Biotech-Careers.org

An online resource for biotechnology career exploration with jobs, articles, employers, and much more
Design and Architecture

Sandra G. Porter, Ph.D. - Microbiology

✓ Vision & Initial Site Design
- 30+ Years Biotech Workforce Education Experience
- 10+ Years Bioinformatics Company Experience
- Built first website in 1994
- Expert blogger, social media maven
- Created iPad app for structural biology (Molecule World)
- PI/Co-PI several ATE Grants

Todd M. Smith, Ph.D - Medicinal Chemistry

✓ Architecture, Design, Support
- 30+ Years Biotech Industry Experience
- Built and Sold a Bioinformatics Company (Geospiza, FinchTV)
- Developing Web Enabled Systems Since 1994
- Co-PI (Antibody Engineers), Mentoring support for Synthetic Biology, Genomics, and Structural biology companies
Mission / Vision

**Mission**
To increase interest in biological science, technology engineering, and math (STEM) by communicating career opportunities and pathways for all individuals with an emphasis on entry level jobs for high-school and two-year college graduates.

**Vision**
To become the go to resource for helping educators and employers increase students’ interest in pursuing careers in science by communicating the diversity of opportunities that exist in the biotechnology industry.

**Biotech-Careers.org provides:**
- Industry-related job descriptions, blogs, and videos along with internship & job postings
- Day-in-the-life interviews with technicians working in the industry
- The largest freely available directory of biotech employers, organized by a rich vocabulary of terms that define the kinds of science and work taking place in this exciting industry
Overview

Career Information Resource

- Began in 2012
- Provides, biotech career & industry information
- Includes education materials, job search capabilities & an extensive employer database
- Emphasizes entry level job information and technical careers for students and job seekers
- Used widely in schools, by industry professionals, and the biotech curious

Learn about the industry
A comprehensive biotech company directory demonstrates the industry's breadth and depth.

Resources for Students and Job Seekers

What is biotech?
Learn about people working in biotech
Explore the world of biotech careers
See where biotech employers are located
How to use this site and build your career
Find a job

Teacher Resources
Overview video
Career education resources
Teaching activities

Employer Resources
Learn about our mission
Promote your organization
Add an employer

Sponsors
Biotech-careers.org
Bioproduction Biotechnology for Industry and Education
Digital World Biology, LLC

Featured Jobs
View all jobs
Neurology Postdoctoral Associate
CK Group: Milwaukee, WI
Research Associate/Associate Scientist
Adcentrx Therapeutics: San Diego, CA
Scientist/Associate Scientist
Adcentrx Therapeutics: San Diego, CA

Sponsored Events
View all events
Biomedical Emerging Technology Applications (BETA Skills) Professional Development
Wed June 08, 2021 to Wed June 30, 2021

Search for Jobs Sign up for News Follow us on LinkedIn
Site Content

Content is organized / accessed via landing pages
Digital World Biology, LLC

Site Content

Careers in Biotechnology

Biotechnology Career Pathways

In biotechnology, career paths can have many branches. Careers often begin with technical education at two- or four-year colleges. Community colleges prepare students for working in industry by providing hands-on education through associates and bachelors degree programs. These colleges also offer certificates that focus on technical skills. As individuals gain experience, they can advance their careers through promotions, new jobs, or additional education and advanced degrees.

Learn more about biotechnology at Biology Online: Biotechnology. Follow us on LinkedIn.

Page sponsor

Biology

A bioscience industry-recognized credential designed to jumpstart your career. Get credentialed.

Education

Careers begin with education. For some jobs a high school diploma or GED is enough to get started. Many technical positions require either a certificate, associates degree, or bachelors degree. Practical hands-on skills are required and community colleges provide these opportunities.

Entry Level Jobs

Biotechnology careers commonly begin with entry-level technician jobs. 33 examples are described below.

Job Areas

Entry-level jobs are found in multiple segments of the bioscience industry (Job Areas). The Jobs Areas page provides 36 examples.

Biotechnology Job Descriptions

Select a Job Area

View all jobs

Agricultural and Food Science Technician

Animal Technician

Biofuel Technician
Site Content
Site Content
Site Content

Biotech Company and Employer Location Maps

Biotechnology is a worldwide business. The Biotech-Careers biotechnology, pharma, and medical device company directory has 8,407 potential employers engaged in 533 business activities that are located in 11,758 sites throughout the world. Use the maps below to view biotech employer locations in specific states, the United States or the world.

