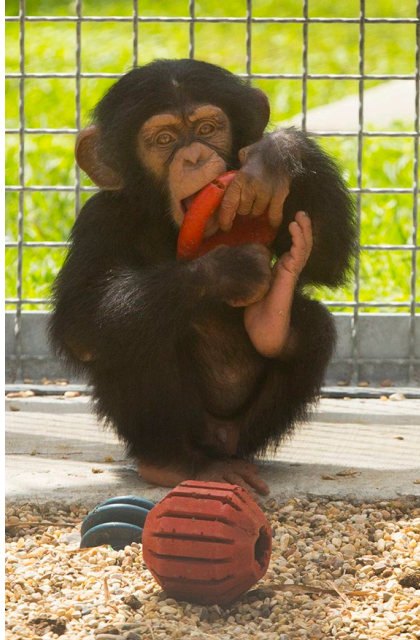


ACE NIRC presentation March 30, 2022

<https://nirc.louisiana.edu/>

Tel: (1) 337 482 0300



New Iberia Research Center



- **Mission:** Specialize in providing resources for the development and characterization of non-human primate models for applied and basic research aimed at promoting human quality life.

NIRC FOCUS: PUBLIC HEALTH & NATIONAL SECURITY

- *Largest Single Location of NHPs in the US for Use in Research*
- *Contract Research Organization (CRO): > 40 Companies – Reliable Partner*
- *NIH Funded Research: Since 2015; SIV-HIV Research: \$67M NIH Contract*
- *University R&D in FY 2020 Total: \$164M; NIRC: \$52M (~70M in 2021)*
- *Disease Models: Metabolic Diseases: Diabetes, Hypertension, Stroke, Dyslipidemia, IBD, Infectious Diseases: HIV, HBV, HSV, RSV, Zika, Flu, COVID, Dengue*
- *Vaccines & Therapeutics Developed & Tested at NIRC*
 - Anti-HIV, HCV, HBV; Monoclonal Antibodies, RNA Vaccines: Mumps, COVID, Measles, Chicken Pox, Ebola, AIDS, RSV, Zika, Dengue, Meningitis*

New Iberia Research Center

■ NIRC Assets

➤ Facilities

- 100 acre facility
- 470,000 sq feet of animal housing and support
- Indoor / outdoor housing
- On site diagnostic clinical pathology laboratory
- On site imaging capabilities...

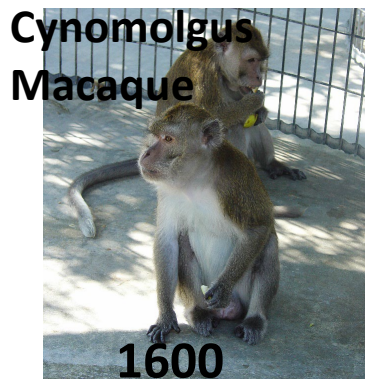
➤ Personnel

- 200+ employees.

20% college degrees- DVM, Ph.D, BS in biology, toxicology, Sustainable Resources, etc.

Training provided on site

➤ Primates



New Iberia Research Center

- Imaging capabilities

Connecting whole body to single cells?
Multi-modality imaging – borrowing from cancer



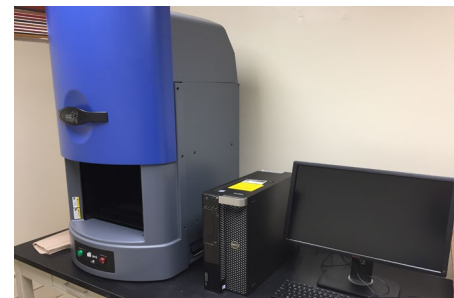
Macro: PET/CT

+

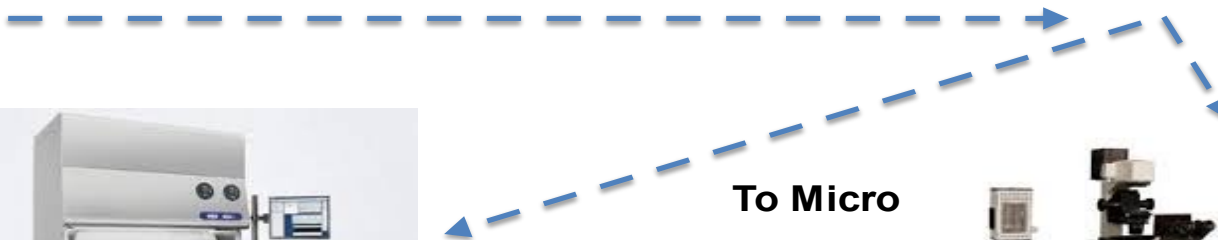


Near-IR imaging

+



Bioluminescence/fluorescence



Flow cytometry/sorting...

or



confocal/Raman, etc. microscopy

New Iberia Research Center

■ **What do we offer:**

- Streamlined contracting of preclinical nonhuman primate testing process with client retaining all IP. Work is conducted GLP like for full reconstructability of studies.
- Model development of specific human diseases – services and expertise, including regulatory approvals.
- Models span from in utero to issues of aging.
- Access to a large number of nonhuman primates and/or procurement and testing platforms.
- The ability to participate in studies on site, including laboratory space if needed
- Partnerships in research including sharing IP with start-ups in exchange of diminished costs of NHP testing