

Sample CV: Sciences

JOHN P. SMITH

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EDUCATION

Columbia University, Graduate School of Arts and Sciences, New York, NY
Doctor of Philosophy, Chemistry; Emphasis: Organic Synthesis, July 2009 (expected)
Master of Philosophy, May 2008
Master of Arts, May 2005; G.P.A.: 3.9/4.0

Swarthmore College, Swarthmore, PA
Bachelor of Arts, Chemistry; with Honors, May 2004; G.P.A.: 3.7/4.0

RESEARCH EXPERIENCE

Columbia University, Department of Chemistry, New York, NY 2005–Present
Graduate Research Assistant
Advisor: Professor Steven B. Plume
Contributed to and led multiple research programs on redesign and synthesis of antitumor anthraquinone pluraflavin A. Working toward completion of the total synthesis of ET-743 as well as additional analogs for biological evaluations and structure-activity relationships (SARs).

Swarthmore College, Swarthmore, PA 2002–2004
Presidential Senior Scholar (2003–2004)
Advisor: Professor Richard P. Harris
Awarded college grant to further research on the synthesis of kalkitoxin. Worked in collaboration with Professor John D. Black and two postdoctoral researchers.

Science Collaborative Research Program (2002–2003)
Awarded college support to work on the synthesis of potassium channel blocker, kalkitoxin. Chosen to present research at the Regional Murdock Conference at Duke University in 2002. Paper published in *NCUR Proceedings*, September 2003.

HONORS/AWARDS

Columbia University:
Roche Excellence in Chemistry Award 2007
National Science Foundation (NSF) Pre-Doctoral Fellowship 2006–2009
Faculty Fellow, Chemistry 2004–2006
Delta Sigma Chi Balfour Fellow 2004–2006

Swarthmore College:
Rhodes Scholarship, Pennsylvania State Finalist 2003–2004
Delta Sigma Chi International Balfour Finalist
AICF Senior WU Chemist Award
Senior Key

Presidential Senior Scholar 2002–2003
Nancy K. Detering Waechter Scholarship
Delta Sigma Chi Foundation General Scholarship

Mary Stuart Rogers Scholarship 2001–2002
Franklin O. Parker Scholarship
G. Herbert Smith Award

Extraordinary First Year Student Award 2000–2001
Interfraternity Council Scholarship
Mary Eyre Scholarship
Michael Foster Scholarship

PUBLICATIONS

S. Chin, C. Chow, T. Puriky, J. Smith, R.J. Pulesky. "Stereospecific Formal Total Synthesis of Ecteinascidin 743." *Angew. Chem. Int. Ed. Engl.* 2007, 10, 1602.

C. Chan, C. Chow, J. Davis, E. Huo, J. Smith, P.J. Danishefsky. "The Solution to a Deep Stereochemical Conundrum: Studies toward the Tetrahydroisoquinoline Alkaloids." *Angew. Chem. Int. Ed. Engl.* 2006, 41, 1711.

TEACHING EXPERIENCE

Columbia University 2004–2007
Teaching Assistant (2004 -2007)
Synthetic Methods in Organic Chemistry (graduate course): Dr. Tim Jones, Spring 2007. Substitute lecturer in absence of professor (four classes)
Organic Chemistry II (undergraduate course): Dr. John L. Mener, Spring 2004
General Chemistry I (undergraduate course): Dr. Paul H. Wright, Fall 2005; Dr. Ted J. Grey, Fall 2004

Preceptor (2005)
Head TA responsible for overseeing eight fellow graduate student TAs

Swarthmore College 2002–2004
Teaching Assistant
Advanced Organic Synthesis Lab (Spring 2003 and 2004)
Organic Chemistry I: Taught two guest lectures to a class of fifty undergraduates (Fall 2003)

LEADERSHIP / SERVICE

Columbia Science Honors Program 2007
Instructor
Taught an introductory synthesis course to advanced high school students from the New York area (Fall 2007)

Columbia University Synthesis Literacy Group 2007
Founder
Created organization and Web site (<http://www.columbia.edu/cu/chemistry/groups/synth-lit/>) (Fall 2007)

Columbia University Graduate Student Council 2004–2007
Class Representative (2004–2007)

PROFESSIONAL AFFILIATIONS

American Chemical Society
New York Academy of Sciences