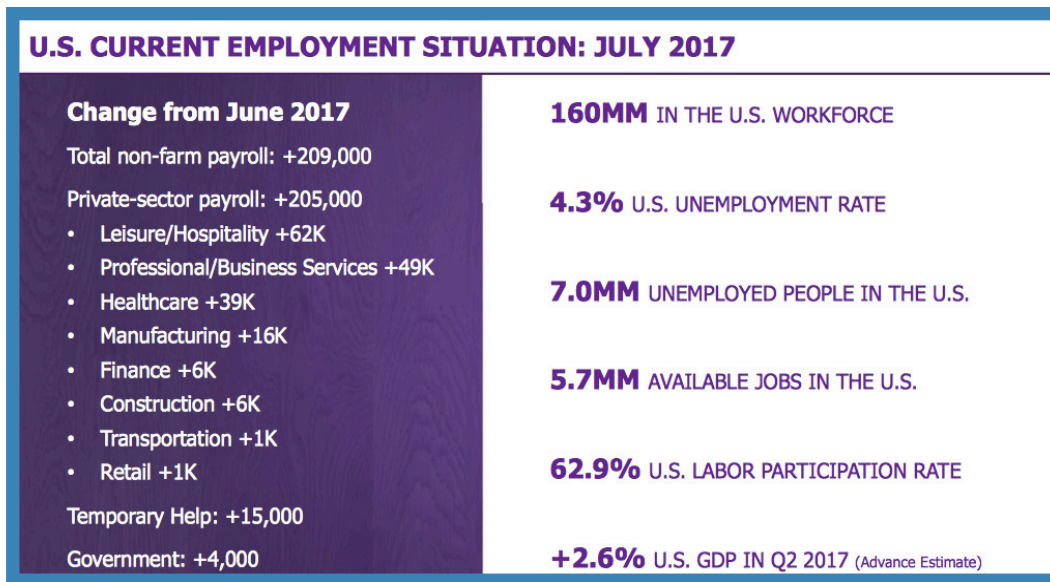


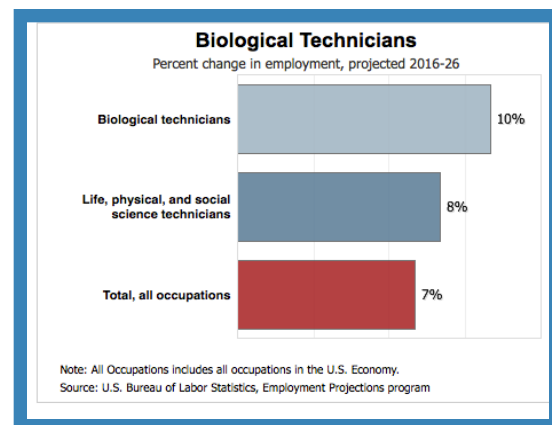
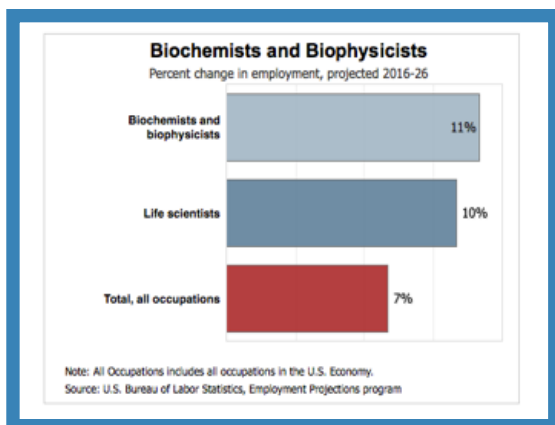
A Guide to Raman Spectroscopy

What Industries Are Growing?

The 2018 unemployment rate is as low as it has been in ten years¹, which means that people are springing to fill open jobs. According to *Monster.com*, a leading job board site, there were over 5 million open jobs in 2017, and 39,000 of them came from the healthcare field². This includes pharmaceutical jobs.



This change is also reflected in government data. According to the Bureau of Labor Statistics, the outlook for medical related careers is undoubtedly promising. The employment rate of medical scientists and biochemists is expected to grow 13% from 2016 to 2026³. Biological technicians will see a growth of 11% within the same time line⁴. Compared with the 7% national average of job growth, the number of these positions are exploding.



A Guide to Raman Spectroscopy

What Do These Jobs Have in Common?

