

LOUISIANA RESEARCH INSTITUTION CORE SERVICES CATALOGUE



2016

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INSTITUTION INDEX

GSU	<u>Grambling State University</u>
LA CaTS	<u>Louisiana Clinical & Translational Science Center</u>
LA TECH	<u>Louisiana Tech</u>
LCRC	<u>Louisiana Cancer Research Consortium</u>
LSU	<u>LSU Agricultural & Mechanical College</u>
LSUHSC-NO	<u>LSU Health Sciences Center – New Orleans</u>
LSUHSC-S	<u>LSU Health Sciences Center – Shreveport</u>
LSU AgCenter	<u>LSU Agricultural Center</u>
McNeese	<u>McNeese State University</u>
NSU	<u>Nicholls State University</u>
PBRC	<u>Pennington Biomedical Research Center</u>
Tulane	<u>Tulane University</u>
ULL	<u>University of Louisiana - Lafayette</u>
ULM	<u>University of Louisiana – Monroe</u>
UNO	<u>University of New Orleans</u>
XULA	<u>Xavier University of Louisiana</u>

LIFE SCIENCES SERVICES

Genomics & Biostatistics

- [Biostatistics & Data Management Core \(PBRC\)](#)
- [Biostatistics Core \(LCRC\)](#)
- [Biostatistics & Epidemiology Core \(LA CaTS\)](#)
- [DNA Diagnostics Core \(Tulane\)](#)
- [DNA Sequencing Core \(Tulane\)](#)
- [Genomics and Biostatistics Core \(Tulane\)](#)
- [Biochemical Genetics Core, Cytogenetic Core, Molecular Diagnostics Core \(Tulane\)](#)
- [DNA Microarray and Expression Core \(Tulane\)](#)
- [Genetics and Genome Banking Core \(Tulane\)](#)
- [Genomics Core \(PBRC\)](#)
- [Genomics and DNA Microarray Core \(LSUHSC-S\)](#)
- [Genomics Core \(LSUHSC-NO\)](#)
- [Real-Time PCR Core \(Tulane\)](#)
- [Real-Time PCR Core \(LSUHSC-S\)](#)
- [Affymetrix Microarray Core \(Tulane\)](#)
- [Cancer Crusaders Next Generation Sequence Analysis Core \(Tulane\)](#)
- [Comet Assay for DNA Damage and Repair \(Tulane\)](#)
- [Genomics Facility \(LSU\)](#)
- [GeneLab \(LSU\)](#)

Vector-based & Virus-based Cores

- [Vector-Borne Diseases Core \(Tulane\)](#)
- [Cloning and Vector Construction Core \(Tulane\)](#)
- [Vector Development and Production Core \(Tulane\)](#)
- [Virus Characterization, Isolation, and Production Core \(Tulane\)](#)
- [Viral Vectors Laboratory \(LSU\)](#)

Microscopy & Imaging

- [Microscopy Core \(Tulane\)](#)
- [Microscopy Core \(LSUHSC-S\)](#)
- [Confocal Microscope \(LA Tech\)](#)

- [Electron Microscopy \(LA Tech\)](#)
- [Confocal Microscopy and Image Analysis Core \(Tulane\)](#)
- [Microscopy Center \(ULL\)](#)
- [Socolofsky Microscopy Center \(LSU\)](#)
- [Microscopy Center \(LSU\)](#)
- [Clinical Imaging Core \(Tulane\)](#)
- [Whole Animal *In vivo* Imaging Laboratory \(LSU\)](#)
- [Small Animal Imaging Facility \(LSU\)](#)
- [Molecular, Imaging and Analytical Core \(Tulane\)](#)
- [Imaging/MRS Core \(PBRC\)](#)
- [Morphology and Imaging Core \(LSUHSC-NO\)](#)
- [Imaging and Nanopatterning Laboratory \(LA Tech\)](#)
- [Molecular Imaging Computational Facility \(LA Tech\)](#)
- [Cell Biology and Bioimaging Core \(PBRC\)](#)
- [Cell Analysis and Immunology Core \(LCRC\)](#)
- [Imaging Core \(LCRC\)](#)

