

# CARFS Phase II Projected 2023-2028

The ONLY Forensic Science Industry-University Cooperative Research Center

## \$4.25M in Anticipated Research Funds

### CARFS Strengths



- Chemistry**
- Trace analysis
  - Contraband detection
  - Biosensors



- Biology**
- Microbial
  - Entomology
  - Genomics



- Toxicology**
- Metabolomics
  - Biomarkers



- Medicine:**
- Medico-legal death investigation
  - Anthropology
  - Taphonomy

### Phase II Enhancements



- Digital Evidence**
- Mobile device analysis
  - Authentication



- Nuclear Forensics**
- Source signatures



- Environmental Forensics**
- Wildlife trafficking
  - Attribution

### Phase II Partners (\*Under discussion)

#### Industry Members

- ADF Solutions\*
- Alakai Defense
- Cellebrite\*
- DetectaChem\*
- Lynn Peavy\*
- MITRE\*
- Pendar\*
- RTI\*
- SciApp\*
- Trace Eye-D\*

#### Government Members

- Armed Forces DNA Identification Laboratory\*
- Customs and Border Protection
- Drug Enforcement Administration
- Environmental Protection Agency\*
- Federal Bureau of Investigation
- Food and Drug Administration\*
- Idaho\*
- Los Alamos National Lab\*
- Lawrence Livermore National Laboratory
- National Institute of Standards and Technology
- Oak Ridge National Laboratory
- Pacific Northwest National Laboratory\*
- Sandia National Laboratories\*
- Savannah River National Laboratory\*
- United States Department of Agriculture\*
- United States Secret Service
- U.S. Army Criminal Investigation Laboratory\*
- U.S. Fish and Wildlife Service

#### Universities (+ Site ~ Affiliate)

- Florida International University (lead)
- Texas A&M (+)
- Sam Houston State University (+)
- Boston University (-)
- Howard University (-)
- Syracuse University (-)
- University of Michigan (-)

### Contributions

- Research ideas
- Research funds

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- Infrastructure
- Intellectual capital
- Reduced indirect costs

### Benefits

- Talent hiring opportunities
- Royalty-free, non-exclusive IP licenses
- Access to research products

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- Student support
- Research funding
- Industry collaboration

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