Career Exploration

October 19, 2017
Webinar will begin at 3pm ET
Webinar Details

- For this webinar you will be in listen only mode using your computer or phone
- Please ask questions via the question window
- This webinar is being recorded – you will be sent a recording link

Brought To You By:

CCTA | CENTERS COLLABORATIVE FOR TECHNICAL ASSISTANCE
With Additional Support by the ATE Collaborative Impact Project

Disclaimer: This material is based upon work supported by the National Science Foundation under Grants # 1205077 and # 1261893. Any opinions, findings and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.
The CCTA IS Led By

- National Center for Convergence Technology (CTC) at Collin College in Frisco, TX (lead)
- South Carolina ATE National Resource Center (SCATE) at Florence Darlington Technical College in Florence, SC
- Florida ATE Center (FLATE) at Hillsborough Community College in Tampa, FL
- Bio-Link Next Generation National ATE Center for Biotechnology and Life Sciences (Bio-Link) at City College of San Francisco in San Francisco, CA
- Networks Resource Center at the Maricopa Community College District in Phoenix, AZ
CCTA Purpose

• Respond to a request from the Department of Labor (DOL) to the NSF to have ATE Centers provide technical assistance services to DOL TAACCCT grantees

• Activities relevant for DOL grants, NSF grants and workforce-oriented programs of all kinds

• Deliverables
  – Topical webinars on existing and new solutions
    • Live/recorded with attendee Q&A
  – Identify and document best practices
  – Host convenings
Poll #1: Your Affiliation

A. I am involved with an NSF grant
B. I am involved with a TAACCCT grant
C. Both
D. Neither
Poll: How many people are listening with you?

A. None
B. 1
C. 2
D. 3 or more
TODAY’S PRESENTERS

Elaine Johnson, PhD
Executive Director & PI,
Bio-Link

Sandra Porter, PhD
Biotech-Careers.org
President
Digital World Biology LLC
Co-PI
Bio-Link & AC2.Bio-Link.org

Michael Lesiecki
Principal Luka Partners LLC
Moderator
Making a conscious effort to include career exploration

How?

• Using resources such as ATE Central
• Links to O*Net and others
• Self Discovery
• Guest speakers from industry
• Industry tours
• Internships
• Exploring Career Opportunities-Dr. Porter
Poll: What is your background?

A. Student
B. High School Teacher
C. Counselor
D. Instructor / Professor 2 yr. college
E. Instructor / Professor 4 yr. college / University
F. Industry
G. Administrator
Poll #4

For those of you who teach, do you or other instructors at your institution, incorporate career exploration in classes?

A. Yes
B. Sometimes
C. Not yet, but maybe in the future
D. Never
Favorite web sites for job info

US Bureau Of Labor Statistics
Biotech-Careers.org
O*NET
ATE TV
What’s important to know when researching careers?

• What do you like to do?
• What do you find interesting?
• What do you value?
• Where do you want to live?
• Where are the jobs? What do they pay?
Computer and Information Technology Occupations

Employment of computer and information technology occupations is projected to grow 12 percent from 2014 to 2024, faster than the average for all occupations. These occupations are expected to add about 488,500 new jobs, from about 3.9 million jobs in 2014 to about 4.4 million jobs from 2014 to 2024, in part due to a greater emphasis on cloud computing, the collection and storage of big data, more everyday items becoming connected to the Internet in what is commonly referred to as the “Internet of things,” and the continued demand for mobile computing.

The median annual wage for computer and information technology occupations was $82,860 in May 2016, which was higher than the median annual wage for all occupations of $37,040.

