

Senior Hardware Engineer

Roswell Biotechnologies, Inc. is a fast-paced start-up company developing disruptive nano-bio-sensor technology for Precision Medicine, based on state-of-the-art CMOS mixed-signal sensor chips. The leadership of Roswell have unmatched experience in developing high impact, high value, cutting-edge devices for the Life Sciences, and bringing them to market, globally.

The Senior Hardware Engineer will be responsible for supporting the internal R&D program needs for board-based sensor systems. Primary responsibilities will consist of design, testing, build-out, deployment and support for board-based discrete component sensor systems. The Senior Hardware Engineer will also support the hardware needs of the CMOS sensor IC program, in the areas of design, simulation, testing, deployment and maintenance of IC board systems.

Specific responsibilities include:

- Sensor board design, in consultation with EE leadership and expert advisors
- Sensor board layout and fabrication
- Sensor board build-out and testing
- Development of LabVIEW control software
- Deployment of boards into internal R&D production environment
- Maintenance of deployed board-based systems
- Vendor engagement and procurement of components and services
- Assist with lab instrumentation and electrical measurements
- Assist in Development of boards to support CMOS IC chips and systems.
- Assist in testing and characterization of CMOS IC chips.

Qualifications: MSEE and 3+ years of experience in hardware engineering for discrete sensor systems. Experience with board level analog circuit design, layout, fabrication and testing, and LabView controller programming. Experience with ultra-low noise, low-current amplifier circuits is highly desirable. Experience with bio-sensors/solution-based sensing devices and fluidic systems is also highly desirable. Experience with FPGA programming desirable. Experience with hardware and software-based signal processing is desirable. Experience with or desire to learn CMOS analog and digital IC design, simulation and testing is desirable.

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.

To apply, please send your cover letter and CV to hr@roswellbiotech.com