

Post-doctoral Fellowship  
in  
Infrared Laser Kinetic Spectroscopy

Robert F. Curl of the Chemistry Department at Rice University is seeking a Post-doctoral Fellow in the field of infrared spectroscopy of free radicals to begin approximately June 1, 2003. In one type of experiment, a suitable precursor for the radical of interest is flash photolyzed by an excimer laser and the transient infrared absorption of radical produced is observed using a tunable, cw IR laser probe. The probe laser is a difference frequency source. In another kind of experiment, the spectra of radicals in a supersonic jet are obtained. Jet cooling reduces spectral congestion permitting the investigation of larger radicals. For somewhat more information see <http://www.ruf.rice.edu/~rfcurl/> and linked pages. This position requires extensive experience with lasers and the normal technology of Chemical Physics. Previous experience working with cw tunable lasers is desirable. To be eligible for this position, a person must have received the doctorate within four years of June 1, 2003. Please send a resume and arrange for two letters of recommendation to be sent to Robert Curl, Chemistry Department, Rice University, Houston, TX 77005-1892, USA <friend@rice.edu> by December 1, 2002. Rice University is an Affirmative Action/Equal Opportunity Employer.