

## Steven T. Frey

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### Committees Continued

- Periclean Executive Committee, F'03 to S'05
- Environmental Studies Steering Committee, F'04
- Health Professions Advisory Committee, F'02 to S'04
- Education Committee of the Eastern NY Section of the American Chemical Society, F'97 to S'02
- Self-Determined Major Subcommittee of the Curriculum Committee, F'97-F'00 (Chair F'98-F'00) and F'02 to S'06
- Environmental Studies Curriculum Development Study Group, Summer 1999
- Environmental Studies Future Workshop Group, Summer 2000
- Skidmore Microscopy Imaging Center Planning Committee, S'02 to S'06
- Departmental Committees: Assessment, Awards, Safety, and NMR

### Professional Associations and Memberships

- Reviewer for  
and
- Project Kaleidoscope Faculty for the 21<sup>st</sup> Century, Class of 1997
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Publications (\* indicates undergraduate collaborators) – continued

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## Steven T. Frey

Presentations at Professional Meetings (\* represents undergraduate collaborators) – continued

- "Hydrolysis of  $p$ -Nitrophenylphosphate Using A Eu(III)-Laponite RD Catalyst," Salvatore Fruciano\* and Steven T. Frey, Poster Presentation at the

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### Presentations at Professional Meetings (\* represents undergraduate collaborators) – continued

- “Catalytic Hydrolysis of 4-Nitrophenyl Phosphate by Lanthanum(III) Ion-Exchanged Hectorite Clay”, Brian J. Anderson\*, Benjamin M. Hutchins\*, Teresa K. Schreiber\*, and Steven Frey. Oral presentation at the 17<sup>th</sup> National Conference on Undergraduate Research at the University of Utah, March 13-15, 2003.
- “Catalytic Hydrolysis of Phosphate Esters by Lanthanum(III)-Hectorite,” Steven T. Frey, Benjamin M. Hutchins\*, Dana M. Hach\*, Michelle W. Frey, and Michael E. Hagerman. The 30<sup>th</sup> American Chemical Society Northeast Regional Meeting, University of New Hampshire, Durham, NH, June 26, 2001
- “Hydrolysis by Metal-Bound Clays,” Benjamin M. Hutchins\* and Steven T. Frey. National Conference on Undergraduate Research, University of Kentucky, Lexington, KY, March 16, 2001
- “Hydrolysis by Metal-

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### Presentations at Professional Meetings (\* represents undergraduate collaborators) – continued

- Kristi J. Humphreys, Steven T. Frey, N. Narasimha Murthy, Helen J. Sun, and Kenneth D. Karlin. "DNA Cleavage by Multinuclear Copper(II) Complexes," ACS National Meeting, Poster Session, Orlando, FL, August 1996
- William DeW. Horrocks, Jr., Shu Ling Wu, Sarah E. Burroughs, Steven T. Frey, and Yueli Wang. "Characterization of Europium(III) Complexes Using Laser Spectroscopy: From Icosahedral Viruses to Imaging Agents," Rare Earth Research Conference, Monterey, CA., September 1993
- William DeW. Horrocks, Jr., Sarah E. Burroughs, Steven T. Frey, and Richard C. Holz. "Europium(III) and Cerium(III) Luminescence as a Probe of Biomolecules and Coordination Compounds: Icosahedral Viruses and Aminophosphonate Complexes," Rare Earth Research Conference, Leuven, Belgium, September 1990
- Steven T. Frey and William DeW. Horrocks, Jr. "Characterization of Lanthanide(III) Complexes with Tetraaza Macrocyclic Tetra(methylphosphonic acid) Ligands by Luminescence Spectroscopy," Fourth International Conference on Bioinorganic Chemistry, Poster Session, Boston, MA., July 1989
- Barbara C. Thompson, Steven T. Frey, Joel M. Tingey, and William DeW. Horrocks, Jr. "An Investigation of the Interaction of Calmodulin with Target Enzyme Analogs Using Luminescence Spectroscopy," ACS National Meeting, Poster Session, Toronto, Canada, June 1988.

## Grants

### External

- Research Corporation Cottrell College Science Award, \$44,990 two-year grant starting on June 30, 2006.
- NSF-MRI Grant (contributing author, PI's were David Domozych and Richard Lindeman of Skidmore), \$233,790 for the acquisition of a scanning electron microscope and energy dispersive X-ray analysis system, funded January 2004.
- NSF-MRI Grant (contributing author, PI was Janet Morrow of SUNY Buffalo), \$165,370 for the purchase of a laser system for direct excitation of lanthanide(III) luminescence, funded spring 2003.
- Petroleum Research Fund Type B, \$49,770 three-year grant starting on January 1, 2002.

### Internal

- Summer Technological Innovation Grant, \$1,850, Summer 2005.
- Rathmann Curriculum Development Grant, \$1,200, Summer 2003.
- Skidmore Faculty Development Grant, \$1,000 (January 1, 2001 to August 31, 2001)
- Skidmore Summer Collaborative Research Grants, total of \$19,300 (Summer 1997, 1998, and 2000)
- International Affairs/Environmental Studies Curriculum Development Grant, \$2,700 (1999)

## Honors/Awards

- Inaugural Jon Ramsey Honors Forum Lecturer, April 2005.
- Featured in the December 14, 2001 issue of the
- Elected as a Project Kaleidoscope Faculty for the 21<sup>st</sup> Century representative, 1997
- American Institute of Chemists Award for "Outstanding Senior Student Majoring in Chemistry," Ithaca College, 1987
- ACS Student Award in Analytical Chemistry, Ithaca College, 1986
- Petroleum Research Foundation Summer Research Fellowship, 1986