<table>
<thead>
<tr>
<th>OCCUPATION</th>
<th>JOB SUMMARY</th>
<th>ENTRY-LEVEL EDUCATION</th>
<th>2016 MEDIAN PAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer and Information Research Scientists</td>
<td>Computer and Information research scientists invent and design new approaches to computing technology and find innovative uses for existing technology. They study and solve complex problems in computing for business, medicine, science, and other fields.</td>
<td>Doctoral or professional degree</td>
<td>$111,840</td>
</tr>
<tr>
<td>Computer Network Architects</td>
<td>Computer network architects design and build data communication networks, including local area networks (LANs), wide area networks (WANs), and intranets. These networks range from small connections between two offices to next-generation networking capabilities such as a cloud infrastructure that serves multiple customers.</td>
<td>Bachelor's degree</td>
<td>$101,210</td>
</tr>
<tr>
<td>Computer Programmers</td>
<td>Computer programmers write and test code that allows computer applications and software programs to function properly. They turn the program designs created by software developers and engineers into instructions that a computer can follow.</td>
<td>Bachelor's degree</td>
<td>$79,840</td>
</tr>
<tr>
<td>Computer Support Specialists</td>
<td>Computer support specialists provide help and advice to people and organizations using computer software or equipment. Some, called computer network support specialists, support information technology (IT) employees within their organization. Others, called computer user support specialists, assist non-IT users who are having computer problems.</td>
<td>See How to Become One</td>
<td>$52,160</td>
</tr>
<tr>
<td>Computer Systems Analysts</td>
<td>Computer systems analysts study an organization’s current computer systems and procedures and design information systems solutions to help the organization operate more efficiently and effectively. They bring business and information technology (IT) together by understanding the needs and limitations of both.</td>
<td>Bachelor's degree</td>
<td>$87,220</td>
</tr>
</tbody>
</table>
## Computer Systems Analysts

### Summary

**Quick Facts: Computer Systems Analysts**

| 2016 Median Pay | $87,220 per year  
|                 | $41.93 per hour  
| Typical Entry-Level Education | Bachelor's degree  
| Work Experience in a Related Occupation | None  
| On-the-job Training | None  
| Number of Jobs, 2014 | 567,800  
| Job Outlook, 2014-24 | 21% (Much faster than average)  
| Employment Change, 2014-24 | 118,600  

**What Computer Systems Analysts Do**

Computer systems analysts study an organization's current computer systems and procedures and design information systems solutions to help the organization operate more efficiently and effectively. They bring business and information technology (IT) together by understanding the needs and limitations of both.

**Work Environment**

Most computer systems analysts work full time. About 1 in 5 worked more than 40 hours per week in 2014.

**How to Become a Computer Systems Analyst**

A bachelor's degree in a computer or information science field is common, although not always a requirement. Some firms hire analysts with business or liberal arts degrees who have skills in information technology or computer programming.

**Pay**

The median annual wage for computer systems analysts was $87,220 in May 2016.

**Job Outlook**

Employment of computer systems analysts is projected to grow 21 percent from 2014 to 2024, much faster than the average for all occupations. Growth in cloud computing, cybersecurity, and mobile networks will increase demand for these workers.
Occupational Outlook Handbook

Employment of computer systems analysts, by state, May 2016

Annual mean wage of computer systems analysts, by state, May 2016

#people employed in this field

#mean salary
Occupational Outlook Handbook

Production Occupations

Production occupations are one of two major occupational groups that is projected to decline. Employment is projected to decline 3 percent, with a loss of about 282,100 jobs from 2014 to 2024. Technological advancements are replacing many of the manufacturing workers that make up a large share of the production occupations. Fewer workers are needed in the manufacturing sector as many processes have become computer-controlled.

The median annual wage for production occupations was $33,130 in May 2016, which was lower than the median annual wage for all occupations of $37,040.

