Background Requirements For A Career In Biotechnology

By John Daye

If you're seeking a career in biotechnology, one thing is for certain ... the more education you have,

the higher up you can go. The fact is, no matter where you wind up working, you will be surrounded by people with Ph.D.'s and medical degrees. It is highly unlikely that an individual without an advanced degree such as these will get to the top of the corporate chain.

Therefore a bachelor's degree in the life sciences is a bare minimum. After that, it is recommended that you pursue an advanced degree; whether it be a master's degree or higher. Common degrees include; molecular biology, cell physiology, biochemistry, genetics and the like.

You should plan to take as many labs in college as possible as these will provide you with hands−on experience. Teaching as a student−teacher is also a wise move, as is becoming a part of a research project. It is possible to co−author a quality research paper before you ever even graduate with a bachelor's degree.

Biotechnologists frequently gain employment for biotech corporations. Over the last two decades, thousands of biotech corporations have sprung up around the globe. From start−ups to companies the size of Amgen, the choices range from pay to research to prestige.

Employment in the biotech industry may also be sought in academic institutes; such as universities and non−profit organizations. These typically pay less than biotech corporations, but may have more opportunities for independent research.

As a biotechnologist, you will spend most of your work hours in a laboratory. The work can be tedious and requires patience, but many truly enjoy working with their hands. You will design and carry out experiments and will need to keep good records.

The best biotechnologists enjoy innovation and the spirit of helping to advance society. If you choose biotechnology as a career, you can expect to be right on the cutting edge of technology.

To learn more about a career in the biotech industry, please visit

http://www.biotechcareernews.com

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Profile Of A Biotech Career

By John Daye

Biotechnology is defined as the manipulation of organisms to do practical things and provide useful products. A career in biotechnology is possible for those with a Bachelor's, Master's or PhD. While most biotechnologists deal with living organisms, there are a few areas of biotechnology that do not, such as the field of studying radioactive tracers.

Earnings as a biotechnologist can run from $30,000 all the way up to 6−figures for the more prestigious positions which will likely require a Ph.D. and many years of experience. Although this is quite a range, the mid−salary is $50,000−60,000 for a corporate position. Let's delve into the exciting rewards this career choice has to offer.

Challenging Work

Some biotechnologists study medical processes. Job functions in this area include the designing of organisms in order to result in antibiotics and the engineering of genetic cures via genomic manipulation. Other biotechnologists deal with industrial processes. Job functions in this area would cover the designing of an organism that results in useful chemicals. Still other biotechnologists deal with agricultural processes, i.e. the designing of transgenic plants, and enabling them to grow under certain environmental conditions.

Other work in biotechnology includes bioinformatics or computational biology. The focus in these fields is on solving biological problems using computational techniques. This work includes many different areas: functional and structural genomics, proteomics, and components in the biotechnology and pharmaceutical sector.

Career Tidbits

If you are considering biotechnology as a career, please review the following list of general career tidbits:

− Biotechnologists generally work 40 hours per week, but may be asked to work more based on the particular experiments currently running. Their daily tasks most often involve working in a laboratory.

− Biotechnology breakthroughs have occurred in new medical therapies. For example, enhanced treatment of Hepatitis B, Hepatitis C, Diabetes, Cancers, Multiple Sclerosis, Arthritis, Hemophilia, and Bone Fractures have all been made possible via biotechnology.

− Biotechnology−related products have reached sales over $500 billion per year and experienced a

growth rate of 24% since the beginning of this century.

− Currently, job openings for biotechnologists are predicted to climb at a faster than average rate until 2014. than now!

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today and check into

biotech career opportunities. Plant seeds of your own in the biotechnology field!