Discover Your Dream Biomedical Research Career

Biomedical Research and Laboratory Animal Science

Biomedical research is the broad area of science that seeks to understand the body in order to find preventions and treatments for diseases that impact humans and animals.

Laboratory animal science is the area of biomedical research that specializes in the care and study of animals used in medical research, testing, and teaching.

The discoveries made through animal research impact every one of us every day. Without animal research, we would not have effective and safe medications to treat and prevent illnesses - both in ourselves and our pets.

The Role of Animals in Research

Animal studies are a critical part of research break-throughs. They allow us to gain a deeper understanding of complex living systems and provide new insight on diseases that affect both animals and humans. From basic research to human clinical trials, every step is necessary to ensure medications are safe and effective. Despite the advancements in technology, it is impossible to replicate the intricate interactions between cells, tissues, and organs present in a living organism. Therefore, until effective alternatives are discovered, animals will continue to be an essential and irreplaceable part of research.

Animal Research Heroes

Here are some of the many incredible animals involved in research that contribute to medical advancements for both humans and animals.

Finding Your Role

The field of biomedical research offers a range of opportunities across various positions and specialties. These jobs can be found at academic institutions, pharmaceutical companies, hospitals, contract research organizations, non-profits, medical and veterinary schools, and more.

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Exploring Careers in Biomedical Research

The career opportunities in laboratory animal science and biomedical research are vast and variable involving both direct and indirect work with animals. Every day, professionals in this field support research and discoveries that are life-changing for humans and animals around the world.
Find the perfect position for you in this challenging and rewarding field.

Animal Health Technician

Job Description
Monitor animal health and provide medical care as prescribed by a veterinarian

Training / Education
High school diploma
Certification possible or required

Researcher

Job Description
Study medical conditions and conduct experiments to develop new medical techniques, devices, treatments, and medicines

Training / Education
Graduate diploma
Certification possible or required

Cagewash and Facility Maintenance

Job Description
Personnel keep research facilities and equipment clean, dependable, and safe

Training / Education
High school diploma

Veterinarian

Job Description
Provide medical care to animals, perform research, and serve as consultants and collaborators to researchers

Training / Education
Graduate diploma
Certification possible or required

Animal Behaviorist

Job Description
Study animals to collect data on their behavior and activities

Training / Education
College degree

Regulatory Compliance Specialist

Job Description
Maintain and enforce the laws and rules that govern the use of animals in all areas of research
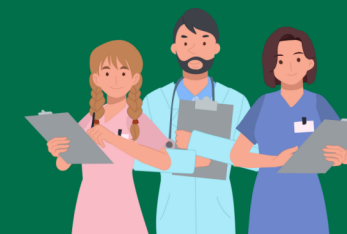
Training / Education
College degree

Veterinary Technician

Job Description
Assist veterinarians with veterinary care in private animal clinics, animal hospitals, zoos, or research facilities

Training / Education
College degree
Certification possible or required

Animal Care Technician

Job Description
Provide food and water, clean housing, and enrichment for laboratory animals and monitor animal health on a daily basis

Training / Education
High school diploma
Certification possible or required

Research Associate

Job Description
Work with scientists, doctors, and veterinarians in laboratories assisting in experiments, analyzing data, and maintaining equipment

Training / Education
College degree
Certification possible or required

Find out more

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