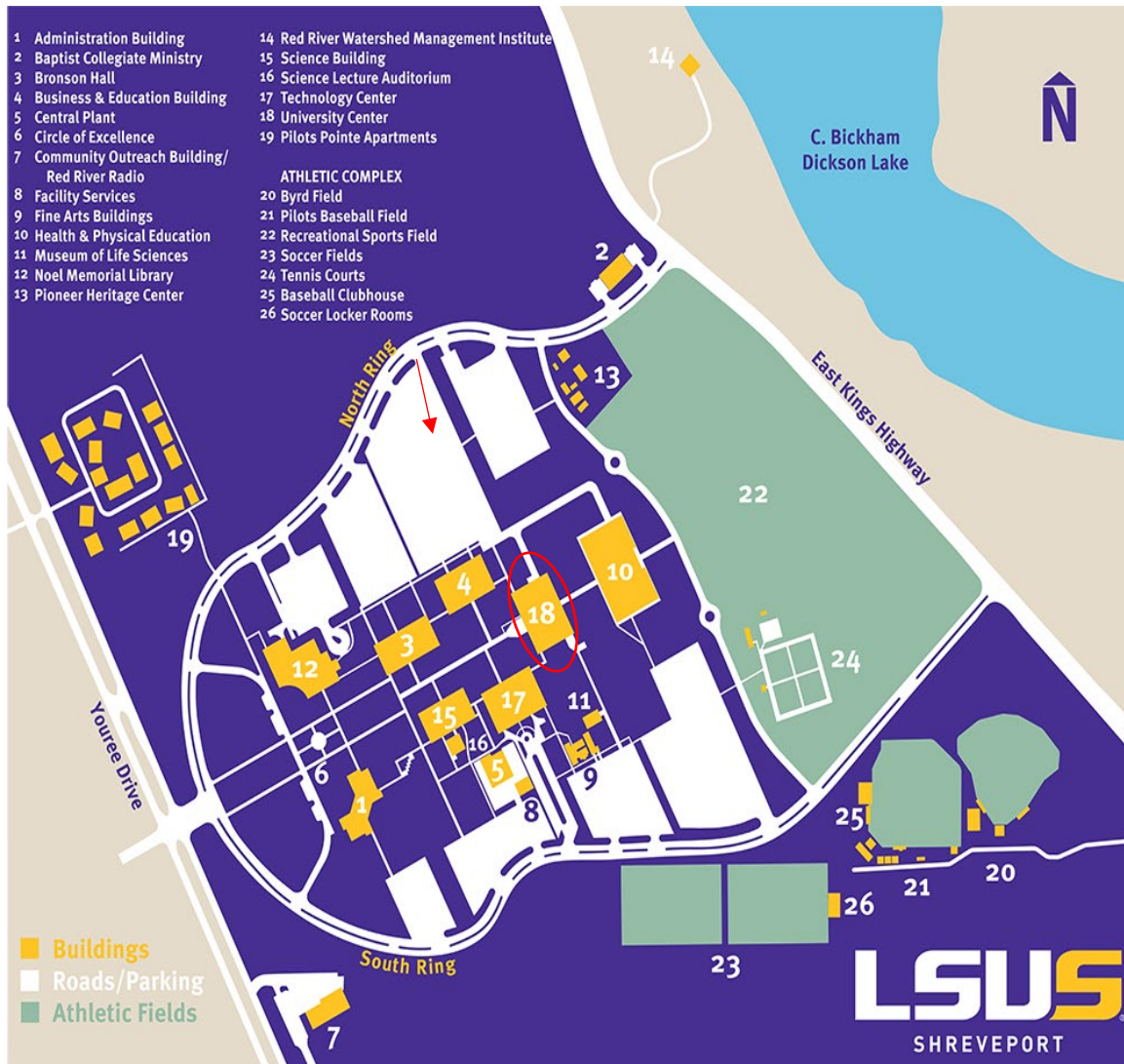
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david.gaither@lsus.edu

Planning Committee Members:

- Dr. Sanjay Menon – Professor of Management and Dean of Graduate Studies
- Dr. Stephen Banks – Professor of Biological Sciences
- Dr. Marisa Connell – Assistant Professor of Biological Sciences
- Ms. Callie Dean – Professional in Residence and Research Director, Non-Profit Administration
- Dr. Amy Erickson – Associate Professor of Biological Sciences
- Dr. Brenna Griffen – Assistant Professor of Psychology
- Dr. Melissa Hawthorne – Associate Professor in Education
- Dr. Kevin Jones – Professor and Director of the Graduate Program in Psychology
- Ms. Amanda Lewis – Assistant Vice Chancellor of Sponsored Research
- Dr. Evan Reibsome – Assistant Professor of American Literature and Director of the MLA Program
- Dr. Terence Vinson – Assistant Professor and Associate Director of MEDCI/MEDL Programs
- Ms. Angie Walsh – Graduate Studies Coordinator, Office of Graduate Studies



LSUS 11th Annual Regional Student Scholars Forum
Quick Reference Schedule

8:00 am – 8:45 am		Registration		UC Lobby First Floor	
8:30 am – 8:45 am		Judges and Moderator Meeting		UC Webster Room	
8:45 am – 9:00 am		Welcome and Orientation		UC Theater	
9:00 am – 10:30 am MORNING SESSION I					
Session	Title	Location	Session	Title	Location
A	Graduate Oral 1	Webster	E	Graduate Poster 1	Ballroom (R)
B	Graduate Oral 2	Red River	F	Graduate Poster 2	Caddo Bossier
C	Graduate Oral 3	Theater	G	Undergraduate Poster 1	Ballroom (L)
D	Undergraduate Oral 1	De Soto			
11:00 am – 12:45 pm MORNING SESSION II					
Session	Title	Location	Session	Title	Location
H	Graduate Oral 4	Webster	L	Graduate Poster 3	Ballroom (R)
I	Graduate Oral 5	Red River	M	Graduate Poster 4	Caddo Bossier
J	Graduate Oral 6	Theater	N	Undergraduate Poster 2	Ballroom (L)
K	Undergraduate Oral 2	De Soto			
12:30 pm – 1:00 pm		Lunch		UC Ballroom	
1:00 pm – 1:30 pm		Keynote Speaker		UC Theater	
1:30 pm – 3:00 pm AFTERNOON SESSION I					
Session	Title	Location	Session	Title	Location
O	Graduate Oral 7	Webster	S	Graduate Poster 5	Ballroom (R)
P	Graduate Oral 8	Red River	T	Graduate Poster 6	Ballroom (L)
Q	Graduate Oral 9	Theater			
R	Undergraduate Oral 3	De Soto			
3:15 pm – 4:00 pm		Session U: 3MT Competition		UC Theater	
3:00 pm – 4:00 pm		Networking		UC Ballroom	
4:00 pm – 4:30		Awards Ceremony		UC Theater	