





LOUISIANA RESEARCH INSTITUTION CORE SERVICES DIRECTORY

BAKER DONELSON



We at Baker Donelson are pleased to present the *2018 Louisiana Research Institution Core Services Directory*. The life sciences and technology environment in Louisiana has seen significant growth and success in recent years. This growth is reflected in the number and diversity of core research services offered by Louisiana's academic institutions. This directory provides information and links to the core research services available to industry and academic collaborators alike. We hope you find this resource helpful.



DIRECTORY ADMINISTRATORS



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Kevin Dietz is a patent agent and concentrates his practice on U.S. patent prosecution for life science and biotechnology fields, patent portfolio management and patentability assessment. Prior to joining Baker Donelson, Dr. Dietz was with the Office of Technology Management at LSU Health Sciences Center New Orleans. Prior to joining LSU Health Sciences Center, Dr. Dietz completed a joint post-doctoral fellowship in the Department of Neurology at Harvard Medical School and the Center for Human Genetic Research at Massachusetts General Hospital.



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Paula Estrada de Martin is a life sciences and biotechnology patent attorney in the Firm's New Orleans office and a member of the Intellectual Property Group and the Global Business Team. She focuses her practice on U.S. and foreign patent prosecution for life science, biotechnology and plant fields, patent interferences, patent portfolio management, patentability assessment, biosimilar assessments and strategy, non-infringement and invalidity opinions, due diligence, presuit investigation and litigation support for life sciences and plant matters.

LOUISIANA RESEARCH INSTITUTION CORE SERVICES DIRECTORY

INSTITUTION INDEX

DCC	<u>Delgado Community College</u>
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>

LOUISIANA RESEARCH INSTITUTION CORE SERVICES DIRECTORY (Continued)

LIFE SCIENCES SERVICES

Genomics & Biostatistics

- [Molecular Mechanisms Core \(PBRC\)](#)
- [Translational Genomics Core \(TGC\) \(LCRC\)](#)
- [Bioinformatics and Genomics \(LSUHSC-NO\)](#)
- [The Epidemiology Data Center \(LSUHSC-NO\)](#)
- [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 Core \(LSUHSC-NO\)](#)
- [Real-Time PCR Core \(Tulane\)](#)
- [Real-Time PCR Core \(LSUHSC-S\)](#)
- [Affymetrix Microarray Core \(Tulane\)](#)
- [Affymetrix Microarray Core \(LSUHC-S\)](#)
- [Cancer Crusaders Next Generation Sequence Analysis Core \(Tulane\)](#)
- [Next Generation Sequencing Core \(LSUHSC-S\)](#)
- [Comet Assay for DNA Damage and Repair \(Tulane\)](#)
- [Genomics Facility \(LSU\)](#)
- [GeneLab \(LSU\)](#)
- [QPCR and conventional PCR \(DCC\)](#)

Vector-based & Virus-based Cores

- [Vector Core \(LSUHSC-NO\)](#)
- [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

- [Molecular Histopathology and Analytical Microscopy Core \(MHAM\) \(LCRC\)](#)
- [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 \(LCRC\)](#)
- [Fluorescent Microscopy \(DCC\)](#)

Histology, Tissue Culture, and Cell Culture

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

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LOUISIANA RESEARCH INSTITUTION CORE SERVICES DIRECTORY (Continued)

LIFE SCIENCES SERVICES, Continued

- [Animal Cell Culture \(LSU AgCenter\)](#)
- [Molecular Immunopathology Core \(LSU\)](#)
- Cell Culture (DCC)
- Paraffin embedded sectioning (DCC)

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 \(LSU\)](#)
- FPLC and UPLC chromatography (DCC)
- Mass Spectrometry (DCC)

Drug Discovery and Delivery

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

Animal Care Facilities

- Animal Models and Phenotyping Core (PBRC)
- [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

- [Nutrition and Obesity Research Center Core Labs \(PBRC\)](#)
- [Cellular Immunology and Immune Metabolism Core \(LCRC\)](#)
- [HIV-Clinical/Tumor Biorepository Core \(LCRC\)](#)
- [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 \(Tulane\)](#)
- [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](#)

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LOUISIANA RESEARCH INSTITUTION CORE SERVICES DIRECTORY (Continued)

- [Instrumentation Facility \(Tulane\)](#)
- [Biomedical Engineering Common Laboratory \(LA Tech\)](#)
- [Cancer Genetics Program COBRE Core Facilities \(Tulane\)](#)
- [Standard Molecular Biology Laboratory Equipment \(DCC\)](#)

CLINICAL SERVICES

- [Human Phenotyping Core \(PBRC\)](#)
- [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

- [Nanotechnology Core \(XULA\)](#)
- [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 \(LA Tech\)](#)
- [VizLab, previously known as the Computer-Aided Design and Geographic Information Systems Laboratory \(LSU\)](#)
- [Center for Computation and Technology \(LSU\)](#)
- [Administrative Core \(LA CaTS\)](#)
- [Education, Mentoring & Career Development Core \(LA CaTS\)](#)

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