

Postdoctoral Fellows, University of Hawaii at Manoa (Matrix Isolation Spectroscopy, Reaction Dynamics in Gas Phase & Condensed Phase)

The Department of Chemistry, University of Hawai'i at Manoa, and NASA Astrobiology Institute invite applications for multiple postdoctoral positions in the field of experimental physical chemistry (matrix isolation spectroscopy, reaction dynamics, combustion chemistry, astrochemistry, astrobiology). The appointment period is initially for one year, but funds are available for renewals up to three years based on satisfactory progress.

The salary is competitive and commensurate with experience. Successful applicants should have a strong background in one or more of the following: matrix isolation spectroscopy, FTIR, Raman, UVVIS, UVVUV, experimental reaction dynamics, molecular beams, UHV technology, LIF, pulsed laser systems, generation of tunable UV/VUV radiation. Programming experience in C, C++, labview, and/or autocad is desirable. The prime directive of our research program is to investigate the formation of molecules in extreme environments (combustion flames, planetary atmospheres and surfaces, interstellar medium, Kuiper Belt Objects). A description of our current research group can be found at <http://www.chem.hawaii.edu/Bil301/welcome.html>.

Please send a letter of interest, three letters of recommendation, CV, and publication list to Prof. Ralf I. Kaiser, Department of Chemistry, University of Hawai'i at Manoa, Honolulu, HI 96822-2275, USA. Only complete, electronic applications in pdf format (ralfk@hawaii.edu) will be considered. The review of applications will start November 1, 2010, and continues until all positions are filled.