







This reference guide highlights the careers support provided by the Royal Society of Biology and Biochemical Society.

Clickable URL links appear as <u>www.domain.com</u>

You can find out more about the **Royal Society of Biology** at www.rsb.org.uk











We would like to thank the **Biochemical Society** for their generous support for this project, which has allowed us to produce this Initial Teacher Education resource.

This is part of a collection of new careers resources which help teachers highlight to their students future careers and the opportunities of studying bioscience subjects beyond school, such as biochemistry.









Careers



Biochemists study the chemical processes that happen in living organisms.

Job titles you might see for biochemists:

- Biotechnologist
- Cosmetic scientist
- Food technologist
- Government adviser
- Clinical biochemist

- Lawyer
- Pharmacologist
- Publisher
- University researcher
- Sales representative



Careers



What biochemists might have studied:

- Biochemistry
- Biomedical science
- Biotechnology
- Cell biology
- Genetics

- Immunology
- Molecular biology
- Neurobiology
- Pathology
- Pharmacology



Careers



What skills biochemists might have developed:

- Analytical skills
- Creative thinking
- Experience of writing reports
- IT skills
- Leadership
- Numeracy and maths
- Observational skills

- Planning
- Presentation skills
- Problem solving
- Scientific techniques
- Self-motivation
- Team working
- Time management



Make a Difference



Posters and a website highlighting career paths biologists can take:



www.rsb.org.uk/make-a-difference

Spotlight on the Life Sciences



A guide to biology careers which includes interviews with biologists:





The study of thechemical processes that govern how living organisms work



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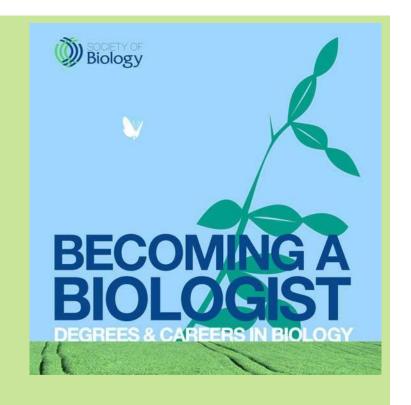
www.rsb.org.uk/spotlight

Becoming a Biologist



Includes information on:

- Biology degrees and alternatives
- Applying to university
- Getting work experience



www.rsb.org.uk/becoming-a-biologist

Further support from the Royal Society of Biology

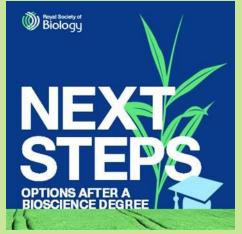


Careers information and guidance resources all available online via:

www.rsb.org.uk/careers





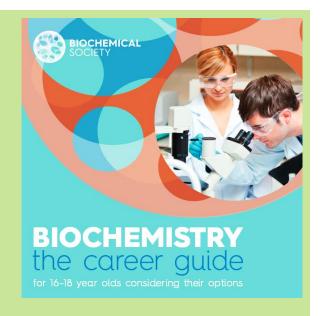


Biochemistry: the career guide



Includes information on:

- Biochemistry courses and their content
- Careers options
- Biochemist careers profiles



<u>www.biochemistry.org/Portals/0/Education/Docs/Biochem</u> <u>Booklet_web%20NEW.pdf</u>



Careers profiles



Profiles of people working in a variety of biochemistry-related jobs:



gave me an exight into what a research based career in a lab might be like. What did you enjoy most about

your degree? It was what converge out my research project of unevesty that I ready hall in love with the converge of unevesty that I ready hall in love with the converge of understy weren't always a travel of the converge of the converge

What are the main duties of your

current role?

My main duff as a research scientist is to undertake newl research. Most of my time is spent carrying out experiments in the lab. I record the number of action potentials for signals firing from joint nerve littless in

country, so I looked around for scientific labs that I would like to work in I found a lab in

Calgary Canada, that worked on joint pain.

many new techniques for research. I met the

head of the lab at a conference and together we arranged a job for me in the lab, where i

a qualification taken after your first degree that can be gained in numerous subjects. It is the highest level of degree, and normally takes 3-4 years to obtain. Once you gain a PhD, you are called a Doctor of your chosen subject

the study of how drugs affect the human body

response to different drugs. If there analysis my data and vibrace the results. Analysish my pacifical work, I regularly present my nesemble of terminals and conferences, and I feach university shadnets in smaller groups. I also write reports about my research for publication in scientific pursuits and sports first publication of sports there resulting other scientific. Electrifice to keep up to date with progress in my field.

Why was your degree useful to you?

My undergodader despres gave me or shring bedogened in all owns of helogodic science, which has helped me during my PhD and my unreal p.D. Science nesearch often medies worsing with lost of different fearms of people. In cost, understanding of our the prostate or cost, understanding of our the prostate or cost, understanding of our the prostate when publishing meshich, as you need many officers in place of the prostate when publishing meshich, as you need many officers in place of the prostate purpose work.

What are the best bits about your job?

I lave that as a research scientist i can worth pretty much argowhere in the world, as sacraftle research happers on an international level. Investing to scientific conferences is another hape bonus witch has allowed me to make friends in many different countries.

And the worst bits?

Contacts for jobs after a 19th are assatily tally short fact to 5 years), which means you need to apply for a new job every few year flowever, this does give you an apportunity to move around, see new places and meet new people. Also, experimental work in the lab can be quite repetitive at times, a but it is definitely worth it when you get a becalthrough in your results. Plus there are so many other aspects of the job (writing, making presentations etc.), so you never spend all your time at the lab bench.

FURTHER INFORMATION

Information about PhD's (Prospects): www.prospects.ac.uk/postgraduate_Career ideas (Prospects):

ww.prospects.ac.uk/options_biology_ reer_areas.htm

www.blochemistry.org/careers
General science careers information
www.futuremorph.org

WHAT IS BIOCHEMISTRY ?

Biochemistry is the branch of science that explores the chemical processes that take place inside all living things from bacterio to plants and onlinels. It is a laboratorybased science that brings together biology and chemistry by using chemical knowledge and techniques to help understand and solve biological problems.

For more information visit www.blochemistry.org/carea

For more information visit www.biochemistry.org/careers



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www.biochemistry.org/Education/Schoolsandcolleges/Careerprofiles.aspx



BioPathways



A website of short video interviews of people who have studied bioscience degrees:



www.youtube.com/user/BioPathways



Biochemistry:The Molecules of Life



A free online course which introduces biochemistry, including career opportunities:



www.futurelearn.com/courses/biochemistry



Further support from the Biochemical Society



Careers information and guidance resources all available online via:

www.biochemistry.org/education/schoolsandcolleges.aspx

