

Postdoctoral Fellows, University of Hawaii at Manoa

Reaction Dynamics in Extreme Environments

W.M. Keck Research Laboratory in Astrochemistry

Two postdoctoral positions in experimental physical chemistry (reaction dynamics, astrochemistry) are open at the Department of Chemistry, University of Hawai'i at Manoa, for the period of initially one year. This position is renewable upon mutual agreement to a maximum of three years. The salary is competitive and commensurate with experience. Successful applicants should have significant background in experimental reaction dynamics, pulsed molecular beams, UHV technology, and laser systems. Programming experience in C, C++, labview, and/or autocad and knowledge in the generation of tunable UV/VUV radiation is desirable. The prime directive of one project is to investigate the formation of astrobiologically important molecules in our Solar System and in the interstellar medium upon ionizing radiation in low temperature ices on the molecular level. A second project aims to unravel the basic reaction mechanisms how the organic aerosol layers in the atmosphere of Saturn's moon Titan evolve chemically. This research will be conducted in the newly established *W.M. Keck Research Laboratory in Astrochemistry* at the University of Hawaii. Solid communication skills in English (written, oral) are mandatory. To apply, 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 (ralfk@hawaii.edu) will be considered. Review of applications will start January 1, 2009, and continues until the position is filled. A description of the current research group can be found at <http://www.chem.hawaii.edu/Bil301/welcome.html>.