

January 1, 2010

Attention: Marijn Franx  
Leiden Observatory

To whom it may concern:

Please accept the attached application for the Leiden Astronomy Fellowship. My current (and proposed) research program focuses on better understanding feedback from active galactic nuclei, with a specific emphasis on the connection between the accretion modes of supermassive black holes, their environments, and the resulting transport of radiative and mechanical energy back to that environment. I am also interested in expanding 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 rich clusters.

My expertise in radio and X-ray astronomy – in addition to extensive experience with infrared, optical, and UV data analysis – ideally suits me to be a fellow at Leiden Observatory utilizing the existing and next generation of facilities/instruments, some of which Leiden Observatory has a vested interest (*i.e.* Herschel and LOFAR). Along with this letter are my CV, a list of publications, a brief summary of past/current research, and a research proposal. Letters of recommendation should have already arrived 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