<table>
<thead>
<tr>
<th>OCCUPATION</th>
<th>JOB SUMMARY</th>
<th>ENTRY-LEVEL EDUCATION</th>
<th>2016 MEDIAN PAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assemblers and Fabricators</td>
<td>Assemblers and fabricators assemble finished products and the parts that go into them. They use tools, machines, and their hands to make engines, computers, aircraft, ships, boats, toys, electronic devices, control panels, and more.</td>
<td>High school diploma or equivalent</td>
<td>$30,930</td>
</tr>
<tr>
<td>Bakers</td>
<td>Bakers mix ingredients according to recipes to make breads, pastries, and other baked goods.</td>
<td>No formal educational credential</td>
<td>$25,090</td>
</tr>
<tr>
<td>Butchers</td>
<td>Butchers cut, trim, and package meat for retail sale.</td>
<td>No formal educational credential</td>
<td>$29,870</td>
</tr>
<tr>
<td>Dental and Ophthalmic Laboratory Technicians and Medical Appliance Technicians</td>
<td>Dental and ophthalmic laboratory technicians and medical appliance technicians construct, fit, or repair appliances and devices, including dentures, eyeglasses, and prosthetics.</td>
<td>High school diploma or equivalent</td>
<td>$34,630</td>
</tr>
<tr>
<td>Food and Tobacco Processing Workers</td>
<td>Food and tobacco processing workers operate equipment that mixes, cooks, or processes ingredients used in the manufacture of food and tobacco products.</td>
<td>See How to Become One</td>
<td>$27,110</td>
</tr>
</tbody>
</table>
Assemblers and Fabricators

Summary

Quick Facts: Assemblers and Fabricators

<table>
<thead>
<tr>
<th>Factor</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016 Median Pay</td>
<td>$30,930 per year $14.87 per hour</td>
</tr>
<tr>
<td>Typical Entry-Level Education</td>
<td>High school diploma or equivalent</td>
</tr>
<tr>
<td>Work Experience in a Related Occupation</td>
<td>None</td>
</tr>
<tr>
<td>On-the-job Training</td>
<td>Moderate-term on-the-job training</td>
</tr>
<tr>
<td>Number of Jobs, 2014</td>
<td>1,834,000</td>
</tr>
<tr>
<td>Job Outlook, 2014-24</td>
<td>-1% (Little or no change)</td>
</tr>
<tr>
<td>Employment Change, 2014-24</td>
<td>-9,700</td>
</tr>
</tbody>
</table>

What Assemblers and Fabricators Do

Assemblers and fabricators assemble finished products and the parts that go into them. They use tools, machines, and their hands to make engines, computers, aircraft, ships, boats, toys, electronic devices, control panels, and more.

Work Environment

Most assemblers and fabricators work in manufacturing plants. Some of the work may involve long periods of standing or sitting. Most work full time, and they sometimes work evenings and weekends.

How to Become an Assembler or Fabricator

The education level and qualifications needed to enter these jobs vary depending on the industry and employer. Although a high school diploma is enough for most jobs, experience and additional training is needed for more advanced assembly work.

Pay

The median annual wage for assemblers and fabricators was $30,930 in May 2016.

Job Outlook

Employment of assemblers and fabricators is projected to show little or no change from 2014 to 2024. Qualified applicants, including those with technical vocational training and certification, should have the best job opportunities in the manufacturing sector, particularly in growing, high-technology industries, such as aerospace and electro-medical devices.
Questions?
Biotech-Careers.org

- Blog articles
- Careers by title
- Careers by job
- Database > 8000 companies
- Internship info
- Maps
- Photo diaries – student interviews
- Videos
- Terminology games
- Search by company, salary, education, term
Bio-Link.org

- National Advanced Technology Center of Excellence in biotechnology
- Funding from the National Science Foundation ATE program, DUE 1400721
What’s important to know when researching careers?

• What do you like to do?
• What do you find interesting?
• What do you value?
• Where do you want to live?
• Where are the jobs? What do they pay?
# Bio-Link Alumni

**What is it like to work in a biotechnology lab?**

We interviewed community college grads to learn more about their work and hear about a typical day on the job.

If you graduated from a community college biotech program, we'd love to hear from you, too! [Contact us](#) to share your story!

