

Networked Campus Contacts

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Research Opportunities

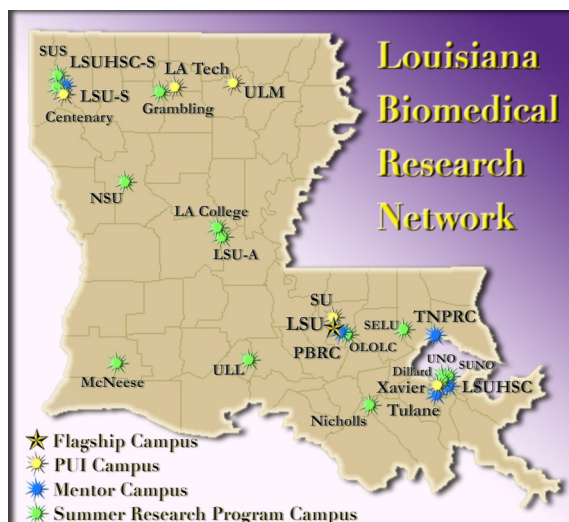
Pilot and Full Projects, request for application will be advertised on the LBRN website when funding is available.

Summer Projects, research opportunities for junior faculty can be found on the LBRN website,

<http://lbrn.lsu.edu/SRP>

Application Deadline

February 12, 2014



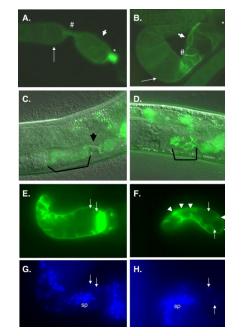
Louisiana Biomedical Research Network (LBRN) is supported by an Institutional Development Award (IDeA) from the National Institute of General Medical Sciences of the National Institutes of Health under grant number 8P20GM103424 and the Louisiana Board of Regents for the purpose of improving the competitiveness of Louisiana biomedical researchers.

10/2013



Louisiana Biomedical Research Network (LBRN)

Research Opportunities for Faculty
May 26—August 1, 2014
(tentative)



**Image by Christopher Gissendanner taken from Dev Biol. 2008 Jan 15;313(2):767-86.*

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LBRN

Louisiana Biomedical Research Network was established in September 2001 with funding by NIH, NCRR's IDeA Networks of Biomedical Research Excellence Program (Grant P20RR016456) and National Institute of General Medical Sciences (Grant P20GM103424) and Louisiana Board of Regents, the LBRN program is committed to raising the research competitiveness of Louisiana researchers.

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.

Full Projects

"Modeling Protein-Substrate Interactions in the Lipoxygenase Family Using Computational Approaches"
~ Shuju Bai (SUBR)

"P-gp and LRP1 roles in beta amyloid clearance across the blood brain barrier"
~ Amal Kaddoumi (ULM)

"Development of Novel Anti-Cancer Agents"
~ Elahe Mahdavian (LSUS)

"Regulation of Mouse ES Cell Differentiation into Neurons by Hoxa1"
~ Eduardo Martinez-Ceballos (SUBR)

"Inhibition of HSV-I associated ocular neovascularization by antiangiogenic agents"
~ Harris McFerrin (XULA)

"Role of extracellular domain IV of HER2 protein in cell signaling"
~ Seetharama Satyanarayanajois (ULM)

"Rule-based Data Mining for Knowledge Discovery in Alzheimer's Disease using Microarray Databases"
~ Perna Sethi Dua (LA Tech)

"Assessment of the Molecular Target of Fusarchromanone and Its Analogues"
~ Tara Williams-Hart (LSUS)

"Parsing the molecular mechanism of transport motors mutated in human spastic paraplegia"
~ Thomas Huckaba (XULA)

Pilot Projects

"Point-of-care Microelectronic Diagnostics For Early Phase Rickettsial Infections"
~ Adarsh Radadia (LA Tech)

"Roles of the Spore Coat and Exosporium in Spore Germination and Dormancy"
~ Rebecca Giorno (LA Tech)

"Identifying inhibitors of the Mutagenic Retrotransposon LINE 1 Endonuclease"
~ Cecily Bennett (XULA)

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 (LA Tech)

"Optimization of Gold-nanoshell-mediated photothermolysis 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)