

Postdoctoral Position in Polymer Chemistry and Nuclear Magnetic Resonance

The Hilty lab in the Chemistry Department at Texas A&M University is seeking to fill a postdoctoral position with immediately available starting date.

The goal of the research project is to determine mechanisms of industrially relevant post-metallocene catalysts for olefin polymerization. This goal will be achieved by the application of nuclear magnetic resonance spectroscopy (NMR) in combination with new hyperpolarization methods, which allow for in-situ, real-time mechanistic investigations of ongoing polymerization reactions.

Our research group is active in the development of state-of-the-art NMR methods with applications to Chemistry. We use hyperpolarization, including the technique of dissolution dynamic nuclear polarization, to enhance NMR signals by several orders of magnitude and allow the study of reaction mechanisms, molecular dynamics and interactions. For additional information, please visit <https://www.chem.tamu.edu/rgroup/hilty/>.

Interested candidates must hold, or be in the process of defending, a PhD degree in Chemistry or a related discipline. In-depth research experience either in synthetic (polymer) chemistry, or in advanced NMR methods is required. We are looking for a colleague who is highly motivated to apply his or her expertise to an interdisciplinary project.

Applicants are requested to submit a letter of interest, curriculum vitae, and the names of three references.

Texas A&M University is an Equal Opportunity employer.

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