Postdoctoral Position in Cosmic Ice Astrochemistry

Applications are now being accepted for a Postdoctoral Research Associate in the field of astrochemistry to join The Cosmic Ice Laboratory at NASA's Goddard Space Flight Center (GSFC) in Greenbelt, MD. The position consists of a postdoctoral appointment in the *University of Maryland, Baltimore County's (UMBC) Center for Space Sciences and Technology (CSST)*, funded by NASA through the *Center for Research and Exploration in Space Science and Technology II (CRESST II)*.

The successful applicant will join The Cosmic Ice Laboratory and focus on investigating the radiolytic stability of organic compounds under conditions relevant to dense clouds or icy solar system bodies. The successful candidate will perform radiation chemistry experiments on ices at low temperatures in vacuum, using a proton accelerator as the radiation source. The main analytical tool will be infrared spectroscopy.

Candidates for the position must have a Ph.D. in chemistry, physics, or a related field by the date of the appointment and should be within five years of the receipt of their doctoral degree. Ideally, candidates will have experience with some or all of the following: cryo-vacuum apparatuses, radiation chemistry, and infrared spectroscopy. The nominal start date to begin work onsite at GSFC is early 2023, but a later start date is negotiable. Vaccination is strongly recommended for all eligible UMBC students, faculty, and staff.

Complete applications received by December 31, 2022, will receive full consideration. Candidates should send a cover letter, CV (including publication list), a 3-page statement of research interests, and contact information for three references via email to Ms. Katherine McKee (katherine.s.mckee@nasa.gov). The position will remain available until filled.

Salary and benefits are competitive, commensurate with experience and qualifications. For more information about the proposed research, contact Dr. Christopher Materese (christopher.k.materese@nasa.gov). For information about CRESST II or UMBC, contact Dr. Don Engel (donengel@umbc.edu). UMBC is committed to inclusive excellence and innovation and strongly encourages applications from women, minorities, veterans, and individuals with disabilities. UMBC is an equal opportunity employer and welcomes all to apply. The Cosmic Ice Laboratory greatly values diversity and encourage members of underrepresented groups to apply.