

Chemical - Analytical Research Chemist

Interviewer: David Dabney

JOB DESCRIPTION:

Plan and execute advanced analytical techniques, especially LC/MS, in support of various assigned projects.

Demonstrated capabilities in the separation and analysis of surfactants and polymers and/or blends thereof using state-of-the-art LC/MS techniques.

Has complete responsibility for managing/leading assigned projects including planning, scheduling, coordinating and following-up.

Present technical information such as, new products, technologies, methods, etc. to customers and industry conferences.

Demonstrated abilities to manage multiple complex projects and independently develop the strategy for the overall project load.

Plays mentor role in department work group (WG), providing technical advice and training to colleagues. May direct the work of one or more WG members.

Must be self-motivated and able to foster collaboration with other team members. Build constructive relationships with other WG's and departments to build bridges and remove barriers; relates well throughout the organization.

Actively participate in safety/waste programs and steadfastly adheres to safety policies/standards.

Use available resources and databases to regularly review technical information, patents and literature pertinent to fields of expertise.

Document and communicate technical work and findings via verbal updates and an organized, up-to-date laboratory notebook, record time allocation per policy, produce well written project reports; for both personal work and through direct reports.

Determine capital needs and make purchasing suggestions.

Requirements

KNOWLEDGE AND SKILL REQUIREMENTS

Level of education required is Ph.D. in Chemistry, Analytical Chemistry, Polymer Science, or closely related field; 0 - 5yrs experience in Industry.

Laboratory experience in analytical chemistry, particularly related to separation and chromatographic techniques for the characterization and analysis of complex mixtures.

Demonstrated ability to perform self-directed projects and communicate results in a clear, concise and timely manner using communications tools appropriate for the target audience.

Experience with data and error analysis, stoichiometric and formulation calculations, and instrument/method validation.

Advanced understanding and ability to utilize combinations of analytical techniques, such as MS, GC, HPLC, FT-IR and NMR as well as separation techniques in the pursuit of analyzing and characterizing complex surfactant and/or polymer mixtures.