

January 30, 2010

Dr. Richard Mushotzky, Professor  
University of Maryland  
Department of Astronomy  
CSS 1204  
College Park, MD 20742-2421  
U.S.A.

Dear Prof. Mushotzky:

Please accept the attached application for your postdoctoral position to work within the High-Energy Extragalactic Astronomy group at the University of Maryland. I feel the post-doctoral position under your advisory is an excellent fit for me, and your research goals will benefit from my addition. My expertise in X-ray and radio astronomy ideally suits me for the advertised projects, and my familiarity with infrared, optical, and UV data analysis situates me to be successful within your research team.

My research program is devoted to developing a better understanding of galaxy clusters and AGN, and your recent publications suggest we have very similar scientific interests. I have been especially intrigued by your work involving Swift/BAT and would like the opportunity to contribute to that work. Additionally, as you state in the ad, I think utilization of high S/N and high resolution X-ray data, in conjunction with the vast wealth of archived UV data, is primed to expand our knowledge of the connection between AGN, star formation, and their host X-ray halos. The prospect of working with the UMD staff is very exciting as my research interests (observational and computational) overlap with many people currently there: K. Arnaud, T. Bogdanovic, M. Loewenstein, C. Markwardt, C. Reynolds, to name just a few.

Along with this letter are my CV, a list of publications, and a statement of research interests. Letters of recommendation from Megan Donahue, Mark Voit, and Brian McNamara 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