Postdoctoral Position in the area of Carbon Capture
Pentzer Lab at Texas A&M University (College Station, TX)

Start Date: flexible, preferrable Jan. 1, 2025 (one year contract with possibility of renewal)
Compensation: $55,000/year
Deadline: rolling, application review will start Nov. 15, 2024

An industry sponsored postdoctoral position is available in the Pentzer Lab to work on direct air capture of CO_2. The successful candidate will be responsible for producing composites of polymer and carbon capture liquids, characterizing composition, and relating morphology and composition to CO_2 uptake performance and regeneration. They will collaborate with other group members and industry sponsors and will support the writing of reports and dissemination of research outputs. A background in gas uptake, carbon capture, separations, membranes, or composites is desired. Ideal candidates are goal oriented, self-driven, and have excellent communication skills.

Relevant publication from the Pentzer Lab:

- *ACS Sus. Chem. Eng.*, **2024**, *12*, 7882-7993. DOI: 10.1021/acssuschemeng.4c01265
- *ACS Appl. Eng. Mater.*, **2024**, *2*, 1298-1305. DOI: 10.1021/acsaenm.4c00118
- *J. Poly. Sci*, **2021**, *59*, 2980-2989. DOI: 10.1002/pol.20210342
- *ACS Appl. Mater.Int.*, **2020**, *12*, 19184-19193. DOI: 10.1021/acsami.0c01622
- *ACS Appl. Mater.Int,* **2020**, *12*, 5169-5176. 10.1021/acsami.9b16546
- *Ind. Eng. Chem. Res.*, **2019**, *58*, 10503-10509. DOI: 10.1021/acs.iecr.9b00314

Texas A&M is a public land-grant research university located in College Station, TX USA, and is approximately 80 miles from Houston and 90 miles from Austin. The Pentzer Lab at Texas A&M is a dynamic group of graduate students and postdocs who work at the interface of science and engineering focusing on architecting composites for carbon capture, thermal energy management, and electrochemical energy storage. The group values diversity of thought and supports researchers from varied background as they pursue their professional goals.

Interested applicants should send a one-page cover letter and complete CV or resume to Prof. Emily Pentzer (emilypentzer@tamu.edu).