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PROFESSIONAL EXPERIENCE

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| July 2009 – present | Assistant Professor of Chemistry, University of Delaware |
| Aug 2006 – May 2009 | Post-Doctoral Associate, <i>Massachusetts Institute of Technology</i>
Advisor: Professor Stephen L. Buchwald |
| May 2004 – Aug 2006 | NIH Post-Doctoral Fellow, <i>University of California, Berkeley</i>
Advisor: Professor Robert G. Bergman |

EDUCATION

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| March 2004 | Ph.D. in Organic Chemistry, <i>University of California, Irvine</i>
Advisor: Professor Larry E. Overman
Dissertation Title: <i>Investigation into the Origins of Diastereoselection in Spirocyclic Oxindole Forming Intramolecular Heck Cyclizations</i> |
| June 1998 | B.S. in Chemistry with Distinction, <i>University of California, San Diego</i>
Advisor: Professor Emmanuel A. Theodorakis |

HONORS AND AWARDS

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|------|---|
| 2004 | Ruth L. Kirschstein National Research Service Award |
| 2003 | University of California Regents Dissertation Fellowship, UCI |
| 2001 | Pharmacia Graduate Research Fellowship |
| 2001 | Outstanding Teaching Assistant Award, UCI |
| 1998 | Departmental Honors in Chemistry with Distinction, UCSD |
| 1997 | Pfizer Undergraduate Summer Research Fellowship |
| 1996 | Golden Key National Honor Society |

PUBLICATIONS

- 10) Watson, D. A.; Su, M.; Teverovskiy, G.; Zhang, Y.; Garcia-Fortanet, J.; Kinzel, T.; Buchwald, S. L. "Formation of ArF from LPdAr(F): Catalytic Conversion of Aryl Triflates to Aryl Fluorides" *Science*, **2009**, published online at Science Express 8/13/09, DOI:10.1126/science.1178239
- 9) Fors, B. P.; Watson, D. A.; Biscoe, M. R.; Buchwald, S. L. "A Highly Active Catalyst for Pd-Catalyzed Amination Reactions: Cross-Coupling Reactions Using Aryl Mesylates and the Highly Selective Monoarylation of Primary Amines Using Aryl Chlorides" *J. Am. Chem. Soc.*, **2008**, *130*, 13552.
- 8) Martinelli, J. R.; Watson, D. A.; Freckmann, D. M. M.; Barder, T. E. and Buchwald, S. L. "Palladium-Catalyzed Carbonylation Reactions of Aryl Bromides at Atmospheric Pressure: A General System Based on Xantphos" *J. Org. Chem.*, **2008**, *73*, 7102-7107.
- 7) Watson, D. A.; Fan, X.; Buchwald, S. L. "Carbonylation of Aryl Chlorides with Oxygen Nucleophiles at Atmospheric Pressure. Preparation of Phenyl Esters as Acyl Transfer Agents and the Direct Preparation of Alkyl Esters and Carboxylic Acids" *J. Org. Chem.*, **2008**, *73*, 7096-7101.
- 6) Martinelli, J. R.; Clark, T. P.; Watson, D. A.; Munday, R. H.; Buchwald, S. L. "Palladium-Catalyzed Aminocarbonylation of Aryl Chlorides at Atmospheric Pressure: The Dual Role of Sodium Phenoxide" *Angew. Chem. Int. Ed.*, **2007**, *46*, 8460-8463.
- 5) Watson, D. A.; Chiu, M.; Bergman, R. G. "Zirconium Bis(Amido) Catalysts for Asymmetric Intramolecular Alkene Hydroamination" *Organometallics*, **2006**, *25*, 4731-4733.
- 4) Overman, L. E.; Watson, D. A. "Diastereoselection in the Formation of Contiguous Quaternary Carbon Stereocenters by the Intramolecular Heck Reaction" *J. Org. Chem.*, **2006**, *71*, 2600-2608.
- 3) Overman, L. E.; Watson, D. A. "Diastereoselection in the Formation of Spirocyclic Oxindoles by the Intramolecular Heck Reaction" *J. Org. Chem.*, **2006**, *71*, 2587-2599.
- 2) Hynes, J.; Nasser, T.; Overman, L. E.; Watson, D. A. "Preparation of α -Sulfenyl Enones by Thermal Fragmentation of β -Sulfenyl Enol Triflates" *Org. Lett.*, **2002**, *4*, 929-931.
- 1) Xiang, A. X.; Watson, D. A.; Ling, T.; Theodorakis, E. A. "Total Synthesis of Clerocidin via a Novel, Enantioselective Homoallenylboron Methodology" *J. Org. Chem.*, **1998**, *63*, 6774-6775.

POSTER PRESENTATIONS

Organometallics Gordon Research Conference, 2008

Stereochemistry Gordon Research Conference, 2008

National Organic Symposium, 2003