<table>
<thead>
<tr>
<th>Job area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analyst I                            Biotechnology, Molecular biology</td>
</tr>
<tr>
<td>Biotechnology Intern                  Cell culture, Genomics, Molecular biology</td>
</tr>
<tr>
<td>Biotechnology Outreach Coordinator    Education, Genomics, Molecular biology</td>
</tr>
<tr>
<td>DNA Sequencing Technician             Genomics, Molecular biology</td>
</tr>
<tr>
<td>Instructional Bioscience Outreach     Biotechnology, Education</td>
</tr>
</tbody>
</table>

| Analyst I  | Ashrita Simhadri has been working as an intern at Genotox Laboratories. We asked Ashrita some questions about her work and her training.... |
| Biotechnology Intern | Austin Storck has been working as an intern at Mirius Bio LLC. We asked Austin some questions about his work and his training. |
| Biotechnology Outreach Coordinator | Kasey Shuster is the Biotechnology Outreach Coordinator at Salt Lake Community College, Salt Lake City, Utah. We asked Kasey a few questions about... |
| DNA Sequencing Technician | Cagney Goerner has been working as a sequencing technician at the University of Kentucky Advanced Genetic Technologies Center (AGTC). We asked... |
| Instructional Bioscience Outreach Representative | Mona Easterling is a professor and outreach planner. She completed the biotechnology program at Tulsa Community College. In addition, she holds an... |
Bio-Link Alumni

DNA Sequencing Technician
Preparing samples for PCR; which includes adding lysis buffer to pellets

Lab Technician

Lab Supervisor - Cell Culture
Always adding lysis buffer

Instructional Bioscience Outreach Representative

Senior Research Associate in Molecular Biology
Presenting at CCURI

Wastewater analyst
Injecting a mouse

Managing lab work on the computer
Cagney Coomer has been working as a sequencing technician at the University of Kentucky Advanced Genetic Technologies Center (AGTC). We asked Cagney about her work and her training.

**What biotechnology program did you attend?**

Biotechnology at Bluegrass Community and Technical College, Bluegrass, KY. Before attending BCTC, I completed a dual major B.S. in biology and chemistry at Virginia State University.

**What degree/certificate are you working towards?**

The A.A.S. in Biotechnology and the Advanced Biotech Certificate.

**What do you do for your job?**

I prepare samples for sanger sequencing and load the samples onto the sequencer. Sometimes preparing the samples means running a PCR, doing a plasmid extraction, or just resuspending the Sample in HIDI. I also troubleshoot and try to figure out why certain samples do not get good sequences, whether it be equipment failure, PCR failure or template problems.

**What are some techniques that you commonly use?**

- PCR
- PCR purification
- Plasmid DNA purification
- Autoclaving
- Agarose gel electrophoresis
- A variety of Quality Control methods

**Please describe what you do in an average day**

An average day for me means coming to work, maintaining the sequencing instruments (the ABI 3730 and 3730xl). I find out what samples have been submitted for sequencing that day and determine what needs to happen to the samples before they are ready for the sequencer. Then I perform all PCR’s on all samples that need it. I do an ethanol clean up on all samples that have completed the PCR. Finally, I allow the samples to dry before resuspending them in HIDII and placing them on the 3730 or 3730xl.

**What advice would you give someone who is interested in a biotech career?**

Pay close attention to detail, keep a very accurate and detailed lab notebook and most importantly know and fully understand all techniques and methods you use, being able to troubleshoot is a key part in having a biotech career.

**Is there anything you’d like to add?**

Networking is very important. Become familiar with all the biotech companies in your surrounding area, study what they do at their companies and how your skill sets could or would fit in there.

**Degree or certificate:**

- Associates degree
- Bachelor’s degree
ATE TV: 228 videos – students
Job Areas & Careers

Job Areas

Biotechnology careers generally fit into one of the broad areas listed on this page. Click an area to learn more about it and the types of jobs available.

