

What can I do with a major in Cellular Biology

The University of Georgia Career Center

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This information describes typical occupations and employment settings associated with this major. Understand that some of these options may require additional training. Moreover, you are not limited to these options when choosing a possible career path.

Description of Cell Biology

Cell biologists are scientists who try to understand how cells function and interact at the molecular level and extrapolate this knowledge to explain the biology of whole organisms. The major is built on a curriculum of didactic and laboratory classes. These courses provide a solid grounding in general molecular biology as well as deeper insights into cell and developmental biology, infection and immunity, and the molecular mechanisms of disease. Rooted in basic science Cellular Biology classes often explore important new discoveries and concepts in medicine, biotechnology and veterinary sciences. Approximately half of the Cellular Biology majors are members of a laboratory and conduct their own research. They work side by side with faculty, graduate students and research fellows from all over the world. Cellular Biology students make important discoveries and present their research at regional and national conferences and publish in international science journals. Undergraduate research is an exciting way to learn and understand science first hand and an important asset for application to graduate or medical school. A bachelor's degree in Cellular Biology prepares students for entry into graduate programs in cell and molecular biology, genetics and biochemistry as well as other areas of modern biology. Cellular Biology majors are also well prepared to enter medical, veterinary, or pharmacy school. Other students may enter a professional career immediately after graduation working as laboratory technicians in the biotechnology industry or in Academia. In addition, other Cellular Biology graduates may pursue careers in teaching, forensic biology, technical writing, sales, or product development for the pharmaceutical industry.

Researching Job Titles and Careers

O*NET <http://online.onetcenter.org> (click on Find Occupations)

Occupational Outlook Handbook <http://www.bls.gov/oco> (type in general term for career of interest)

Georgia Career Information Center <http://www.gcic.peachnet.edu> (accessible only on campus computers)

Career Insider: Vault Guides http://career.uga.edu/resources/online_resources (Under the "Resources" tab and select "Online Resources")

Candid Career http://career.uga.edu/resources/online_resources (View professionals speaking about their careers under the "Resources" tab and select "Online Resources")

Possible Job Titles

Cell Culture Specialist	Laboratory Supervisor	Pharmacologist
Bacteriologist	Crime Lab Analyst	Parasitologist
Environ. Impact Analyst	Medical Equipment Sales Rep.	Pharmaceutical Sales Rep.
Analytical Chemist	Medical Investigator	Physician Asst.
Biochemist	Medical Doctor/Nurse	Public Health Specialist
Infectious Disease Specialist	Cytotechnologist	Research Coordinator
Clinical Pathologist	Field Study Coordinator	Research Immunologist
Clinical Research Coordinator	Medical or Science Librarian	R&D Manager
Clinical Quality Auditor	Forensic Scientist	Toxicologist
Industrial Hygienist	Medical or Science Writer	Environmental Scientist

Possible Employers

Emory University Hospital	Cryolife	Merieux Laboratories Inc.
BioLab	Joseph W Jones Ecological	National Institute of Health
EPA	Danakllon American Inc.	Neural Signals, Inc.
Biotechnology Firms	Katholieke Universiteit Leuven	New England Medical Center
Food and Drug Administration	Dept of Natural Resources	Ocean Aquariums
CDCGA Bureau of Investigation	Medical Laboratories	ORISE/CDC
Center of Limnology	Diagnostic testing companies	Pharmaceutical companies

To learn what types of positions and companies UGA students are working with, see the UGA Career Center Post Graduation Survey at www.career.uga.edu/gradsurveyresults/ and search for alumni on Linked In at www.linkedin.com.

Campus Resources

Alpha Epsilon Delta Premedical Honors Society– <http://www.uga.edu/aed/>
American Medical Student Association (AMSA) - <http://www.ugaamsa.org>
Pre-Nursing Club
Pre-Veterinary Medicine Club
Pre-Physician Assistant Club
Pre-Pharmacy Society

To find additional clubs and organizations, go to the **Center for Student Organizations at-** <http://stuorgs.uga.edu/find/index.html>
Connect with your **Career Consultant** <http://career.uga.edu/contact#careerconsultants>

Employment Websites

GENERAL:

CareerSearch http://career.uga.edu/resources/online_resources (Research employers by location and/or industry)
DAWGlink www.career.uga.edu/ (login with your UGA MyID and password)
GoinGlobal (To access GoinGlobal, login to your DAWGlink account)
Idealist www.idealist.org/ (nonprofit jobs)
USAJobs www.usajobs.gov/ (federal jobs)

MAJOR/CAREER SPECIFIC:

Job Board at The American Society for Cell Biology - <http://jobboard.ascb.org/>
Careers in the Biological Sciences - <http://www.aibs.org/careers/>
Careers, American Institute of Biological Science - <http://www.aibs.org/careers/> /
SCA – Internships; Gap Years (room/board/stipend) - <http://www.thesca.org/serve/internships>
Environmental Jobs & Careers - <http://www.ejobs.org/>

Professional Information Resources

The American Society for Cell Biology - <http://www.ascb.org/>
American Institute of Biological Science - <http://www.aibs.org/careers/>
Institute of Bioinformatics - <http://www.ibioinformatics.org/careers.htm>
Society of Integrative & Comparative Biology - <http://www.sicb.org/careers/index.php3>
The Oceanography Society - http://www.tos.org/resources/job_annnc.html

Tip: Join LinkedIn groups that are related to your career interest. Need help finding groups? Check out the Groups You May Like link under the Interests/Groups tab. Review the groups that professionals in your field of interest have joined and consider joining them as well.

Additional Career Consultant Recommendations:

If you are interested in 1) graduate school or 2) Medical school visit the sites below:

- 1) <http://bit.ly/1c7fd8P>
- 2) <http://bit.ly/1dz52Nt>