

# Carnegie Mellon

## Artists' Materials Center

June 17, 2004

700 Technology Drive  
Rm. 3325  
Pittsburgh, PA 15219

Dr. Giacomo Chiari  
Department of Science  
The Getty Conservation Institute  
1200 Getty Center Drive, Suite 700  
Los Angeles, CA 90049-1684

Dear Dr. Chiari:

We currently have a senior staff scientist position available in the Artists' Materials Research Center at Carnegie Mellon University, an applied research organization devoted to developing practical and effective strategies for preventing and repairing damage to cultural properties.

The position involves designing and executing research into the chemical mechanisms of polymer degradation, particularly deterioration induced by physical stresses. This position will also be part of a team aimed at developing a non-destructive sensor for polymer deterioration, helping to design the sensor and evaluate its performance on degrading polymer systems. The senior scientist will also be expected to write reports and publications, to deliver lectures on research findings, and to mentor junior scientific staff at the Center.

Qualified candidates should have a Ph.D. in Chemistry or Polymer Science with an emphasis in polymer degradation chemistries. Candidates must have expertise in polymer analytical techniques, particularly molecular weight measurements and working knowledge of common optical spectroscopies. Candidates should have a solid research and publication record, have the ability to pay close attention to detail and to perform delicate tasks, be adaptable and have creative problem-solving skills. The senior staff scientist should have an interest in beginning or continuing a career in conservation science. Experience in analysis of polymer degradation products especially by mass spectrometry and familiarity with techniques of organic synthesis, molecular modeling software and instrument interface programming language is desirable.

Interested candidates should send a resume and cover letter referencing job # 81094 to: Carnegie Mellon University, Human Resources-Employment, Whitfield Hall, 143 N. Craig Street, Pittsburgh, PA 15213-3890. Further information about the research center can be found at <http://www.emu.edu/amc>. AA/EOE.

I would be appreciative if you would pass this information along to potential applicants and to others who may know of candidates.

Sincerely,



Paul Whitmore, Ph.D.  
Director  
Research Center on the Materials  
of the Artist and Conservator