BU's BEST

Biomedical Workforce Data 2018

BU's BEST

Training for tomorrow, today

Labor Insight™

About

Labor Insight™ is software offered by Burning Glass® Technologies. This tool allows educational institutions and others to analyze the job market so as to identify demand for specific jobs as well as the skills and credentials employers are seeking to fill the jobs. The data also enable analysis of regional demand and job trends.   The information allows educational institutions to plan programming to meet employer needs. Moreover, trainees can use the data to identify training opportunities that will best prepare them to achieve their career goals.

Workflow

1. Craft a search based on criteria: industry, job type, required credentials, skill demand, experience, location, etc.

2. View reports: top employers, top job titles, top job skills, education/credentials, job demand maps, job trends, etc.

Notes

All searches were performed such that the reported jobs require or request a PhD.

Caveats & Disclaimers

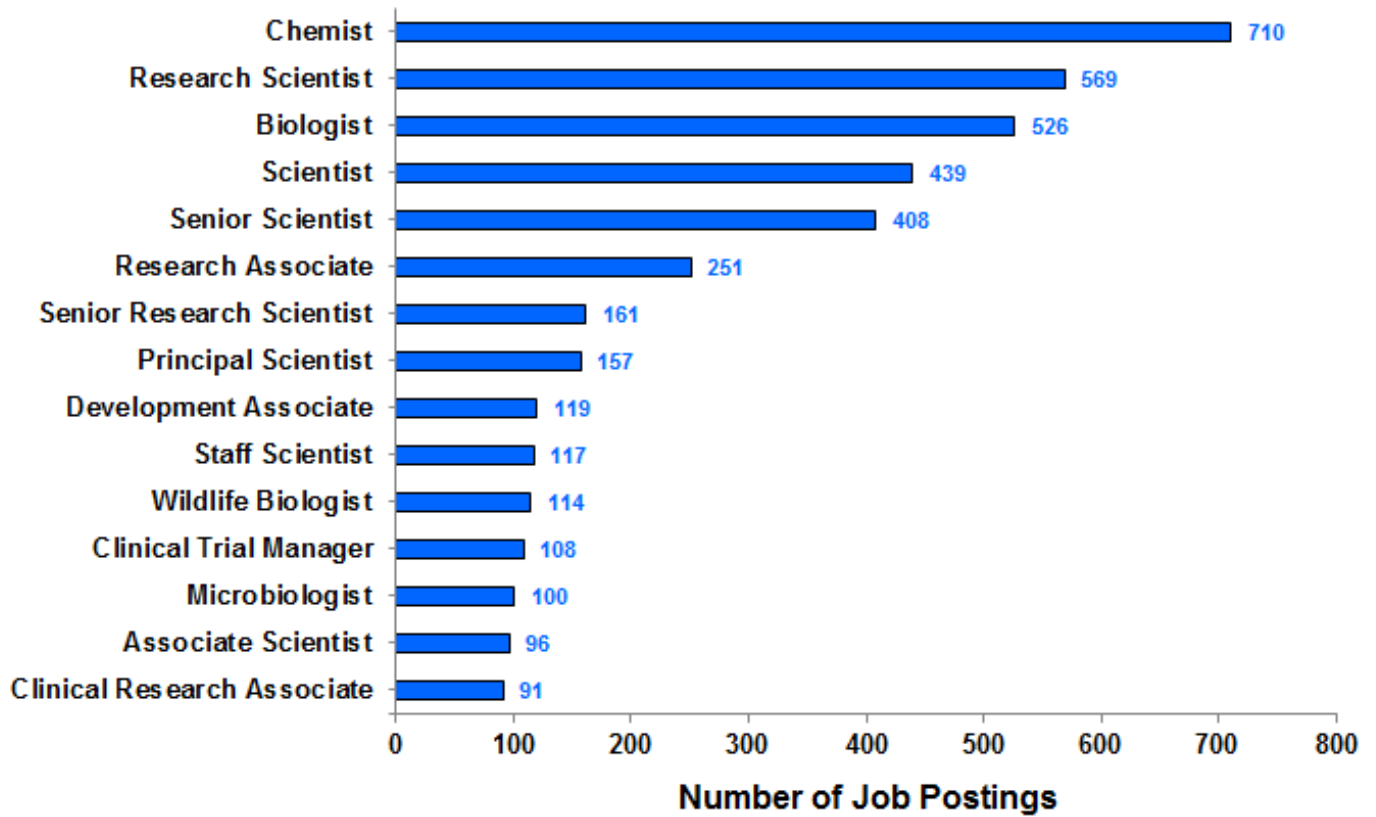Date ranges are January 2018 – December 2018 for job searches.

