



HERITAGE SCIENCE FOR CONSERVATION POST-DOCTORAL FELLOWSHIPS

Building Bridges with Science & Industry for Heritage Collections

2010

CALL for PROPOSALS

About Heritage Science for Conservation

Heritage Science for Conservation is part of the Department of Conservation and Preservation at the Sheridan Libraries of Johns Hopkins University. The Fellowships are intended to attract Ph.D.s in the applied or pure sciences. Fellows will focus on the conservation science research needs of heritage collections in libraries and archives.

How to Apply

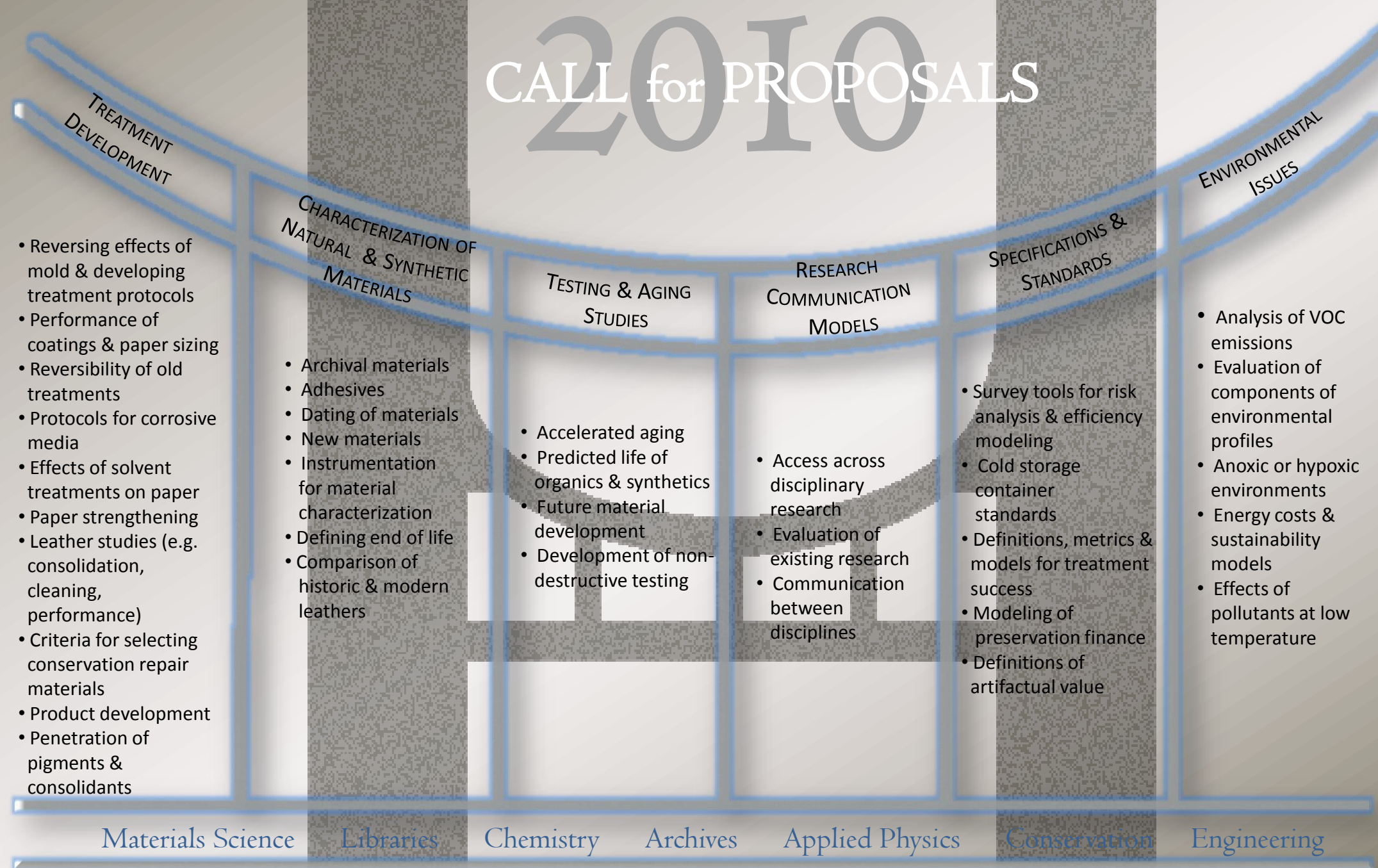
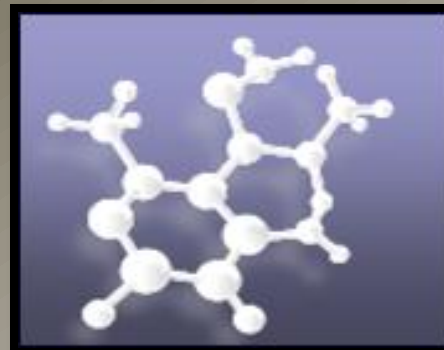
Individuals interested in applying must submit:

- Curriculum Vitae
- Letter of interest briefly describing the proposed area of research and highlighting the innovative approach undertaken
- Completion of the Proposal Submission Form

The application process is open between March 15- April 19, 2010.

Deadlines

Phone interviews: May 21, 2010.
Award Announcement: May 28, 2010
Start Date: August 16, 2010



- Reversing effects of mold & developing treatment protocols
- Performance of coatings & paper sizing
- Reversibility of old treatments
- Protocols for corrosive media
- Effects of solvent treatments on paper
- Paper strengthening
- Leather studies (e.g. consolidation, cleaning, performance)
- Criteria for selecting conservation repair materials
- Product development
- Penetration of pigments & consolidants

- Archival materials
- Adhesives
- Dating of materials
- New materials
- Instrumentation for material characterization
- Defining end of life
- Comparison of historic & modern leathers

- Accelerated aging
- Predicted life of organics & synthetics
- Future material development
- Development of non-destructive testing

- Access across disciplinary research
- Evaluation of existing research
- Communication between disciplines

- Survey tools for risk analysis & efficiency modeling
- Cold storage container standards
- Definitions, metrics & models for treatment success
- Modeling of preservation finance
- Definitions of artifactual value

- Analysis of VOC emissions
- Evaluation of components of environmental profiles
- Anoxic or hypoxic environments
- Energy costs & sustainability models
- Effects of pollutants at low temperature

For more information contact us at:
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Funded by The Andrew W. Mellon Foundation

