

DEPARTMENT OF

Chemistry & Biochemistry



COLLEGE OF
SCIENCE & ENGINEERING 

The Department of Chemistry of Chemistry & Biochemistry in the College of Science of Engineering at TCU in Fort Worth, TX invites applications for a postdoctoral fellowship position. The fellow will work with the lab led by Kayla Green on innovative multi-disciplinary research focusing on two areas of emphasis. Synthesis and exploration of modified 12-membered tetra-azamacrocyclic pyridinophanes for (1) incorporation into new polymer materials and (2) therapeutics for diseases derived from oxidative stress, including Alzheimer's disease.

Applicants should have (or be enrolled in) a PhD program in Chemistry at the time of application with experience in organic and inorganic synthesis, 1-2D NMR methods, and purification of organic and inorganic molecules. A strong record or productivity, the ability to work in a dynamic team environment, and communication skills are important. Prior knowledge or experience with polymers, biological studies, and/or potentiometric determination of pK_a and metal binding stabilities is an advantage.

This is a 12 month, 100% appointment with the opportunity for an extension. The Green Research Group is dedicated to creating a supportive environment that fosters diversity and acceptance. Therefore, we welcome and encourage applicants from any background to apply. Please contact Professor Green for any questions or clarifications with subject header: Green Postdoc.

Synopsis of skills and knowledge expected:

- Organic synthetic experience including purification through chromatographic methods.
- Experience with 1-2D NMR and other characterization methods.
- Strong written and verbal communication skills.
- Knowledge and dedication to chemical safety in the laboratory.

Details related to recent work from the group can be found [here](#) or please visit our [website](#).

Applications should be submitted to through [this link](#), TCU Job No 497503.