As the data are generated through job advertisements, small and mid-sized companies hiring small numbers of employees might not be listed in "top employers" but should not be ruled out.
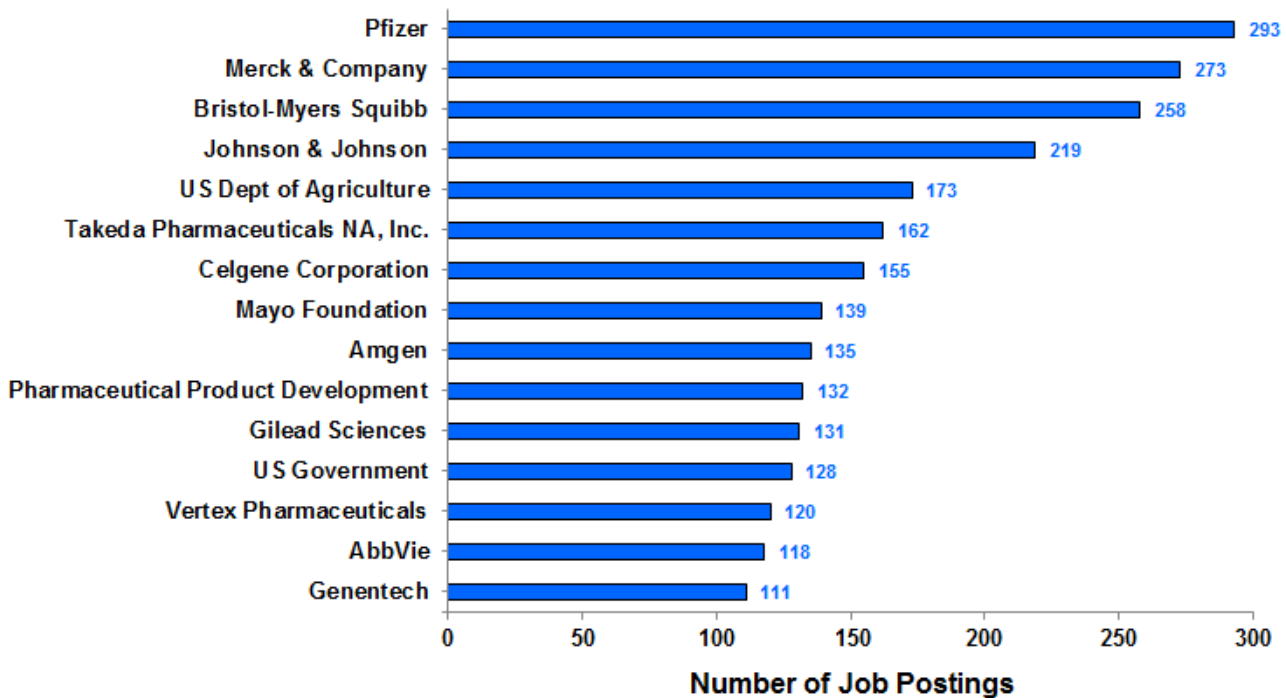
Industry Research

