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Attention: Prof. E.F. van Dishoeck
Leiden Observatory, Leiden University
P.O. Box 9513
NL-2300 RA Leiden
The Netherlands

Dear Professor van Dishoeck:

I am applying for your advertised postdoctoral position within the Molecular Astrophysics group at the Leiden Observatory. My curriculum vitae, a list of my publications, and a statement of my research interests are enclosed for your review. My experience with millimeter and radio spectroscopy and are an ideal match for this position. I am currently leading exciting research projects including the detection and characterization of a widespread, hot component of molecular gas in the Galactic center using the Green Bank telescope, and a large-area, high-resolution survey of Galactic center gas using the newly-upgraded Karl G. Jansky Very Large Array (VLA) that is discovering widespread maser activity, and will yield the first resolved temperature maps of Galactic center molecular clouds.

At Leiden, I will continue to lead surveys with the VLA and the Atacama Large Millimeter Array to study the physical and chemical processes which cause gas conditions in the Galactic center to be different than those in the Galactic disk, and to probe the conditions in this gas with resolutions sufficient to study individual cores and disks. Given my extensive research background and excellent technical capabilities I would appreciate your consideration for this job opening.

Sincerely,

Elisabeth Mills