

# Molecular Neurobiotechnology Core Facility

## Equipment (cont.):

**Beckman Biomek 2000 liquid handling station** - for high throughput nucleic acid purification, ELISA, and PCR set-up



**BLS-2 Tissue Culture Facility** - for tissue culture and recombinant viral production



## Molecular Neurobiotechnology Core Facility

### Faculty:

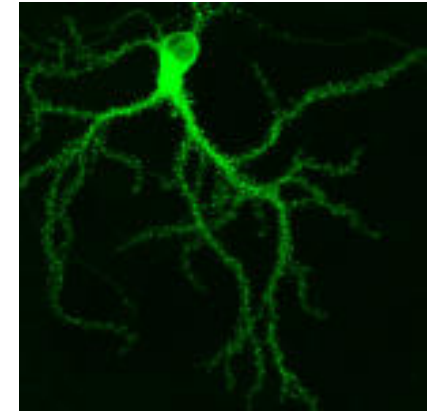
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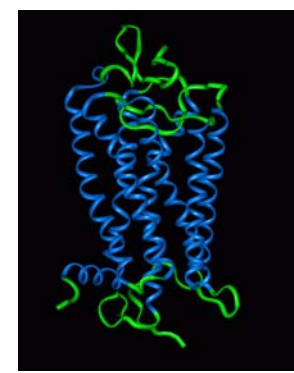
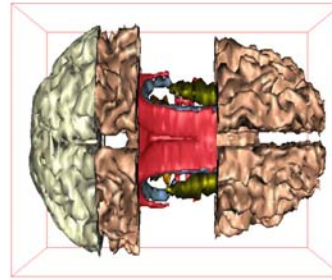
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The Molecular Neurobiotechnology Core Facility at Tulane and Louisiana State University was established to investigate a broad array of molecular mechanisms within the field of neuroscience. This facility provides the infrastructure for investigators interested in molecular neuroscience to exchange ideas, establish new collaborations, and produce research.

Louisiana State University  
**LSU**





## Goals

Excellence in the field of neuroscience research is an established tradition at Tulane and Louisiana State Universities. The Molecular Neurobiotechnology Core Facility provides the infrastructure for the neuroscience community to investigate molecular regulatory mechanisms that control various neural processes.



By offering investigators the support mechanism to add molecular biology techniques to their laboratories, the power of molecular biology can be leveraged to further the pursuit of understanding how the brain functions.

## Funding

The facility was funded by a generous grant from the State of Louisiana as a part of the Louisiana Neurobiotechnology Initiative, and is located on the uptown campus of Tulane University. It has one permanent staff member, and numerous graduate students, postdoctoral, and faculty affiliates.



## Services and Training

- Real-time PCR
- Recombinant Viral Design/Production

## Equipment

**BioRad Real-time iQ-Thermocycler** - for quantitative PCR & RT-PCR



**Patch-clamp electrophysiology rig** - for single-neuron collection

## Molecular Devices

**UV/Visible/Fluorescent plate reading spectrophotometers** - for quantitative nucleic acid and protein spectral analysis