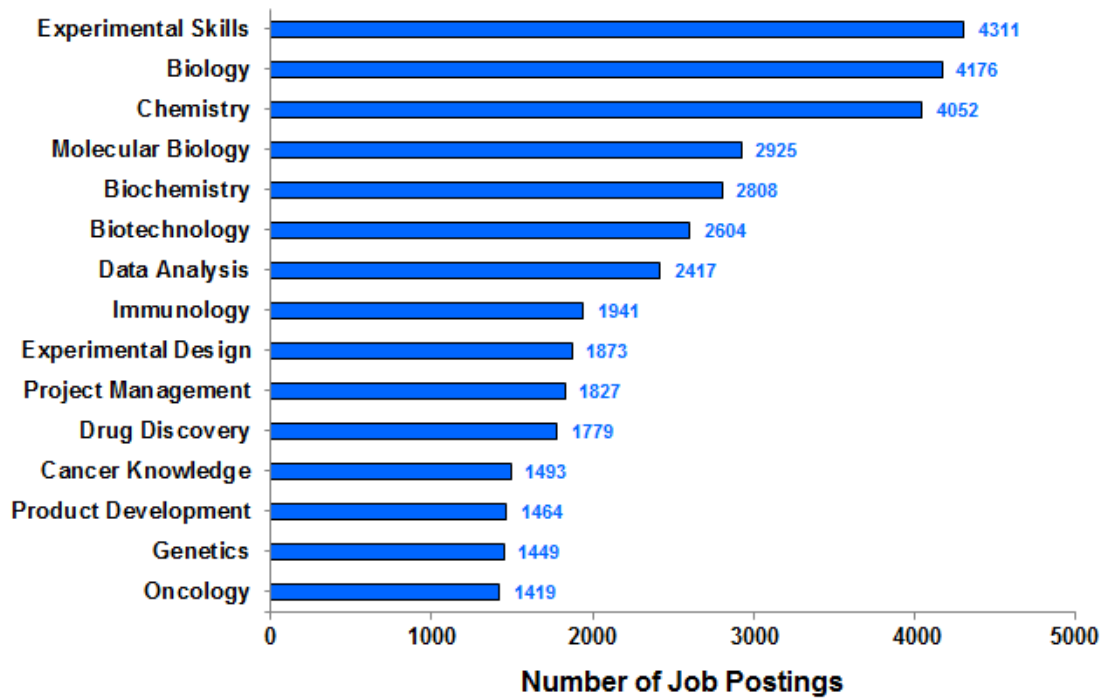# Number of Jobs Postings in Search:

13,371

Top Job Titles: Industry Research

Job Title	Number of Job Postings
Chemist	710
Research Scientist	569
Biologist	526
Scientist	439
Senior Scientist	408
Research Associate	251
Senior Research Scientist	161
Principal Scientist	157
Development Associate	119
Staff Scientist	117
Wildlife Biologist	114
Clinical Trial Manager	108
Microbiologist	100
Associate Scientist	96
Clinical Research Associate	91

Top Employers: Industry Research

Employer	Number of Job Postings
Pfizer	293
Merck & Company	273
Bristol-Myers Squibb	258
Johnson & Johnson	219
US Dept of Agriculture	173
Takeda Pharmaceuticals NA, Inc.	162
Celgene Corporation	155
Mayo Foundation	139
Amgen	135
Pharmaceutical Product Development	132
Gilead Sciences	131
US Government	128
Vertex Pharmaceuticals	120
AbbVie	118
Genentech	111

Specialized (Hard) Skills: Industry Research

Skill	Number of Job Postings
Experimental Skills	4311
Biology	4176
Chemistry	4052
Molecular Biology	2925
Biochemistry	2808
Biotechnology	2604
Data Analysis	2417
Immunology	1941
Experimental Design	1873
Project Management	1827
Drug Discovery	1779
Cancer Knowledge	1493
Product Development	1464
Genetics	1449
Oncology	1419