<table>
<thead>
<tr>
<th>Job Area</th>
<th>Description</th>
<th>Read more</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural biotechnology</td>
<td>Biotechnology is used in many ways in agriculture. Agricultural biotechnology companies work to supply farmers with tools to increase the yield of plant and animal products, while lowering the...</td>
<td>Read more</td>
</tr>
<tr>
<td>Animal biotechnology</td>
<td>Animals are used in many ways in biotechnology. The animals in research labs help us better understand biology and serve as biological test systems. Other animals and animal products are used to...</td>
<td>Read more</td>
</tr>
<tr>
<td>Aquaculture</td>
<td>Aquaculture is a term that describes methods for growing fish, plants, and other creatures in freshwater and marine environments. Biotechnology intersects with aquaculture in many ways. ...</td>
<td>Read more</td>
</tr>
<tr>
<td>Biodefense</td>
<td>Biodefense technicians are concerned with protecting air, food, and water from pathogenic microorganisms that could be released by hostile countries or terrorists. Important areas of biodefense...</td>
<td>Read more</td>
</tr>
</tbody>
</table>

Careers

All careers

<table>
<thead>
<tr>
<th>Sort by</th>
<th>Order</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title</td>
<td>Asc</td>
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</table>

Agricultural and Food Science Technician

Agricultural and Food Science Technicians work with agricultural and food scientists to monitor food production and food safety.
Agricultural science technicians typically develop and follow protocols to store crop and animal samples, operate farm equipment and maintain agricultural ... Read more

Animal Technician

Animal technicians take care of the laboratory animals that are used in biotechnology research, veterinary research, and product testing. Laboratory animals play an important role in helping scientists understand how drugs behave in a biological system.
The most commonly used ... Read more

Biofuel Technicians

Biofuel technicians carry out the laboratory work involved in producing biofuels such as ethanol and biodiesel.
Biofuel technicians work with fermenters, distillation, grain preparation, algae culture, oil chemistry, and separations technology.
They can work ... Read more
Exploring Careers

High School

A high school degree.

Animal Technician
Animal technicians take care of the laboratory animals that are used in biotechnology research, veterinary research, and product testing. Laboratory animals play an important role in helping scientists understand how drugs behave in a biological system.

Starting Wage (hourly): $9.50 - $14 per hour
Starting Wage (yearly): $30,000 - $40,000

Animal technicians take care of the laboratory animals that are used in biotechnology research, veterinary research, and product testing. Laboratory animals play an important role in helping scientists understand how drugs behave in a biological system.

The most commonly used animals are mice and rats however; a wide variety of animals can be used. These include birds, fish, frogs, sheep, horses, rabbits, guinea pigs, cattle, cats, hamsters, dogs, and monkeys. Animal technicians often assist scientists with experiments and may have to perform simple medical procedures.

Job Area:
Animal
Biotechnology
Aquaculture
Cosmetics

Hear from the pro's:
Animal Research
Facility Manager
Making vaccines

Greenhouse or Field Technician
These positions are for people who like to work with plants that have been created through genetic engineering.

Glass washer
Glass washers are responsible for washing and cleaning equipment that researchers rely heavily on the sterile laboratory.
Job Forecast

Career Outlook

Salary Outlook

Job Titles (Income Range*)

Salary Range* Based on Certifications

Internships

Find Jobs

Future Trends
Exploring Careers – Hot? Or Not?
Exploring Careers – Hot? Or Not?
Exploring Careers – Hot? Or Not?
Exploring Careers – Hot? Or Not?