These jobs all use Raman spectroscopy!

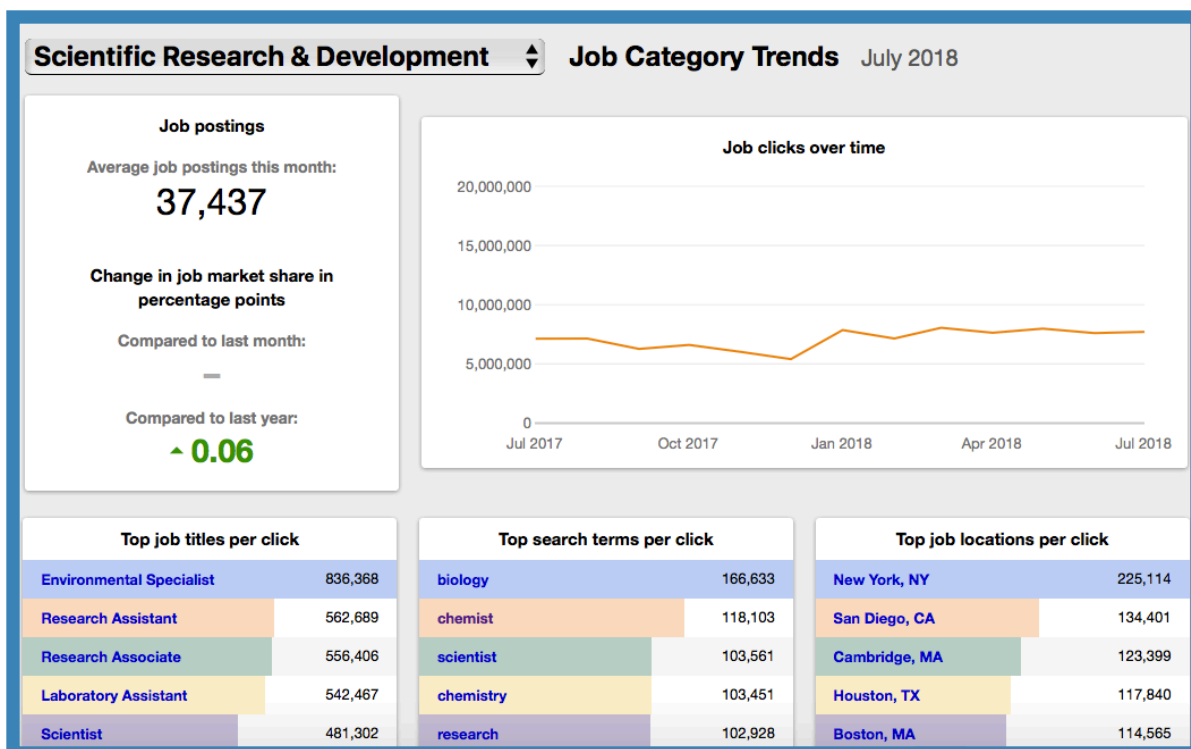
The pharmaceutical industry relies heavily on Raman. Using it can help pharmacists understand the formulations of drugs and develop images of them, as well as allow them understand the composition of tablets, powders, and liquids. The visualized spectrum allows scientists to spot even the smallest of differences between formulations.

Medical scientists, biochemists, and biological technicians use Raman to evaluate cells and tissues. This allows them to better understand the ageing process, degenerative diseases, and bacteria behavior, as well as a whole slough of other biological topics.