Histology, Tissue Culture, and Cell Culture

- [Histology Core \(Tulane\)](#)
- [Tissue Culture Core \(Tulane\)](#)
- [Flow Cytometry and Cell Sorting Core \(Tulane\)](#)
- [Flow Cytometry Facility \(LSU\)](#)
- [Cell Analysis Core \(Tulane\)](#)
- [Cell Culture Core \(PBRC\)](#)
- [Flow Cytometry Core \(LSUHSC-S\)](#)
- [Flow Cytometry Core \(LSU\)](#)
- [Tissue Engineering and Cell Culture Laboratory \(LA Tech\)](#)
- [Laser Capture Microdissection Core \(LSUHSC-S\)](#)
- [Stem Cell Production Core \(Tulane\)](#)
- [Plant Transformation Facility \(LSU AgCenter\)](#)
- [Animal Cell Culture \(LSU AgCenter\)](#)
- [Molecular Immunopathology Core \(LSU\)](#)

Proteomics

- [Molecular Structuring and Modeling Core \(XULA\)](#)
- [Mass Spectrometry Core \(PBRC\)](#)
- [Mass Spectrometry Core \(LSUHSC-S\)](#)
- [Proteomics Core \(LSUHSC-NO\)](#)
- [Protein Facility \(LSU AgCenter\)](#)
- [Mass Spectrometry Facility \(LSU\)](#)
- [NMR Facility \(LSU\)](#)
- [Protein and Antibody Production and Purification Laboratory \(LSU\)](#)
- [Protein Lab \(LSU\)](#)

Drug Discovery and Delivery

- [Drug Discovery and Delivery Core \(XULA\)](#)
- [High Throughput Screening \(LSUHSC-S\)](#)

Animal Care Facilities

- [Animal Care Facility \(XULA\)](#)
- [Animal & Gene Targeted Core Facility \(Tulane\)](#)
- [Mouse Phenotyping Core \(Tulane\)](#)
- [Necropsy and Biopsy Service Core \(Tulane\)](#)
- [Animal Colony Management & Care \(Tulane\)](#)
- [Animal Metabolism & Behavior Core \(PBRC\)](#)
- [Transgenic Mouse Facility \(Tulane\)](#)
- [Transgenics Core \(PBRC\)](#)
- [Small Animal Imaging Facility \(LSUHSC-S\)](#)
- [Animal Care Facility \(LA Tech\)](#)
- [New Iberia Research Center \(ULL\)](#)
- [Division of Laboratory Animal Medicine \(LSU\)](#)

Miscellaneous

- [Cell and Molecular Biology Core \(XULA\)](#)
- [Biospecimen Core \(LCRC\)](#)
- [Molecular Neuroscience Core \(Tulane and LSU\)](#)

- [Seahorse – Cellular Bioenergetics Core \(Tulane\)](#)
- [Diagnostic Parasitology Core \(Tulane\)](#)
- [Enzootic Pathogens Survey Core \(Tulane\)](#)
- [Molecular Pathology Core \(Tulane\)](#)
- [Immunology Core \(Tulane\)](#)
- [Immunology Core \(LSUHSC-NO\)](#)
- [AgCenter Bioassay Core \(LSU AgCenter\)](#)
- [Viral Diagnostic Core \(Tulane\)](#)
- [Infectious Disease Aerobiology Core \(Tulane\)](#)
- [Pathogen Detection and Quantification Core \(Tulane\)](#)
- [Comparative Pathology \(Tulane\)](#)
- [Comparative Biology Core \(PBRC\)](#)
- [Pathogen Identification \(NSU\)](#)
- [Research Core \(LSUHSC-S\)](#)
- [Laboratory for Equine & Comparative Orthopedic Research \(LSU\)](#)
- [Biotechnology and Molecular Medicine \(LSU\)](#)
- [Center for Energy Studies \(LSU\)](#)
- [Forensic Anthropology & Computer Enhancement Services Laboratory \(LSU\)](#)
- [Polymer Analysis Laboratory \(LSU\)](#)
- [Ag Chemistry Laboratory \(LSU AgCenter\)](#)
- [Biotechnology Laboratory \(LSU AgCenter\)](#)

