



# FASEB

Federation of American Societies  
for Experimental Biology

# ANIMAL RESEARCH

## SAVES LIVES AND CURES DISEASES



**Nonhuman primate research has led to cures for primate diseases...**

Gastrointestinal diseases  
Parasitic diseases  
Rabies



**...to cures for human diseases...**

Epstein-Barr virus  
Depression  
Multiple sclerosis

**...and to cures for diseases affecting humans and primates**

Parkinson's disease  
Zika virus  
Chronic lung disease  
Sickle cell anemia  
HIV/AIDS  
Tuberculosis

**FOR EXAMPLE**

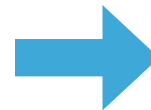
**Sickle cell anemia treatment**



Nonhuman primate research



Gene therapy



Successful sickle cell anemia clinical trials



**Sheep research has led to cures for sheep diseases...**

Ovine progressive pneumonia  
Parasitic diseases



**...to cures for human diseases...**

Huntington's disease  
Bacterial infections

**...and to cures for diseases affecting humans and sheep**

Congestive heart failure  
Batten disease  
Asthma  
Prion diseases

**FOR EXAMPLE**

**Non-invasive recordings for Epilepsy and Parkinson's disease**



Sheep research



Similar blood vessel anatomy



Invention of "stentrode": non-invasive neurological recordings for epilepsy and Parkinson's



Nutritional needs  
Viral diseases

Influenza  
Spinal cord disorders  
Neurological disorders

CHARGE syndrome  
Norovirus (stomach bug)

**FOR EXAMPLE**

**Alzheimer's disease diagnosis**



Llama research



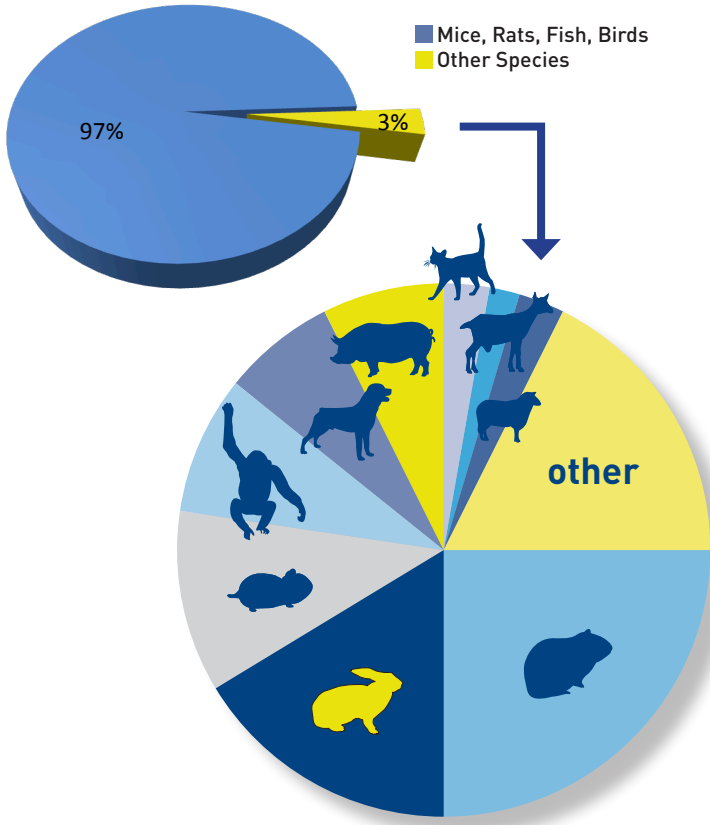
Nano-antibodies



Amyloid plaque detection

**Animals in Research**

Approximately 97% of animal research is conducted in rodents, fish, and birds. Studies in other species are awarded funding only when appropriate.



**Animal Research is Regulated**



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