

Roles Animals have Played in Biomedical Research

ARMADILLO



Leprosy

GUINEA PIG



Diphtheria Vaccine
Immune Systems

CAT



Cataract Surgery
Deafness
Epilepsy
Feline Leukemia
Glaucoma
Lupus

HAMSTER



Diabetes
Lyme Disease

CHINCHILLA



Cholera Vaccine
Sleep Research

MARINE SPONGE



Human Immune System

DOG



Aging
Artificial Hips & Joints
Behavioral Studies
Organ Transplants

MOUSE



Addictive Drugs
Cancer Treatments
Genetic Models
Organ Transplants
Whooping Cough Vaccine

RABBIT



Emphysema
Eye & Ear Infections
Rabies Vaccine
Skin Disorders

FERRET



Canine Distemper
Influenza Virus
Reproductive Research
Toxicology Research

MONKFISH



Hormone Research
Insulin for Diabetes

SALAMANDER



Heart Attack Research

FLY



Genetic Research

PIG



Atherosclerosis
Heart Transplants
Motion Sickness Patches
Plastic Surgery
Stress Studies

SHEEP



Anthrax Vaccine
Fetal Alcohol Syndrome
Joint Reconstruction
Pregnancy Research

FROG



Antibiotics

PRIMATE



AIDS
Alzheimer's Disease
Gum Disease
In Vitro Fertilization
Polio Vaccine
rH Factor

WOODCHUCK



Hepatitis B

This poster highlights a few of the many animals that have helped biomedical researchers discover treatments and cures for many serious and often fatal diseases of both humans and animals. Animal studies have played an essential role in developing vaccines, medications and even surgical techniques used by physicians and veterinarians throughout the world. Further research will lead to solutions to the many health threats that still face us now, and that will arise in the future.

The Michigan Society for Medical Research (MISMR) is dedicated to informing the public about the importance of biomedical research and animal studies, and encouraging critical thinking in science education.

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