Mouse over and click on a state to view the employers in that state.

Click the image or view the data as a table organized by state.

Click the image or view the data as a table organized by country.

You can also view the employers organized as a table listing each employer and its number of locations.

View Biotech Employers Organized by Business Areas

<table>
<thead>
<tr>
<th>Business Area</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomedical Devices</td>
<td>1,273</td>
</tr>
<tr>
<td>Immunology Companies</td>
<td>1,466</td>
</tr>
<tr>
<td>Ag Biotech</td>
<td>513</td>
</tr>
<tr>
<td>Genomics Companies</td>
<td>1,611</td>
</tr>
<tr>
<td>Biotech Software</td>
<td>488</td>
</tr>
<tr>
<td>Pharma Related</td>
<td>2,619</td>
</tr>
</tbody>
</table>

Follow us

Sign up for news
Biotechnology Jobs

Working in Biotechnology

Biotech-Careers.org provides three ways to find jobs:
1. Browse Featured Jobs from our sponsors
2. Use databases to Search for Jobs with key words and location
3. View Employer Career & Internship pages

Featured Jobs

- **Neurology Postdoctoral Associate**
  - **CK Group Milwaukee, WI**
  - CK Group’s US Division is working with a client who focuses their research in Neurology. Working towards accelerating ...

- **Research Associate/Associate Scientist**
  - **Adcetris Therapeutics San Diego, CA**
  - We are seeking a highly talented and motivated Research Associate/Associate Scientist to support Adcetris Therapeutics …

- **Biomaterials Technician**
  - **General Technical Services Aberdeen, MD**
  - Job Description/Primary Duties and Res … Biomaterials technician with electrochem …

Use databases

Employer Career Pages

- 4029 items
  - City

Employer Internship Pages

- 101 items
  - City

Employer: 10X Genomics
  - Pleasanton, California - United States

Employer: YCattko
  - Cambridge, Massachusetts - United States

Employer: 1DROP Diagnostics
  - Employer has 2 locations

Employer: Amgen
  - Employer has 2 locations

Employer: Alteryx
  - Employer has 2 locations

Employer: Akera Institute
  - Employer has 2 locations

Employer: Amgen
Site Content
As of 03/21/21

- 33 Career descriptions
- 36 Job Areas
- 47 Blogs / Articles
- 30 Alumni Profiles
- 60 Videos
- 8411 Employers
- 4038 Links to Employer Career Pages, Job Boards, Featured Posts
Site Content

As of 03/21/21

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Over 9000 pages

541 Business Areas
Additional Content

Site footer provides a site map and additional links
How Does It Work

CMS: Content Management System

Drupal™

Happy Birthday, Drupal! In its 20th year, Drupal stands above the rest as the best digital experience platform (DXP) on the web, proudly open source.

With robust content management tools, sophisticated APIs for multichannel publishing, and a track record of continuous innovation—Drupal is ready to stand as the hub of your digital presence.

General Architecture

- Content Types - organize information entities
- Fields - collect specific data in content types
- Taxonomies - organize content by terms
- Views - provide queries

Extended by Modules

- relationships, filters, UI, data export / import

Active open-source development community: modules / security

- Over 1M deployments
- Obama White House
- NSF beta.nsf.gov
- Many Universities
- Major Pharma / Biotech
- 73% of Top Media / News Companies

Common Standards

- PHP / MySQL
Pathways for exploring Biotech-Careers

People

Research Associate

Kevin Hin works as a Research Associate at Acepix Biosciences in Hayward, California. He manages ... Read more

Places

Things

Synthetic biology

Synthetic biology is an area where scientists and technicians engineer bacteria and yeast to improve the production of diverse chemicals...

Learn more
People working in biotechnology

Genomics

Related Articles:

- What’s so hard about making a few billion vaccine doses
- Over 500 Companies work on COVID-19
- SARS-CoV-2 Molecular Tests: From PCR to LAMP with a Death of CRESPR
- What is the best way to test for COVID-19
- Bio Databases 2020: Viruses and COVID-19
- Companies working on COVID-19
- Also work on...

