Post-doctoral Position  
Department of Chemistry at the University of Tennessee

This research postdoctoral appointment will be a split position (50/50), with responsibilities divided between working as an X-ray scientist for the Department of Chemistry and as an inorganic synthetic chemist in Dr. David Jenkins’s group.

**Responsibilities for the X-ray scientist include:**
1. Operating a Bruker single crystal X-ray diffractometer with APEX II detector;
2. Training members of the department on the use of the Bruker single crystal diffractometer;
3. Mounting crystals, collecting data, and solving crystal structures for members of the department (*i.e.*, service structures);
4. Operating a new Empyrean Panalytical powder X-ray diffractometer;
5. Training members of the department on the use of the Panalytical powder X-ray diffractometer; and
6. Maintaining the X-ray facility in the Department of Chemistry, including safety protocols, logbooks, user lists, etc.

**Responsibilities for the researcher in Dr. Jenkins group include:**
1. Expertise in inorganic synthesis in projects being investigated by the Jenkins group. Current projects focus on organometallic catalysis with NHCs and gas separation with MOFs. Please see http://www.chem.utk.edu/jenkins/ for more information; and
2. Ability to solve single crystal X-ray structures in collaboration with other researchers in the Jenkins group.

Since the position primarily entails a strong requisite knowledge of small molecule single crystal X-ray diffractometry, in addition to sending a CV and cover letter, candidates should include a list of **published** crystal structures that have been solved and their references. Knowledge of powder X-ray diffraction techniques is advantageous, but not required. Candidates without prior experience must be interested in learning powder X-ray diffraction techniques while at UT. Applicants who have a background *only* in powder X-ray diffraction will not be considered. Candidates must have completed a PhD in chemistry or a related field prior to appointment at UT. The position is a contract for one year and is renewable (based on performance) for at least one additional year. The position begins January 1, 2011 or on a mutually agreeable later date. Send your CV, cover letter, and list of published crystal structures to Dr. Jenkins at jenkins@ion.chem.utk.edu. Please be prepared to have 2-3 letters of recommendation submitted upon request. Formal review of applications begins on October 25, 2010 and will continue until the position is filled.