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Application Deadline
February 11, 2015

http://lbrn.lsu.edu/SRP

Louisiana Biomedical Research Network (LBRN)

2015 Summer Research Program for Faculty
May 25—July 31 2015

http://lbrn.lsu.edu

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Department of Biological Sciences
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The goals of LBRN are to

Maintain and expand the previously established state-wide infrastructure and intellectual research network supporting interdisciplinary biomedical research.

Expand and improve the critical mass of biomedical investigators at primary PUI campuses through the support of mentored research, and enhanced communication.

Increase student interest in biomedical research careers throughout Louisiana by providing summer research opportunities to all institutions within the State.

Evaluate, assess and continuously monitor the progress within LBRN through detailed tracking of research accomplishments, the development of human resources, and productive collaborations among participating institutions.

2013 Summer Projects

“Roles of poly(ADP-ribose) polymerase-1 (PARP-1) in the pathogenesis of asthma”
   ~ Bashir Attetia (SUNO)

“Enhancing ICM-Web: A Prototype Computational Core Activity”
   ~ Thomas Bishop (LATECH)

“Optimization of Gold-nanoshell-mediated photothermalysis of Lymphatic Endothelial Cells as a strategy for disrupting lymphatic vessels.”
   ~ Kui Chen (LSUS)

“High Efficient Cell Separation and Concentration using Magnetic Nanoparticles”
   ~ William Yu (LSUS)

2014 Summer Projects

“The New Antioxidant HTP is a Promising Therapy for Treating Erectile Dysfunction”
   ~ Bashir Attetia (SUNO)

“The Role of Mediator in Maintaining and Differentiating Human Mesenchymal Stem Cells”
   ~ Jamie Newman (LA Tech)

“The Role of Oxidative Stress in Obesity Pathogenesis of Drosophila Melanogaster”
   ~ Matthew Talbert (ULL)

“Surface Plasmon Enhanced Nanocluster Fluorescence for Imaging”
   ~ William Yu (LSUS)

2012 Summer Projects

“Inhibiting lymphatogenous tumor metastasis by Au-nanoshell-mediated hyperthermia”
   ~ Kui Chen (LSUS)

“Role of lunH in Bacillus anthracis spore germination”
   ~ Rebecca Giorno (LATECH)

“Point-of-care Microelectronic Diagnostics For Early Phase Rickettsial Infections”
   ~ Adarsh Radadia (LATECH)

“The Role of MAPK-Mediated Cytoskeletal and Junctional Reorganization in Histamine-induced Endothelial Hyperpermeability”
   ~ Joseph Olubadewo (SUNO)

“Epigenetic regulation of α-actinin (1,4) in glioblastomas by miRNAs”
   ~ Quincy Quick (SUNO)

2011 Summer Projects

“Roles of the Bacillus anthracis spore coat and exosporium in modulating a response to germ”
   ~ Rebecca Giorno (LA Tech)

“Effect of Adenylyl Cyclase Isoform Specificity on CREB Activation by Ethanol Stimulation”
   ~ Wu Xu (ULL)

“Molecular modeling the interaction of domain I gK and first segment with membrane”
   ~ Shizhong Yang (SUBR)