Related Alumni Profiles:

- Undergraduate Researcher
- DNA Sequencing Technician
- Computational Biology - Genomics - Research Associate
- Genomics - Research Associate
- Biotechnology Intern
- Biotechnology Outreach Coordinator

Related Videos:

- On a Path to a Career in the Lab
- PCR and Forensics
- Studying gene expression in cancer
- Uncovering Life in the Lab
Biotech-Careers.org

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Page sponsor

Gateways to professional growth in the bioscience industry. Browse our short courses.

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Agricultural and Food Science Technicians work with agricultural and food scientists to monitor food production and food safety. Learn more

Minimum Education

Animal Technician

Animal technicians take care of the laboratory animals that are used in biotechnology research, veterinary research, and product testing. Learn more

Minimum Education

Biofuel Technician

Biofuel technicians carry out the laboratory work involved in producing biofuels such as ethanol and biodiesel. Learn more

Minimum Education

Biomanufacturing Technician - Downstream

Downstream processes are those in which the products are harvested, tested, purified and packaged. Learn more

Minimum Education

Biomanufacturing Technician - Upstream

Upstream processes are those in which biological materials are either obtained from an outside source or inoculated and grown in culture. Learn more

Minimum Education

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Places

1. Try different titles
2. Try your state
3. Try the other database
Audience

Cumulative Visits by Year

~3.9 million page views
1.8 million visitors
Averaging 40,000+ visits/month

About 25% of visits are from schools

June 2021
Audience

Becoming the “go to” resource

25-30% Education Related

~50% Job Seekers, Company Interest, Biotech Curious

Edu Pattern

Direct

Referrals (LMS)

Company and Biotech Curious Pattern

Organic search

Viewing employer-related pages

Many 100’s of Google searches place Biotech-Careers.org on the first page
Building an Audience

• Time and Repetition
  • Many Many Presentations & Demos
  • Postcards
  • ASBMB (Amer. Soc. for Biochem. & Mol. Biol.) Article

• SEO - Search Engine Optimization
  • Keywords
  • Structured data - Drupal has a module for that
  • Writing styles

• LinkedIn Page
Biotech News Drives Traffic

Alzheimer’s biotech companies #5

https://www.biotech-careers.org > alzheimers

Alzheimer's Companies Worldwide | Biotech Careers

Directory of 35 biotechnology companies engaged in Alzheimer's work.
Sustainability

**Grants**

- Partial support for site building and content production
  - Bio-Link Next Generation National Advanced Technological Education Center for Biotechnology and Life Sciences **DUE 1400721**
  - A Bridge to Bio-Link’s Future **DUE 1764225** (+supplement for Biotech-Careers game)
  - Future: Biotech skills mapping, Career recommendation experience, Games

**Partnerships**

- Project specific capabilities, content, and class experiences
  - Austin Community College Bio-Link Regional Advanced Technological Education Center for Biotechnology and Life Sciences **DUE 1501207**
  - Meeting Industry Demands for an Immunobiotechnology-Capable Workforce through College and Secondary Technician Education **DUE 1700441**
  - Skills for Biomedical Emerging Technology Applications **DUE 18000909**

**Sponsorships**

- Provide increased visibility, support education outreach
  - Advertise events
  - Post jobs
  - Add industry specific content
  - Support alumni profiles

*Benefit: Advertising  
Value: Support education*
Model for Career Sites

Focus on Students and Help Educators

Career Descriptions
What will I do?
What might I earn?
Where can I learn?

Alumni Stories
What do my peers do?
What do they think is important?

Other Content
What’s cool about the industry?
How can the site be used?

Employer Database
Where are the employers?
Do they have career info?
Where do CC grads work?

Job Boards
Who’s hiring?
Thank You

Resources

Websites

• Biotech-Careers.org
• InnovATEBIO.org
• DigitalWorldBiology.com

Teaching with Biotech-Careers.org

• Overview video
• Teaching activities
• Career Advice

Follow us

LinkedIn: Biotech-Careers, https://www.linkedin.com/company/biotech-careers
InnovATEBIO, https://www.linkedin.com/groups/2367759/

Facebook: InnovATEBIO, https://www.facebook.com/groups/biolinkorg

Twitter: @biotech_careers, @bio_link (InnovATEBIO), @digitalbio, @moleculeworld, @finchtalk

Funding

DUE 18000909
DUE 1764225
DUE 1501207
DUE 1400721

National Center for the Biotechnology Workforce
Questions?

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Survey

https://wsu.co1.qualtrics.com/jfe/form/SV_d6BwKv6HqPA4Oai