

2013 Undergraduate Research Summer Institute Symposium

September 25, 2013

Villard Room

PROGRAM

3:00 Introductory Remarks

Steve Rock, Acting Dean of the Faculty
Marc Smith, URSI Director

3:15 Announcement of the Winifred Asprey Center for Collaborative Approaches to Science

Mark Schlessman, CCAS Director; and Profs. Nancy Ide
and Jennifer Walter, Computer Science

3:20 Students' Oral Presentations on Summer Research

Ramy Abbady, Vassar College '16, Brian Deer,
Vassar College '15 and Prof. Jenny Magnes
Microscopic Methods Using Light Diffraction

Matthew Camber, Vassar College '14, Jarrett Holtz,
Vassar College '15 and Prof. Marc Smith
Seeing the Forest, the Trees, and the Leaves

Anuoluwapo Sopeyin, Vassar College '15 and
Prof. Teresa Garrett
*Purification of the E. coli lysophospholipase PldB:
Quantification of Enzyme Recovery*

4:20 Keynote Address

Computational Insights and the Theory of Evolution

Professor Christos Papadimitriou, C. Lester Hogan Professor
of Electrical Engineering and Computer Science at the
University of California at Berkeley

5:20 - 6:45 Poster Session on Summer Research

7:00 - 8:30 Dinner for URSI Fellows and Faculty

♿ Individuals with disabilities requiring accommodations or information on accessibility should contact the Campus Activities Office, 845 437-5370.



Keynote Speaker

Christos H. Papadimitriou discusses how recent computational techniques have provided unique insights into the theory of evolution. Things such as genetic algorithms, Boolean functions, and unsupervised learning have helped us to better understand certain aspects of evolution and population genetics.

Professor Papadimitriou graduated from Athens Polytechnic, and got his PhD from Princeton in 1976. He is the C. Lester Hogan Professor of EECS. Before joining Berkeley in 1996, he taught at Harvard, MIT, Athens Polytechnic, Stanford, and UCSD. He is a member of the National Academy of Sciences, the American Academy of Arts and Sciences, and the National Academy of Engineering. He has received the Gödel Prize, the Knuth Prize, and several honorary doctorates. Besides his scholarly articles and books, he has published three novels, *Turing* (2003), *Logicomix* (2010, with A. Doxiadis), and *Independence* (2012, in Greek).