



Student	Faculty	Project Title
Eric Phillip Clifford	Urska Cvek	Evaluate Correlations and Mine Drug Abuse Data from LSU Health Shreveport in Shreveport during 2011-2019
Joseph Mondello	Tauhid Alam	Computational Molecular Ensemble Docking with SARS-CoV-2 Proteins
Supriya Karki	Stephanie Villalba / Kathryn A. Hamilton	Developmental stages of olfactory sensory neurons in neonatal life vs. adulthood
Ethan James Manco	Subhajit Chakrabarty	Best practices for inter-conversion of EEG data formats
Kalani Myles	Elahe Mahdavian	Computational-Aided Drug Discovery (CADD), Development of Anti-Viral Drugs for COVID-19
Keelin North	Vonny Salim	Identification of Host Microbiota Relationships involved in Anticancer Alkaloid Biosynthesis

Student	Faculty	Project Title
Hunter Hollie	Patrick Moyer	Development of a hybrid scanning force and optical microscope
Max Cole	Kazim Sekeroglu	A 3D CNN-LSTM based multi-view spatiotemporal deep-fusion learning model for BCI
Anup Ghimire	Kazim Sekeroglu	A 3D CNN-LSTM based multi-view spatiotemporal deep-fusion learning model for BCI
Matthew Giblin	Teague O'Mara	Heart rate variability under extreme energy demands
James Lee	Teague O'Mara	Heart rate variability under extreme energy demands
Bennet Hibner	William Parkinson	Computational Investigations of Stereospecificity in Concerted Electrocyclic Reactions

Student	Faculty	Project Title
Alexis Bardwell	Becky Giorno	Searching for Antibiotic Resistance in Saline and Hypersaline Environments
Taylor Teach	Jamie Newman	Canonical and Noncanonical Notch Signaling Regulates Adult Stem Cell State
Claire Colley	Mary Caldorera-Moore	Assessment of Proactive Chitosan-genipin Hydrogels Biomaterial Biocompatibility
Kristin Jackson	Yuri Voziyanov	Construction of a Model Cell Line to Test DNA Replacement Catalyzed by Tyrosine Recombinases



Student	Faculty	Project Title
Julianna Berger	Wendy Schluchter	Characterization of proteins involved in chromatic acclimation
Loandi Cruz	Mark L Trudell	Development of green methods for the synthesis of drug scaffolds



Student	Faculty	Project Title
Chelsea Bock	Jean Christophe Chamcheu	Bioguided fractionation and identification of Graviola ( <i>Annona muricata</i> ) extract ingredients
Marion Bramwell	Jean Christophe Chamcheu	In vitro anti-skin cancer evaluation of Graviola extract fractions and newly identified compounds from Graviola ( <i>Annona muricata</i> )
Bryan Strong	Srinivas Garlapati	Investigation of protein-protein interactions in the translation pre-initiation complex of <i>Giardia lamblia</i>
Uchechi Owunna	Siva Murru	Cobalt-catalyzed Synthesis of Biologically Relevant 1,3-Diarylpyrazoles
David Basnet	Siva Murru	Diversity Oriented Synthesis of Pyrazolone Derivatives for Anticancer Activity Studies
Karli Clifton	Siva Murru	Electrochemical Synthesis of Organonitrogen Compounds
Antionette Leo	Nektarios Barabutis	Unfolded protein response-mediated regulation of lung endothelial permeability