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>99%</td>
<td>51-4052.00</td>
<td>Pourers and Casters, Metal</td>
<td>Decline</td>
<td>3,100</td>
</tr>
<tr>
<td>99%</td>
<td>51-6091.00</td>
<td>Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers</td>
<td>Decline</td>
<td>2,100</td>
</tr>
<tr>
<td>99%</td>
<td>51-4071.00</td>
<td>Foundry Mold and Coremakers</td>
<td>Decline</td>
<td>1,800</td>
</tr>
<tr>
<td>99%</td>
<td>51-6061.00</td>
<td>Textile Bleaching and Dyeing Machine Operators and Tenders</td>
<td>Decline</td>
<td>1,200</td>
</tr>
<tr>
<td>99%</td>
<td>51-6042.00</td>
<td>Shoe Machine Operators and Tenders</td>
<td>Decline</td>
<td>400</td>
</tr>
<tr>
<td>99%</td>
<td>51-4011.00</td>
<td>Computer-Controlled Machine Tool Operators, Metal and Plastic</td>
<td>Much faster than average</td>
<td>71,200</td>
</tr>
<tr>
<td>97%</td>
<td>51-8091.00</td>
<td>Chemical Plant and System Operators</td>
<td>Decline</td>
<td>14,400</td>
</tr>
<tr>
<td>97%</td>
<td>51-4034.00</td>
<td>Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic</td>
<td>Decline</td>
<td>10,600</td>
</tr>
<tr>
<td>97%</td>
<td>51-4023.00</td>
<td>Rolling Machine Setters, Operators, and Tenders, Metal and Plastic</td>
<td>Decline</td>
<td>8,300</td>
</tr>
</tbody>
</table>
Exploring Careers – Hot? Or Not?

Summary Report for:
51-4011.00 - Computer-Controlled Machine Tool Operators, Metal and Plastic

Operate computer-controlled machines or robots to perform one or more machine functions on metal or plastic work pieces.

Sample of reported job titles: Brake Press Operator; Computer Numerical Control Lathe Operator (CNC Lathe Operator); Computer Numerical Control Machine Operator (CNC Machine Operator); Computer Numerical Control Machinist (CNC Machinist); Computer Numerical Control Mill Operator (CNC Mill Operator); Computer Numerical Control Operator (CNC Operator); Computer Numerical Control Set-Up and Operator (CNC Set-Up and Operator); Machine Operator; Machine Set-Up, Operator; Machinist.

Tasks

- Measure dimensions of finished workpieces to ensure conformance to specifications, using precision measuring instruments, templates, and fixtures.
- Mount, install, align, and secure tools, attachments, fixtures, and workpieces on machines, using hand tools and precision measuring instruments.
- Stop machines to remove finished workpieces or to change tooling, setup, or workpiece placement, according to required machining sequences.
- Transfer commands from servers to computer numerical control (CNC) modules, using computer network links.
- Check to ensure that workpieces are properly lubricated and cooled during machine operation.

Technology Skills

- Analytical or scientific software — CNC Consulting Machinists’ Calculator; Kentech Trig Calculator
- Computer aided design CAD software — Autodesk AutoCAD; Dassault Systems SOLIDWORKS; KCD; Kentech Kipware Studio
- Computer aided manufacturing CAM software — 1CadCam Unigraphics; CNC Mastercam; SmartCAM; Vero International VISI-Series
- Project management software — Microsoft Project
- Spreadsheet software — Microsoft Excel

Hot Technology — a technology requirement frequently included in employer job postings.
Questions?
What’s important to know when researching careers?

- What do you like to do?
- What do you find interesting?
- What do you value?
- Where do you want to live?
- Where are the jobs? What do they pay?
Navigation at Biotech-Careers.org
Maps

Autoimmunity

15 Organization(s)

Alpine Immune Sciences
Website: Alpine Immune Sciences
Business Area(s): Immunotherapy, Protein Engineering, Cancer Therapeutics, Autoimmunity
Description: The company creates protein-based immunotherapies to treat cancer, autoimmune disorders, and other diseases.

Amgen
Website: Amgen
Business Area(s): Biologics, Cancer Therapeutics

Benaroya Research Institute
Website: Benaroya Research Institute
Business Area(s): Inflammation, Research, Autoimmunity, Immunology
Description: Benaroya Research Institute's mission is to find the causes and cures of autoimmune diseases, including diabetes, lupus, cancer, MS, heart disease and others.

