



NL Chemical Technology Inc.

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Senior Membrane Research Scientist

NL Chemical Technology, Mount Prospect, IL

NL Chemical Technology (NLCT), founded in 1995, is a leading membrane technology research and development company. For over 25 years, we have been developing scientific and engineering innovations in the polymer membrane area and commercializing our R&D results. The advanced membrane and process technologies developed are for water treatment and desalination. Building on core areas of expertise in polymer chemistry and process engineering, NLCT has developed a broad portfolio of advanced thin-film composite reverse osmosis (TFC RO) and nanofiltration (NF) membrane manufacturing technologies. We have 2 **immediate openings** for a polymer chemist and a chemical engineer.

It is desirable the candidates have experience with thin-film-composite membrane and membrane separation process and have 5+ years industrial experience.

Responsibilities:

- Design new or modify existing polymeric membranes
- Develop coating and surface modification of polymer membranes
- Plan and conduct laboratory chemical formulation research and process development studies
- Scale up study of pilot plant operations to commercial production
- Participate in the start-up of commercial production line at customer site

R&D skills

- Understanding of polymer structure and function relationships
- Good understanding and knowledge of polymer chemistry and surface chemistry.
- Good knowledge of membrane separations, process engineering, water treatment, instrumental analysis and mechanical engineering is desirable
- Knowledge and experience on statistical design of experiments and Six Sigma is desirable
- Knowledge and experience with project management is a plus

Qualification:

- PhD or MS in chemical engineering, polymer chemistry, organic chemistry, material science, environmental engineering, or industrial engineering.
- Experience in polymer synthesis and modification of physical/mechanical properties of polymers including morphology and rheology or process scale-up and development is desirable.
- Work in a highly collaborative team environment. Strong sense of respect, integrity, and personal commitment to company's success.

We offer a comprehensive benefits package including a competitive salary, company match IRA, medical insurance. Please send your resume to Dr. Robin Wang, Robin.Wang@NLChem.com

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