

February 1, 2010

Dr. Smita Mathur, Professor  
The Ohio State University Department of Astronomy  
140 W 18th Ave.  
4055 McPherson Lab  
Columbus, OH 43210  
USA

Dear Prof. Mathur:

Please accept the attached application for your advertised postdoctoral position. A major part of my past and on-going research has focused on better understanding feedback from active galactic nuclei (AGN). As such, I am interested in the formation and evolution of supermassive black holes, the accretion modes which fuel AGN activity, and how AGN interact with, and alter, their host environments.

I feel OSU is an excellent fit for me, and the OSU research environment will benefit from my addition. My expertise in radio and X-ray astronomy – in addition to experience with infrared, optical, and UV analysis – ideally suits me for your advertised position. I am also eager to expand my research into theoretical modeling, specifically to consolidate our understanding of radio galaxies and their environments into a unified model which describes isolated FR-Is through FR-IIs in dense clusters. The OSU high-energy astrophysics group is an excellent place to pursue this goal.

Along with this letter are my CV, a list of publications, and a brief summary of my research interests. Letters of recommendation from Megan Donahue, Brian McNamara, and Mark Voit should arrive under separate cover. Please do not hesitate to contact me if there is any further information I can provide as you review my application.

Thank you for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "Ken Cavagnolo", written over a light gray rectangular background.

Dr. Kenneth W. Cavagnolo  
University of Waterloo