# Signal Processing Data Analyst, Entry Level
## March 2019

At Roswell, we are on mission to make genome sequencing dramatically cheaper and faster--now, not in the distant future. Our technology is powered by molecular electronics, and we are the global pioneers in developing this new field that integrates CMOS chips, nanotechnology, and biochemistry. The leadership of Roswell have unmatched experience in developing high-impact, high-value, high-tech devices for the Life Sciences, and bringing them to market, globally. Our goals are big, our timelines are short, and we are building the team that will make it happen.

The **Entry Level Signal Processing Data Analyst** is responsible for supporting the R&D program needs for the analysis of sensor data. The Analyst will work under the direction of the senior signal processing scientist, as part of the interdisciplinary team developing the sensor platform and applications. The position plays an important role in our agile, rapid development program, and provides the "first look" at all new data off our sensor systems. Primary responsibilities consist of curating and analyzing the data produced by daily R&D operations and major data generation campaigns, using in-house data analysis tools.

Specific responsibilities include:

- Applying in-house signal processing tools to analyze sensor signal data sets
- Performing analysis of sensor signal data sets to test specific hypotheses
- Performing in depth exploratory analysis and interpretation of sensor signal traces
- Creating reports on data analysis for the R&D team and company presentations
- Supporting the sensor R&D program, by working closely with lab scientists on a daily basis to curate, assess and interpret the latest experimental data sets
- Supporting the tools development by working closely with senior developers to test tools, provide bug reports and feature requests, optimize algorithm parameters, and develop enhancements
- Responding rapidly to assess new experimental data, on a same-day basis

The ideal candidate can thrive in an extremely fast-paced, dynamic environment, as part of a team of highly skilled, highly focused and highly motivated people who believe in changing the world by creating disruptive technology.

**Qualifications:** New and recent graduates are encouraged to apply. BS or MS in a relevant field, such as Statistics, Computer Science, Applied Math, Electrical Engineering, or Physics. One year of experience working in signal processing or data analysis in an academic or industry setting. Experience with theory and application of 1-D signal processing algorithms. Experience with statistical analysis of data, exploratory data analysis, descriptive statistics, and data mining. Experience with MATLAB preferred, or other data analysis software such as R and Mathematica. The abilities to work quickly, communicate easily, and a passion for working with data are essential for success.

U.S. Citizens, Green Card Holders, and those authorized to work in the U.S. for any employer will be considered. The position is located in the Sorrento Valley area of San Diego.