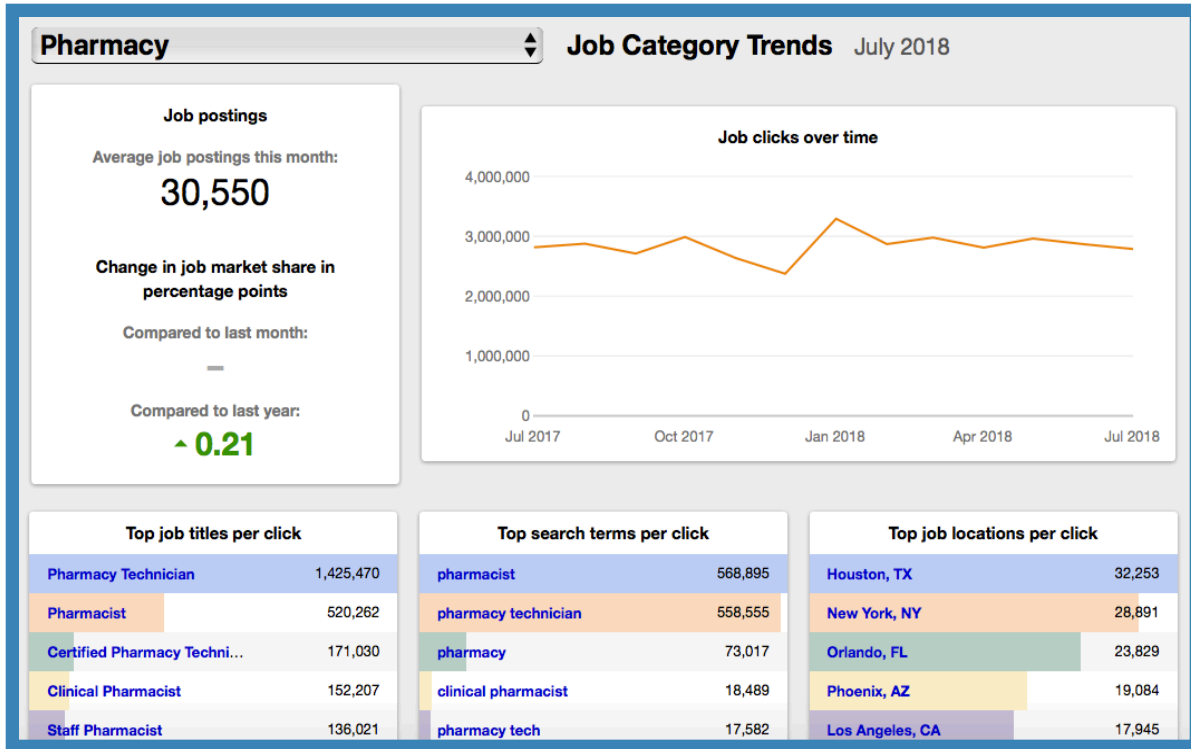


Are These Jobs Really Out There?

Employers are posting jobs like these this very second. In July of 2018, Indeed had a combined 60,000 plus job postings in the scientific research & development and pharmacy fields⁴. In July 2018, Monster offered over 170,000 pharmacy jobs⁵. All of these are careers involve some degree of Raman spectroscopy.

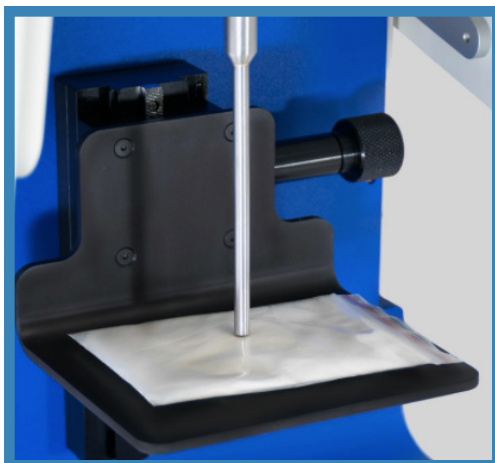


A Guide to Raman Spectroscopy



How Do I Learn Raman Spectroscopy?

The Reva is the perfect platform for beginners. It requires no safety training, comes with ready to teach experiments, and offers consistent, easily exported results. Best of all, we offer user-friendly tutorials and have an easily accessible team for all of your Raman questions.



A Guide to Raman Spectroscopy

References

- (1) Bureau of Labor Statistics Data: Unemployment Rate. (n.d.). Retrieved June 20, 2018, from <https://data.bls.gov/timeseries/LNS14000000>
- (2) Monster Insights. (2017, August). United States Labor Market Update. Retrieved June 20, 2018, from https://media.newjobs.com/a/i/intelligence/US-Labor-Market-Update_JUL2017.pdf
- (3) Biochemists and Biophysicists: Job Outlook. (2018, April 13). Retrieved June 20, 2018, from <https://www.bls.gov/ooh/life-physical-and-social-science/biochemists-and-biophysicists.htm#tab-6>
- (4) Biological Technicians: Job Outlook. (2018, April 13). Retrieved June 20, 2018, from <https://www.bls.gov/ooh/life-physical-and-social-science/biological-technicians.htm#tab-6>
- (5) Indeed Job Category Trends. (n.d.). Retrieved July 24, 2018, from <https://www.indeed.com/jobtrends/category-trends>