Basic Equipment

- [RCMI Major Instrumentation Core \(XULA\)](#)
- [Shared Instrumentation \(UNO\)](#)
- [Shared Instrumentation Facility \(LSU\)](#)
- [Coordinated Instrumentation Facility \(Tulane\)](#)
- [Biochemistry and Molecular Biology Shared Instrumentation Facility \(Tulane\)](#)
- [Biomedical Engineering Common Laboratory \(LA Tech\)](#)
- [Cancer Genetics Program COBRE Core Facilities \(Tulane\)](#)

CLINICAL SERVICES

- [Clinical & Translational Core \(Tulane\)](#)
- [Office of Clinical Research \(Tulane\)](#)
- [Clinical Pathology Core \(Tulane\)](#)
- [Database Management Core \(PBRC\)](#)
- [Dietary Assessment and Food Analysis Core \(PBRC\)](#)
- [Exercise Testing Core \(PBRC\)](#)
- [Clinical Chemistry Core \(PBRC\)](#)
- [Clinical Trials Unit Core \(PBRC\)](#)
- [Clinical Trials Recruiting Core \(PBRC\)](#)
- [Research Kitchen Core \(PBRC\)](#)
- [Brain Signal Processing Computational Facility \(LA Tech\)](#)
- [Sleep Research Computational Facility \(LA Tech\)](#)
- [Center for Analysis of Spatial and Temporal Systems \(ULL\)](#)
- [Teleradiology Service \(LSU\)](#)
- [Louisiana Animal Disease Diagnostic Laboratory \(LSU\)](#)
- [Sensory Services Laboratory \(LSU AgCenter\)](#)
- [Biomedical Informatics Core \(LA CaTS\)](#)
- [Health Literacy Core \(La CATS\)](#)

ENGINEERING AND MANUFACTURING SERVICES

- [Towing Tank \(UNO\)](#)
- [Advanced Materials Research Institute \(UNO\)](#)
- [Civil-Environmental Engineering Laboratories \(UNO\)](#)
- [Mechanical Engineering Laboratories \(UNO\)](#)
- [Biological Microfluidics Laboratory \(LA Tech\)](#)
- [National Trenchless Technology Research Facility \(LA Tech\)](#)
- [Institute for Micromanufacturing Equipment \(LA Tech\)](#)
- [Proto-lab prototyping Facility \(LA Tech\)](#)
- [Louisiana Accelerator Center \(ULL\)](#)
- [Center for Advanced Microstructures and Devices \(LSU\)](#)

ENVIRONMENTAL SERVICES

- Water Quality Assessments (NSU)
- Seafood Safety (NSU)
- Wetland Monitoring (NSU)
- Terrestrial Laser Scanning (NSU)
- Precision Agriculture (NSU)
- Coastal Restoration (NSU)
- Real Time Monitoring (NSU)
- Toxicology Testing (NSU)
- [Ecology Center \(ULL\)](#)
- [Soil Testing and Plant Analysis Laboratory \(LSU AgCenter\)](#)
- [Plant Diagnostic Center \(LSU AgCenter\)](#)
- [Organic & Water Laboratories \(LSU AgCenter\)](#)

ADDITIONAL SERVICES

- [Library and Information Center Core \(PBRC\)](#)
- [Project Design Laboratory \(LA Tech\)](#)
- [Computer-Aided Design and Geographic Information Systems Laboratory \(LSU\)](#)
- [Center for Computation and Technology \(LSU\)](#)
- [Administrative Core \(LA CaTS\)](#)
- [Education, Mentoring & Career Development Core \(LA CaTS\)](#)

CATALOGUE ADMINISTRATORS:

Patrick Reed, MS, RTTP
Director
Office of Technology Management,
LSU Health Sciences Center – NO
Phone: 504.568.8303
Email: preed3@lsuhsc.edu

Kevin Dietz, PhD
Registered Patent Agent
Baker, Donelson, Bearman, Caldwell,
& Berkowitz, P.C.
Phone: 504.566.5241
Email: kdietz@bakerdonelson.com