



FAMU-FSU Engineering

FAMU-FSU College of Engineering
Department of Chemical and Biomedical Engineering
2525 Pottsdamer Street, Suite A131
Tallahassee, FL 32310
<http://www.eng.famu.fsu.edu/hallinan/>

JOB OPENING: Postdoctoral Scholar: Charged Polymer Synthesis and Membrane Transport

Job Description. A Postdoctoral Scholar position is available for a research project in POLYMER MEMBRANES, jointly carried out in the Florida A&M University–Florida State University (FAMU-FSU) College of Engineering Department of Chemical and Biomedical Engineering and the Department of Chemistry and Biochemistry at FSU. The starting date is flexible and can be as early as September 1, 2023. Review of applications will begin in August and will continue until the position is filled.

The Scholar will become part of a highly collaborative project with an overall research focus on synthesizing and understanding the mechanism of ion transport in advanced nanostructured polyelectrolytes. The collaborative team assembles Polymer Science faculty in the disciplines of Chemical Engineering and Chemistry.

The successful candidate will focus on block copolymer synthesis, functionalization, and characterization in addition to membrane fabrication and ion permeation measurements. The candidate will work closely with the team of PIs consisting of Daniel Hallinan Jr. ([Chemical & Biomedical Engineering](#)), Justin Kennemur ([Chemistry and Biochemistry](#)) and Joseph Schlenoff ([Professor of Polymer Science](#)), as well as with their respective research teams.

Location. The candidate will work at the FAMU-FSU College of Engineering in Tallahassee, Florida. The FAMU-FSU College of Engineering is a top-100 engineering graduate school according to US News rankings. The Hallinan lab has custom capabilities in polymer synthesis, various air-free experiments, advanced time-resolved spectroscopic methods, and access to a full suite of materials characterization facilities at university and college centers as well as at the nearby National High Magnetic Field Laboratory. Facilities in Chemistry will also be available.

Qualifications. A Ph.D. in the area of Chemical Engineering, Chemistry, Polymer or Materials Science and Engineering, or another relevant discipline must be completed by the time of employment. Candidates should demonstrate a successful track record of research accomplishments and a desire to accelerate discovery by working in a team-driven environment. Although not required, special consideration will be given to applicants with experience in the areas of polymer synthesis, membrane separations/transport, and/or electrochemistry. In addition, communication skills, leadership, chemical hygiene/safety, and student mentoring experience are highly valued. Our groups maintain an inclusive research environment with a diverse team that is trained in cutting-edge skills necessary to contribute to the STEM workforce. Applicants from groups underrepresented in STEM are highly encouraged to apply.

To Apply. Send a **single PDF** to Prof. Daniel Hallinan at dhallinan@eng.famu.fsu.edu with “**Postdoctoral Scholar Application**” in the subject line. For consideration the PDF must include all of the following: a 1-2 page [cover letter](#) describing relevant skills and career ambitions, a 2-3 page [research statement](#) summarizing accomplishments, and a [current CV](#) that includes up to 3 references who have agreed to be contacted if necessary.