

Bio Process Lab

CAREERS



Image Source: Canva

CAREERS

Biologist

What they do:

Biologists study humans, plants, animals, and the environment in which they live. They may conduct their studies—human medical research, plant research, environmental system research at the cellular level or the ecosystem level or anywhere in between.

Source: [The Princeton Review](#)

Food scientists, science writers, nature conservation officers, medical lab technicians, forensic scientists, and even pharmaceutical sales representatives are all professionals who may have started off their careers with a degree in biology.

Source: [Harvard Summer School](#)

A CAREER IN BIOLOGY

Pursuing a career in biology can be immensely rewarding and exciting. Studying biology teaches you to ask questions, make detailed observations, evaluate evidence, and solve problems. Biologists study the evolution, natural history, and conservation of plants and animals; investigate the interactions of living organisms with light, the environment, or each other; and work to advance pharmaceuticals, biotechnology, and medical research.

Source: [American Institute of Biological Sciences](#)

Science Olympiad was designed to help students build STEM skills and understanding through inquiry-based challenges, starting in kindergarten all the way through high school. MSO engage industry professionals, institutions of higher education, community mentors, and Science Olympiad alumni to ensure that our programming exposes students to the latest scientific innovations and breakthroughs

Molecular & Cell Biologist

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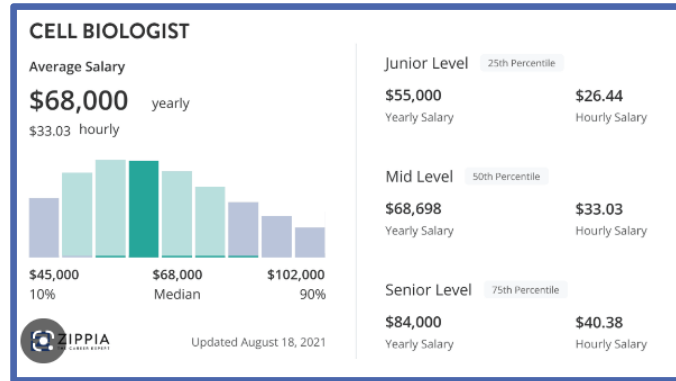
Molecular & Cell Biologists:

- Maintain accurate laboratory records and data.
- Design molecular or cellular laboratory experiments, oversee their execution, and interpret results.
- Write grant applications to obtain funding.

Source: [FirstHand](#)

Molecular and cellular biologists, also known as biological scientists and life scientists, study the processes and codes of cells and molecules in humans, microorganisms, plants, and animals. They aim to understand the organization and function of cellular components. They perform research in many specialties that advance the fields of medicine, agriculture, and industry. They work in laboratory settings, in government agencies, and in academia.

Source: [FirstHand](#)



Biochemists & Biophysicists

Basic Skills:

- Using scientific rules and strategies to solve problems
- Reading work related information

Problem Solving:

- Noticing a problem and figuring out the best way to solve it

People and Technology System:

- Thinking about the pros and cons of different options and picking the best one
- Figuring out how a system should work and how changes in the future will affect it

Source: [My Next Move](#)



Image Source: Canva

Biochemists & Biophysicists

Biochemists and Biophysicists study the chemical composition or physical principles of living cells and organisms, their electrical and mechanical energy, and related phenomena. They may determine the effects of foods, drugs, serums, hormones, and other substances on tissues and vital processes of living organisms.