Baseline (Soft) Skills: Industry Research

Skill	Number of Job Postings
Research	12323
Communication Skills	7137
Teamwork & Collaboration	5241
Writing	3149
Problem Solving	2881
Organizational Skills	2480
Troubleshooting	2323
Creativity	2238
Planning	1934
Detail-Oriented	1738
Presentation Skills	1437
Multitasking	1240
Time Management	917
English Proficiency	890
Computer Literacy	879
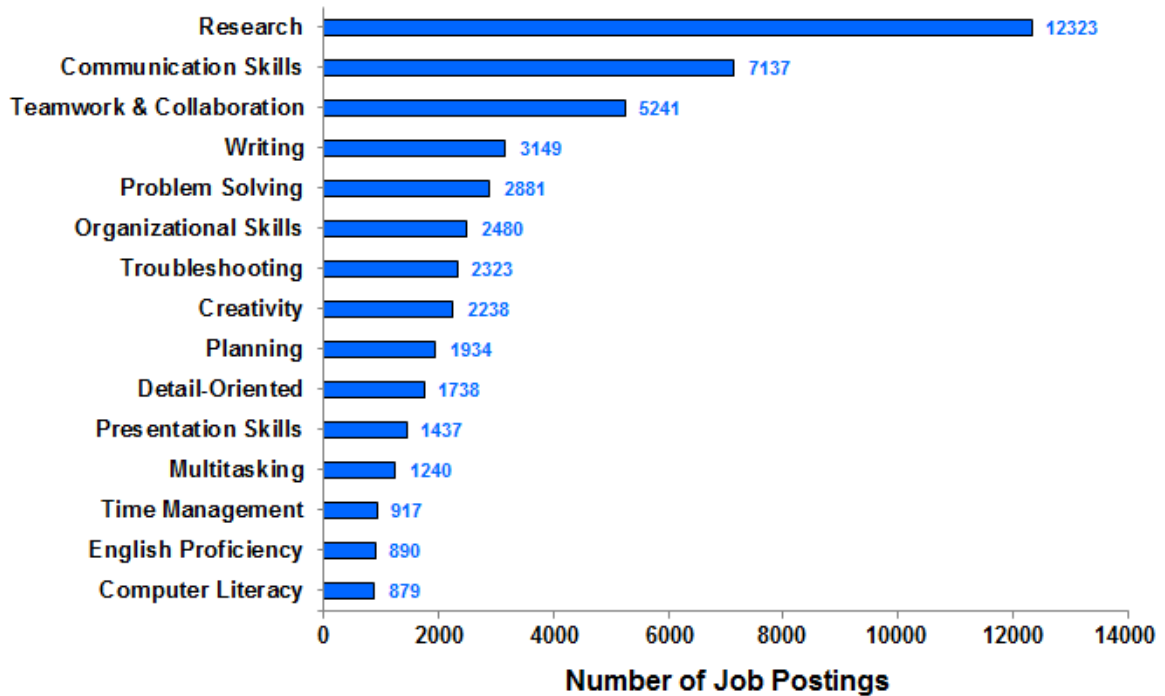
Computer Skills: Industry Research

