

Chemist, 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 a 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 Chemist** is responsible for supporting senior chemists work on synthesis and characterization of small molecules, surface chemistry and analysis. The Chemist will work under the direction of the senior synthetic chemist, as part of the interdisciplinary Biosensor R&D team. Primary responsibilities consist of synthesis/bench work chemistry for the scale-up of targets currently in use, and support for on-chip testing of synthetic products.

Specific responsibilities include:

- carrying out synthetic reaction protocols provided by senior chemists
- operating HPLC and analytical equipment to purify and characterize products
- performing chemical processing of biosensor chips for the biosensor team
- ordering and maintaining chemical reagents and supplies
- washing glassware and preparing reaction equipment
- documenting synthesis protocols, procedures and testing results
- maintaining a safe, clean and orderly laboratory working environment

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 chemistry. At least one year of experience (two years preferred) in an academic or industrial lab focusing on organic syntheses. Proficiency with standard synthetic organic techniques such as air-free (Schlenk) techniques, liquid-liquid extractions, column flash chromatography, precipitations/recrystallizations, rotary evaporation, vacuum filtration, thin layer chromatography, analytical and preparative TLC, and solution calculations and preparation. Proficiency in interpreting characterization data such as NMR and ESI-MS. Experience with reverse phase HPLC purification of organic compounds. Experience using Reaxys and SciFinder to search chemical literature. Proficiency using ChemDraw. Comprehensive knowledge of basic college-level organic chemistry. Familiarity and hands-on experience with common bioconjugation reactions. Confidence in setting up, working up, and purifying reactions independently. Ability to work safely with hazardous materials. Ability and desire to keep up with current literature regarding chemistry and related fields. The abilities to work quickly, communicate easily, and a passion for organic synthesis 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.