



# LSU

## INNOVATIONS

**11** R01 FUNDED FACULTY

**41** NIH FUNDED FACULTY

**137** FACULTY & RESEARCHERS

**ACTIVELY ENGAGED**  
IN LIFE SCIENCES &  
BIOENGINEERING  
RESEARCH

### TECHNOLOGIES FOR LICENSING

See more technologies at  
[www.lsu.edu/technologies](http://www.lsu.edu/technologies)

#### BIOLOGICS

- Peptides to Treat Amyloid Associated Diseases such as Alzheimer's
- Methods to Enrich Stem Cells
- Methods for Improving Preservation of Eukaryotic Cells
- Live Attenuated and Recombinant Herpes Simplex Virus (HSV-1) Vaccine

#### CANCER

- Herpes Simplex as a Vector to Treat Cancer
- Pfkfb3 Inhibitors to Treat Cancer
- Enhanced Plasmonic Nanoparticles
- Compounds for Tumor Therapy

#### ANIMAL HEALTH

- Bovine Herpes Virus Vaccine
- Fish Pathogen, Francisella sp., Vaccine

#### BIOLOGICAL CHEMICALS

- Cost Effective Methods To Synthesize Nootkatone
- Cyclohexamine Derivatives As A Novel Insecticide
- Phytic Acid As Environmentally Benign Termiticide

#### DIAGNOSTICS, DETECTION, AND IMAGING

- NIR Fluorescent Xanthene Probes
- Highly Selective And Sensitive Probes in Rapid Fluorescent Detection
- Microfluidic High-Speed Capture Of Rare Circulating Target Cells

#### PARTNERSHIPS

Mary Bird Perkins – LSU Medical Physics Partnership  
Tulane National Primate Research Center Partnership

#### PROGRAMS AND FACILITIES

Analytical Systems Laboratories  
Aquatic Toxicology Laboratories  
Center for Experimental Infectious Disease Research (CEIDR)  
Charles V. Cusimano Equine Physiology and Pharmacology Laboratory  
Division of Biotechnology and Molecular Medicine (BioMMED)  
Equine Health Studies Program (EHSP)  
Equine Molecular Biology Research Laboratory  
Equine Orthopedics and Biomechanics  
Equine Performance Evaluation Laboratory  
Equine Reproduction/Theriogenology Laboratory  
Gene Probes and Expression Systems Laboratory  
Laboratory for Equine and Comparative Orthopedic Research  
Macromolecular Computing Analysis Facility  
Microscopy Center  
Musculoskeletal Scientific Research Consortium  
Pfeiffer-Burt Lameness and Performance Pavilion  
Protein Facility  
Small Animal Imaging Laboratory  
Socolofsky Microscopy Center



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