



Interstellar Medium Chemistry – Astrobiology Postdoctoral Fellow – Institute for Astronomy, University of Hawai'i Manoa

The Institute for Astronomy (IfA) invites applications for a postdoctoral fellowship with interests in interstellar medium chemistry to join the University of Hawai'i's NASA Astrobiology Institute lead team (<http://www.ifa.hawaii.edu/UHNAI/>). The Fellowship is for one year and may be renewable for another year assuming satisfactory progress and continued availability of funds. The fellow will receive a stipend of approximately \$4,800 per month, a small relocation allowance and basic research costs.

The UH lead team maintains an innovative and multi-disciplinary research environment linking astronomical, biological, microbiological, chemical, and geological sciences to investigate the origin, history, distribution and role of water as it relates to life in the universe. The program centers around interactions with an interdisciplinary group of postdoctoral fellows. We have a particular need for an individual interested in the study interstellar medium grain surface and gas phase chemistries especially as related to D/H fractionation, and D/H fractionation in the early solar system.

Minimum qualifications include a Ph.D. in astrophysics or a related field, a record of research in interstellar medium chemistry research as demonstrated by publications, and expertise in grain surface chemical models in protoplanetary disks or interstellar molecular cloud conditions. Additional desirable qualifications: experience with sub-mm, radio or interferometric molecular observations in the ISM or within the solar system. Education and public outreach is an integral part of the Astrobiology program and experience with or interest in E/PO will be considered positively in an application.

Further details about the interstellar chemistry research projects being carried out within the UH Astrobiology effort or about the lead team's program may be directed to Dr. K. J. Meech (meech@ifa.hawaii.edu).

To Apply, please submit the following:

- Contact information - name, email, phone(s), fax, address.
- Current position and location
- Date of Ph.D and where and what field
- Date available if selected for Fellowship.
- If non-US citizen, visa status (note: Stipend funding only allows support for fellows on J1-visas. If more senior postdoctoral fellows wish to apply, and have supplemental support, we can provide partial support.)

- Current CV and Bibliography
- Letters of recommendation – Please provide the names, addresses and phone numbers of 3 people we may contact for letters of recommendation.

Application materials can be sent (preferably via email) to:

Via snail mail to: Karen Ehrhorn, Institute for Astronomy, 2680 Woodlawn Drive, Honolulu, HI 96822.

Via email to: ehrhorn@ifa.hawaii.edu

Via fax to: NAI Postdoc application, Fax no. (808) 956-4644

Applications will be reviewed beginning February 1, 2009 and will remain open until the Fellowship is filled.