Skill	Number of Job Postings
Microsoft Excel	1362
Microsoft Office	902
Python	902
Microsoft PowerPoint	875
Microsoft Word	667
SAS	413
MATLAB	408
R	395
C++	280
PERL Scripting Language	252
Linux	227
Java	222
SQL	209
Data Visualization	174
Software Development	163
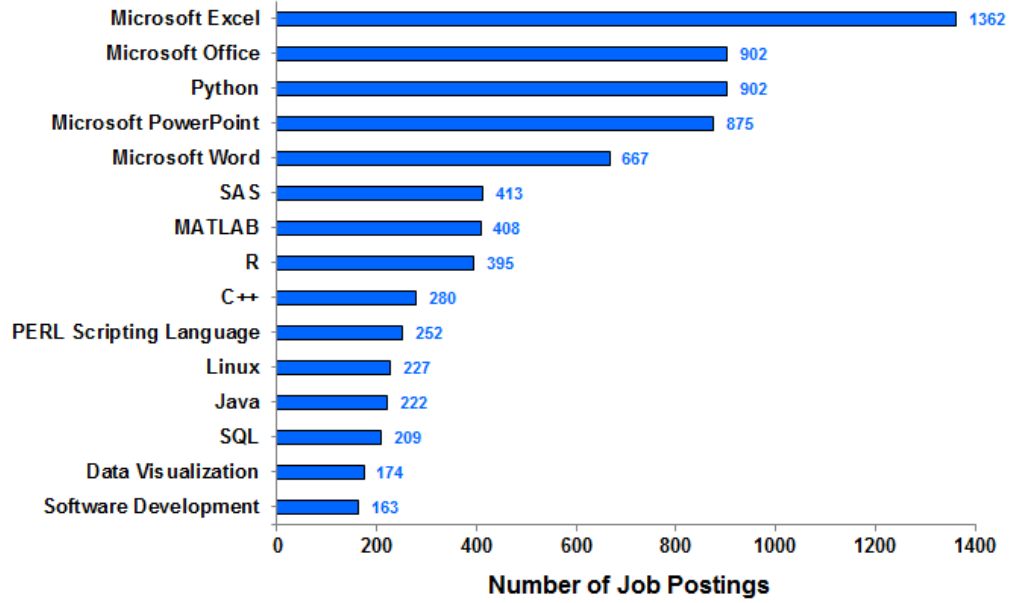
Job Postings by Year: Industry Research
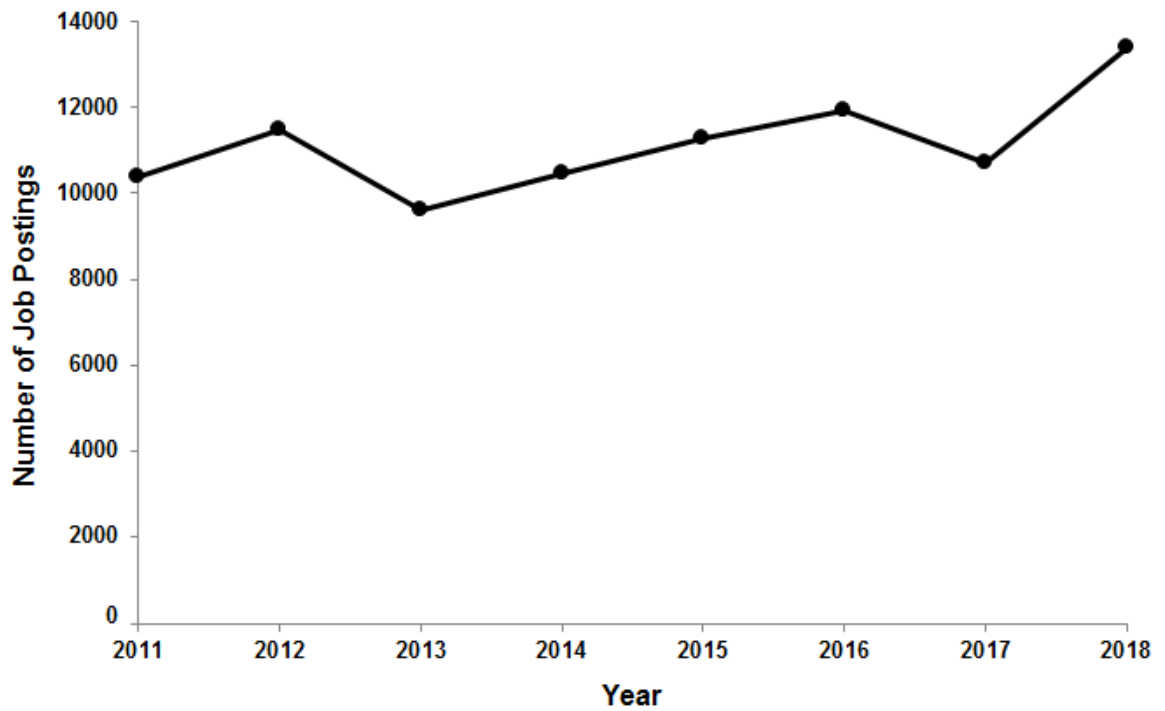
High Demand Areas: Industry Research
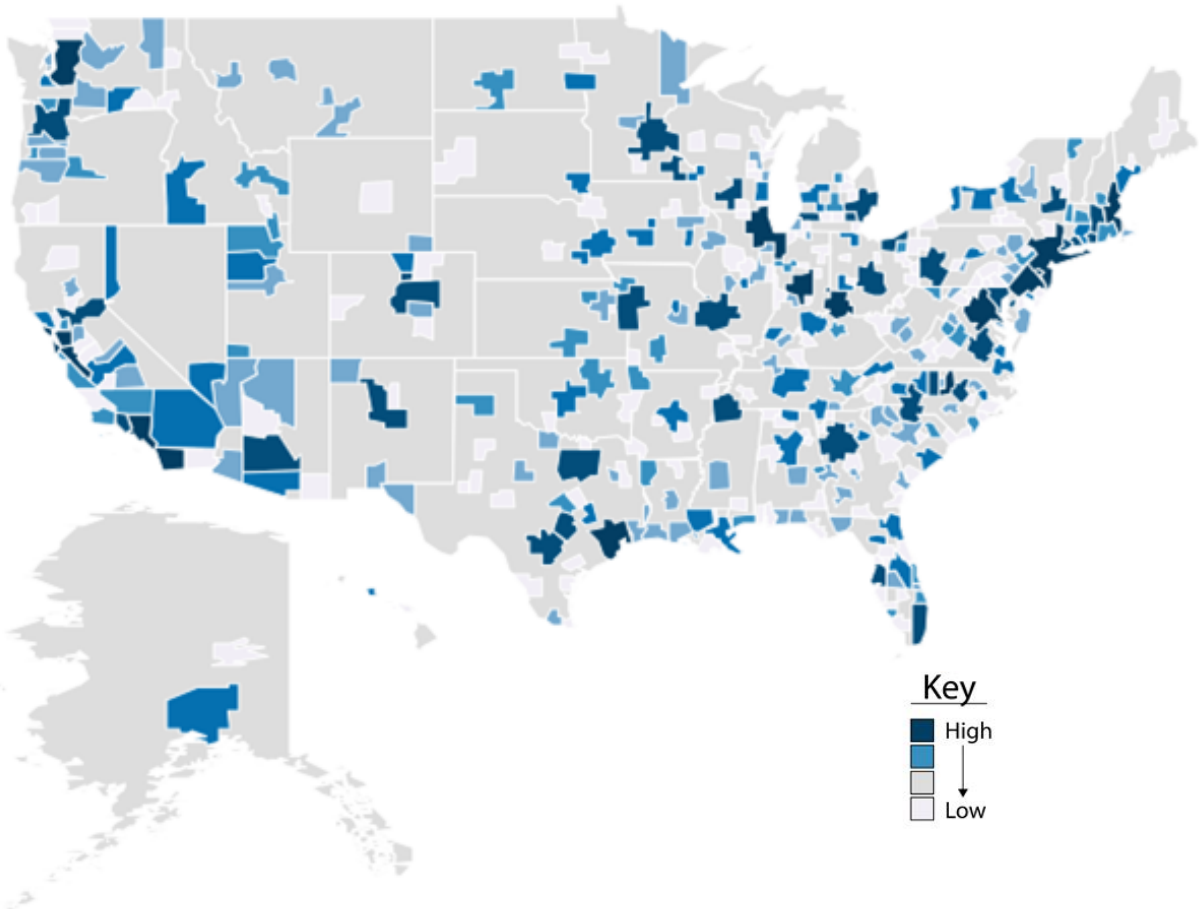
Metro Area	Job Postings
Boston-Cambridge-Nashua, MA-NH	2,164
San Francisco-Oakland-Hayward, CA	1,681
New York-Newark-Jersey City, NY-NJ-PA	1,103
Washington-Arlington-Alexandria, DC-VA-MD-WV	692
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	645
San Diego-Carlsbad, CA	630
Chicago-Naperville-Elgin, IL-IN-WI	382
San Jose-Sunnyvale-Santa Clara, CA	339
Los Angeles-Long Beach-Anaheim, CA	282
Seattle-Tacoma-Bellevue, WA	271
San Diego-Carlsbad, CA	249
Chicago-Naperville-Elgin, IL-IN-WI	214
San Jose-Sunnyvale-Santa Clara, CA	195
Los Angeles-Long Beach-Anaheim, CA	172
Seattle-Tacoma-Bellevue, WA	157