



Job Title:	Staff Scientist
Location:	Houston, Texas
Employment Status:	Exempt
Reports To:	Technical Director
Travel (%):	< 5 %

Major Roles & Responsibilities

Kraton is looking to hire a new member of our Research and Development team in Houston, Texas. The Staff Scientist will primarily work independently, planning and conducting work, using own judgment in the evaluation, selection, application and modification of standard techniques and processes. The desired candidate will have a strong background in organo-metallic chemistry.

Major Roles & Responsibilities

- Contribute to value creation by creatively finding new applications of technology/products using expert knowledge of technology in professional discipline.
- Support to manufacturing in the area of polymerization – Lithium alkyl chemistry
- Support to manufacturing in the area of hydrogenation – Catalysis (Cobalt salts, Ni salts, Aluminum alkyl reagents, and combinations thereof.)
- Development of new coupling agent technology – need agent to afford polymer with more than 4 arms and less than 10 (vinylbenzylchloride reaction with polymer-lithium reagents)
- Development of modifiers for lithium alkyl reagents to improve control polymerization process – control of vinyl content (both higher and lower are interesting), control of rate, control of co-monomer polymerization
- Development of efficient routes to polymerization of polar monomers – methacrylate esters, unsaturated amines, unsaturated salts. Activated monomer chemistry – organometallic agents will be used.
- New polymerization catalyst technology
- Synthesis routes to polymers with polar functionality – Nexar® Polymers, block copolymers with quaternary ammonium ion functionality
- Invent efficient “hybrid polymerization chemistry” – anionic/Zeigler; anionic/LFR; anionic/cationic. Independently formulate research work and improvement of new and existing processes/ projects.
- Conduct thorough analyses of complex scientific/technical problems and creatively formulate innovations/new concepts
- Guide design of and modifications to experiments and carry out as required by the project.
- Places required orders and requisitions to complete experimental set ups.
- Independently establishes contacts and networks with internal/external customers.
- Independently assess and discuss customer needs, propose and execute proper approaches to problem solving.
- Independently report experimental results to internal/external customers or team members.
- Takes independent actions on more complex and sensitive issues within area of expertise.
- Participation in the definition of own development needs in technical expertise, business, personal skills and application.

The statements above are intended to describe the general nature and level of work performed by employees assigned to this classification. Statements are not intended to be construed as an exhaustive list of all duties, responsibilities and skills required for this position.

Kraton’s internal talent acquisition team manages our recruiting efforts and from time to time works with pre-selected/pre-approved external staffing agencies. We do NOT accept unsolicited resumes or candidate referrals from recruiters and/or agencies who are not pre-selected/pre-approved.

<u>Skills and Experience</u>	Required Skills: <ul style="list-style-type: none">• Expert knowledge of professional discipline that is relevant to a substantial part of the business, obtained by experience and training.• Has knowledge of other disciplines as required for the execution of a program/project.• Ability to effectively contribute to patent drafting.• Ability to provide technical input to the evaluation of third party patents.• Ability to effectively present information and respond to questions from employees, senior management, clients, customers and general public.• Ability to edit reports written by junior staff.• Ability to present papers at international scientific conferences or seminars that meet with scientific recognition.• Ability to work closely with internal/external customers and establish strong relationships to drive innovation projects.• Ability to coach, mentor, or supervise lower level scientists.• Role model in technical approaches.• Ability to effectively facilitate, lead, and organize large projects.• Must be able to devise new approaches to problems encountered and use a wide application of complex principles, theories and concepts gained from knowledge /experience.
<u>How to Apply</u>	Submit your resume to jobs@kraton.com Your privacy is important to us. For information on how we handle your personal data, please review our applicable Privacy Statement