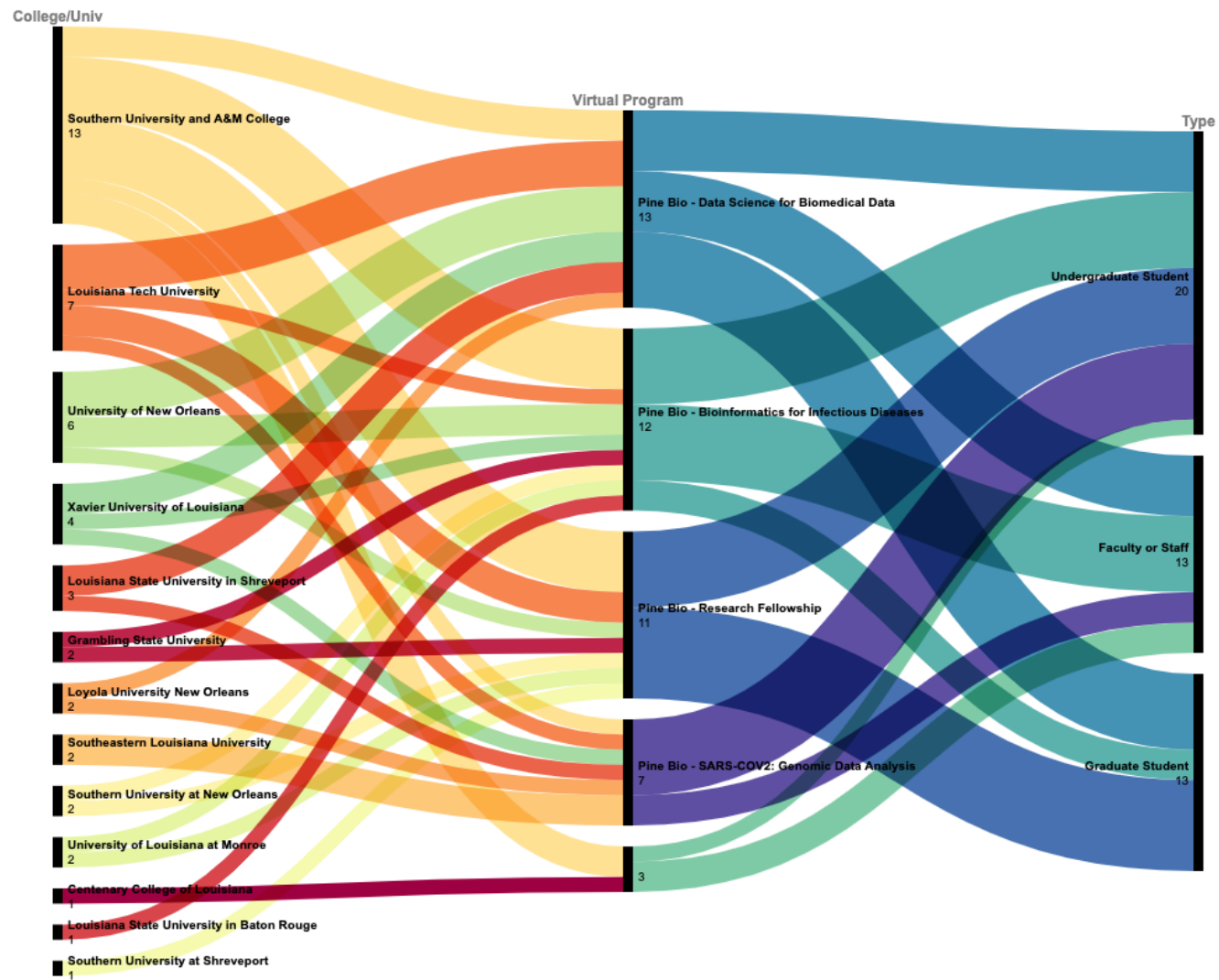
Student	Faculty	Project Title
Kaitlyn Hawkins	Anup Kundu	Targeted delivery of doxorubicin liposomes for the treatment of chemoresistant breast cancer
Amaya Sanders	Joseph Chaney	Applying the Brakes: Understanding the Role of Conformational Changes in Kinesin-5

Student	Faculty	Project Title
Shilpa Thota	Sanjay Batra	Complex interplay between Hsp90 and Beclin-1 regulatesTLR-4 mediated autophagy during Pentachlorophenol exposure-an in vitro approach
Jamaya L. Watson	Sanjay Batra	Complex interplay between Hsp90 and Beclin-1 regulatesTLR-4 mediated autophagy during Pentachlorophenol exposure-an in vitro approach



Total Number of Student Participants	Total Number of Faculty Mentors
29	24





Type of participants	# of participants
Faculty or Staff	13
Graduate Student	13
Undergraduate Student	20

Virtual Program	# of participants
Omics Logic Bioinformatics	29
Bioinformatics for Infectious Diseases	12
SARS-COV2: Genomic Data Analysis	7
Data Science for Biomedical Data	13
Research Fellowship	11