CEBIC Undergraduate Summer 2004 Research Fellowship Program

The Center for Environmental BioInorganic Chemistry (CEBIC) of the Princeton Environmental Institute announces the recipients of a competitive summer 2004 undergraduate research fellowship program:

Peter Allen, UCSB ’05 will be studying siderophores produced by Black Sea bacteria and investigating possible manganese complexation with siderophores believed to be Fe (III) specific chelates, with Professor Alison Butler, University of California, Santa Barbara.

Erin Bertrand, Bates ’05 will be researching the ratios of thiols exuded by *Emiliania huxleyi* with Professor Beth Ahner, Cornell University.

Dena Bodzin, Harvey Mudd College, will be working with Professor Alison Butler, UCSB, researching amphiphilic and photoactive siderophores.

Matthew Cooper, Princeton ’05 will be working with Professor Satish Myneni, Princeton University on the speciation and bioaccumulation of arsenic in environments exposed to pressure-treated wood.

Christopher De Fraia, Rutgers ’05 will be working with Professor Lily Young, Rutgers University on the molecular characterization of dissimilatory arsenate respiring prokaryotes.

Christopher De Sevo, Middlesex County Community College will be culturing bacteria that consume aromatic substances and extracting DNA with Professor Gerben Zylstra, Rutgers University.

Lauren Elmegreen, Princeton ’05 will be working with Professors Francois Morel and Edward Stiefel, Princeton University, studying the intake and storage of iron in marine bacteria, *Trichodesmium*.

Jennifer Ann Gonzalez, University of Puerto Rico will be investigating the cycling and bioaccumulation of trace metals in aquatic systems with Professor John Reinfelder, Rutgers University.

Scott Grant, Princeton ’05 will research the complexes tetramolybdate and tetraphytungstate with Professor Edward Stiefel through PEI senior research funding at Princeton University.

Linda Johnson, Mercer County Community College will be working with Professor John Groves, Princeton University, researching the mechanics of iron in cells.

Majekodunni Kehinde, Mercer County Community College will be working with Professor Francois Morel, Princeton University comparing the properties of copper and iron.

Lena Shablya, Middlesex County Community College will be working with Professor Gerben Zylstra, Rutgers University to culture bacteria and extract DNA.

Sam Stevens, Oxford ’05 will research the mechanisms of metalloprotein nitration with Professor John Groves through funding from PEI and the Chemistry Department at Princeton University.
Mariamawit Tamerat, Princeton ‘05 will be working with Professor Edward Stiefel, Princeton University to isolate ferritins from *Shewanella oneidensis* bacterium.

Aubrey Van Kirk, Bates ‘07 will be working with Professor Rachel Austin, Bates College on the role of the enzyme AlkB in the cycling of hydrocarbons.

Consult the CEBIC web page ([http://www.princeton.edu/%7Ecebic/people.html](http://www.princeton.edu/%7Ecebic/people.html)) for information about the areas of research.

The eight-week summer fellowship provides a $3000 stipend and some travel support.