CisThera
Website: CisThera

ImmunoVision (Erba Diagnostics)
Website: ImmunoVision (Erba Diagnostics)
Business Area(s): Autoimmunity
Description: Autoimmune Reagents

Resolve Therapeutics
Website: Resolve Therapeutics
Business Area(s): Biologics, Therapeutic Proteins, Autoimmunity, Antibodies
Description: The company works on technologies to treat lupus and Sjögren's disease by removing inflammatory molecules. Develops Fc-nuclease fusion proteins.

Janus Biotherapeutics
Website: Janus Biotherapeutics
Business Area(s): Autoimmunity
Description: autoimmunity therapeutics

Sorrento Therapeutics
Website:
What’s important to know when researching careers?

• What do you like to do?
• What do you find interesting?
• What do you value?
• Where do you want to live?
• Where are the jobs? What do they pay?
Biotechnology is a worldwide business. The Biotech-Careers database has 5,897 potential employers in a total of 8,129 locations 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.
Locations of US Biotech Employers

Filter by Business Area

By Employer

Hired a Bio-Link student

Reset

Apply

Reset

5556 Biotechnology Employer Locations
View the employers as a table organized by state
View the list of employers as a table organized by employer

View Worldwide Employer Locations
Biotechnology is a worldwide business. The Biotech-Careers database has 5,897 potential employers in a total of 8,129 locations 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.

You can also view the employers organized as a table listing each employer and its number of locations.
Hurricane Damage in Puerto Rico Leads to Fears of Drug Shortages...


Oct 4, 2017 - A factory owned by the pharmaceutical company Mylan, which makes the childhood leukemia drug methotrexate, in Caguas, P.R., is one of 80...
What’s important to know when researching careers?

• What do you like to do?
• What do you find interesting?
• What do you value?
• Where do you want to live?
• Where are the jobs? What do they pay?
What strategies / activities do you use to teach about careers?

Answer in the question area
Who Benefits from Career Exploration in Emerging Technologies?

• Students
• Parents
• Instructors – K-12, community & technical college, university, post-grads
• Counselors
• Mentors
• Industry Workers
• Economic Development Professionals
Questions?
Contacts

• Elaine Johnson, PhD
  ejohnson@biolink.ucsf.edu

• Sandra Porter, PhD
  sandra@digitalworldbiology.com

http://www.atecenters.org/ccta
Join Us – All Webinars 3 pm Eastern

Thursday, November 16, 2017

The Role of Advisor, Counselor, Career Coach
Advisors, counselors and career coaches play important roles for students as they plan for their careers. Lack of accurate information can be costly in dollars and time. Frequently, the academic education does not adequately prepare individuals for jobs that require 21st century skills. This webinar focuses on the roles of professionals who can assist students in making wise decisions as they prepare for technical careers.

Presenters:
Elaine Johnson
PI and Executive Director, Bio-Link

James Lewis
Faculty, City College of San Francisco

John Carrese
Director, San Francisco Bay Center of Excellence of Labor Market Research

For Other Upcoming Webinars See:  http://www.atecenters.org/ccta
Join us in National Harbor!

Innovations Conference March 18-21, 2018 in National Harbor, MD.

CCTA workshop to be held Monday during the conference!

https://www.league.org/inn2018
Join us in Miami!

July 23-26, 2018

www.highimpact-tec.org
Register for HI-TEC and DOL and NSF Workforce Convening

HI-TEC Conference July 23-26 in Miami, FL
www.highimpact-tec.org

Free follow-up DOL and NSF Workforce convening for all TAACCCT grantees, NSF grantees and others who can benefit on Friday, July 27.
Resources

• ATE TV: ATEtv.org
• ATE Central: ATEcentral.net
• Biotech-Careers: Biotech-Careers.org
• Career One Stop: CareerOneStop.org
• O*NET OnLine: ONETonline.org
WEBINAR SURVEY

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