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[www.amplify-bio.com](http://www.amplify-bio.com)

## AMPLIFY WHAT'S POSSIBLE IN ADVANCED THERAPIES PRECLINICAL RESEARCH

Amplifybio is a preclinical CRO in Columbus, Ohio spun out of Battelle to address the specific needs and critical timelines of companies developing advanced therapies. Amplifybio draws on an 11-year history as a center of excellence for preclinical evaluation of investigational products in all species.

We have now added a portfolio of analytics services targeting the investigation of advanced medicines, including cutting-edge virology, immunology, and molecular testing. A combination of experience, expertise, and next-generation capabilities makes Amplifybio a preferred partner for translation and validation of advanced therapeutics.

### AVAILABLE SPECIES AND MODELS

Lean on our experience across multiple species to assist you in devising the most appropriate study strategy. Immunodeficient, immunocompromised, and transgenic or other genetically modified models are also available.

#### SMALL ANIMAL MODELS

- Rodents- mice, rats, guinea pigs, hamsters
- Nonrodents – ferrets, rabbits

#### LARGE ANIMAL MODELS

- Minipigs and pigs
- Dogs
- Nonhuman primates

### ROUTES OF ADMINISTRATION

- Intravenous
- Intramuscular
- Intraperitoneal
- Parenteral
- Oral
- Tracheal installation
- Intrathalamic
- Intrathecal
- Intracisterna magna
- Intracranial
- Inhalation
- Subcutaneous
- Dermal

Contact us today to learn how Amplifybio can partner with you to meet your study goals



## BIOANALYTICS

We are significantly expanding our assay platforms and capabilities to support data-driven decision making for the development of advanced therapies.

Across the business, our experts in virology, immunology, and molecular biology, have access to the latest platforms and methods to ensure you have the analysis you depend on:

### IMMUNOLOGICAL TESTING

- Immunophenotyping
- Cellular immunity (T cells/ B Cells)
- Complement activation
- Antibodies and neutralization
- Cytokine production
- Immunoprofiling

### MOLECULAR TESTING

- Biodistribution and persistence
- Genomic insertion assessments
- Vector shedding
- Next generation sequencing
- Gene expression profiling
- Spatial gene expression

## SERVICES

Whether for an independent project to advance mechanistic understanding of advanced therapies, longer term study, or full IND enabling data package you need, we can customize the right program for you. By understanding your commercial goals early, we design the most efficient path to achieve them.

- Study design
- General toxicology
- Safety pharmacology
- Efficacy testing
- Inhalation toxicology
- Bioanalytics
- Anatomic and clinical pathology
- Method development and validation
- GLP and non-GLP studies
- SEND data sets

## AMPLIFY AT A GLANCE

- 220,000 sq ft. AAALAC accredited facility inspected by FDA and USDA
- 64 room vivarium
- Surgical suites and capabilities - all species
- Custom workflows and expanded facilities and capabilities to address the complex study design requirements for advanced medicines
- Broadly experienced scientific staff with advanced degrees, training, and certifications relevant to the study of cell and gene therapies

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