Materials Engineer II (Surface Characterization-Materials Processing)-Medical Device-R10099

Summary
This position is responsible for working in a cross-functional team of scientists and engineers to deliver on agreed milestones for new product development, early phase evaluations and legacy projects. The individual is expected to apply his or her knowledge and practical skills in the field of materials science and engineering.

The individual is expected to be hand-on, and spend a significant amount of time in the laboratory environment. The individual is expected to work with minimal guidance and provide broad perspective, solutions and best practices. The individual's decisions will be guided by the existing policies and procedures with the guidance from the laboratory manager. The individual is expected to have a fundamental understanding of materials characterization techniques (ex: electron microscopy, optical metallography) and transport phenomenon (momentum, mass and heat transfer) in materials processing.

Essential Functions
Work in a cross-functional team of engineers and scientists to deliver on agreed milestones for new product development, early phase evaluations and legacy products. Depending on the need of the project, design, initiate and implement experiments that will satisfy the regulatory and internal safety needs. Interact with internal as well as external regulatory personnel as needed. Apply his or her knowledge in the field of materials characterization and processing to solve moderately complex problems.

With the input from more senior members of the team and or department manager, propose, initiate, co-ordinate and review appropriate internal or external studies that will satisfy internal and external regulatory, clinical, and safety requirements. Communicate test plans and results to the project teams and department manager as needed.

Maintain familiarity with current technical developments in the field of materials science via the literature and attendance at courses and conferences as required to support S&N's product development efforts. Prepare presentations and technical material needed for sales, marketing and medical education teams as needed.

Comply with the laboratory management practices set-up by the management including S&N global health, safety and environment practices.
Create work instructions for safe and effective use of equipment in the laboratory. Manage laboratory equipment maintenance and calibration with internal and external resources. Order laboratory consumables, assist department manager to manage budgets, and write capital requests as needed.

Perform administrative functions as necessary (objective setting, development plans, training, self-appraisal, etc). Write technical reports and ensure maintenance of complete and accurate records for all controlled documentation. Other miscellaneous activities include attending meetings, submitting financial/travel requests, coordinating team activities, conducting tours and making presentations.

**Education**
B.S. or M.S. or PhD

**Experience**
Bachelor’s degree in Materials Science or Chemical Engineering or Metallurgical Engineering with at least 4 years or Masters with 1 year or PhD with hands-on experience in the field of materials characterization and process metallurgy.

**Competencies**
Must have good team and communication skills.
Requires use of e-mail, Internet and standard Microsoft Office Software.
Must have good time management skills.

**Other**
The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to stand; use hands to finger, handle, or feel objects, tools, or controls; reach with hands and arms; and talk or hear. The employee frequently is required to walk. The employee is occasionally required to sit and stoop, kneel, crouch, or crawl. The employee must occasionally lift and/or move up to 50 pounds. Specific vision abilities required by this job include close vision, distance vision, depth perception, and the ability to adjust focus.