

# STEFAN G. MINASIAN

COLLEGE OF CHEMISTRY • UNIVERSITY OF CALIFORNIA • BERKELEY, CA 94720  
WORK: (510) 643-5381 • MOBILE: (510) 229-9429 • SMINASIAN@BERKELEY.EDU

---

## EDUCATION

**University of California, Berkeley, CA:** June 2005 – Present

**Ph.D. in chemistry expected Dec 2009**

*Thesis Advisor: Professor John Arnold.* Developed two flourishing research projects • Synthesized the first aluminum–uranium bond and explored applications to nuclear waste remediation • Presented graduate research at scholarly meetings and in the publication of numerous first-author papers in prestigious journals • Received literary praise and awards for research results • Assisted advisor in the preparation of grants and presentations • Attended courses in the Management of Technology Program (Haas School of Business) • Departmental Fellowship for Spring 2009 • 3.82 GPA

**Reed College, Portland, OR:** Sept 1998 – Dec 2002

B.A. in Chemistry

*Thesis Advisor: Professor Margret Geselbracht.* Initiated a project to perform electrochemistry in room temperature ionic liquids • Initiative Grant for Undergraduate Research • 2.90 GPA

---

## PROFESSIONAL EXPERIENCE

**Amgen Biotechnology, South San Francisco, CA:** Jan 2005 – May 2005

Research Associate II

Synthesized and characterized organic compounds for medicinal chemistry.

**Exelixis Pharmaceuticals, South San Francisco, CA:** Sept 2004 – Dec 2004

Research Associate II

Performed purification and quality control of compounds for use in drug discovery.

**Oregon Health & Sciences University, Beaverton, OR:** April 2003 – June 2004

Research Assistant

Personally developed the chemical mimics needed to study fungal enzyme galactose oxidase as part of a small multidisciplinary research group of molecular biologists, theorists, and ecologists. Included project design, presentation, and publication.

**Trinity College Dublin, Ireland:** Oct 2001 – Dec 2001

Undergraduate Research Assistant

Conducted stereoselective alkylations of substituted pyridines with hindered alkylboranes.

---

## TEACHING & LEADERSHIP EXPERIENCE

**University of California, Berkeley, CA:** May 2008 – Present

Mentor

Instructed three undergraduate students in specialized laboratory techniques, and guided them through presentation and publication.

**University of California, Berkeley, CA:** Fall 2007

Head Graduate Student Instructor

Administered all sections of an advanced inorganic chemistry laboratory, designed new problem sets and developed experiments.

**University of California, Berkeley, CA:** Fall 2005, Spring 2007

Graduate Student Instructor

Lectured and supervised laboratories for introductory organic chemistry and advanced inorganic chemistry laboratory courses.

**Reed College, Portland, OR:** Jan 2000 – May 2000

Undergraduate Teaching Assistant

Supervised an introductory organic chemistry laboratory course, and helped students with problem sets and test preparation.

---

## FIRST-AUTHOR PUBLICATIONS

Please visit [http://www.cchem.berkeley.edu/jagrp/stefan\\_pubs.html](http://www.cchem.berkeley.edu/jagrp/stefan_pubs.html)

- Minasian, S. G.; Krinsky, J. L.; Rinehart, J. D.; Copping, R.; Tyliczszak, T.; Janousch, M.; Shuh, D. K.; Arnold, J. J. *Am. Chem. Soc.* **2009**, in press.
- Minasian, S. G.; Arnold, J. *Dalton Trans.* **2009**, 106-110.
- Minasian, S. G.; Krinsky, J. L.; Williams, V.A.; Arnold, J. J. *Am. Chem. Soc.* **2008**, 130, 10086-10087.
- Minasian, S. G.; Arnold, J. *Chem. Commun.* **2008**, 4043-4045.
- Minasian, S. G.; Whittaker, M. M.; Whittaker, J. W. *Biochemistry* **2004**, 43, 13683-13693.

---

## AWARDS

- Early Career Scientist Best Poster Award (1 of 5), Actinides 2009 (Summer 2009).
- Featured in the trade magazines of the American Chemical Society and Royal Society of Chemistry: “Uranium-Aluminum Bond A First,” *Chemistry & Engineering News*, and “Uncovering Uranium’s Unusual Bonding,” *Chemistry World* (Fall 2008).
- Best Poster Presentation at Dalton Discussion 11: Renaissance of Main Group Chemistry Conference (Summer 2008).

---

## MISCELLANEOUS

**Test Scores** GRE: Quantitative (760), Verbal (550), Writing (4.5). SAT: Math (690), Verbal (630), Chemistry (670).

**Hobbies** Seriously into cooking and listening to music, also tennis, cycling, playing guitar and piano, backpacking and telemark skiing.