

Dept. of Chemistry University of Victoria
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Education:

Postdoctoral training: Harvard University. Supervisor: A. G. Myers. 2005 – 2007.
Ph.D.: University of Calgary. Supervisor: T. G. Back. 1999 – 2004. GPA: 4.0/4.0
B.Sc. (honours, co-op): University of Victoria. 1992 – 1999. GPA: 8.1/9.0

Awards:

Award	Location	Period Held
Merck Frosst CADP ¹ Award	University of Victoria	2008
Laboratory Startup Funds – Equipment	University of Victoria	2007-2008
Laboratory Startup Funds – Consumables	University of Victoria	2007-2008
NSERC PDF	Harvard University	2005-2007
John Kendall Thesis Award ²	U. of Calgary	2005
I. W. Killam Memorial Scholarship	U. of Calgary	2003-2004
AHFMR ² Full-time Studentship	U. of Calgary	2003-2004
Don Tavares Teaching Excellence Award	U. of Calgary	2002
NSERC PGS-B	U. of Calgary	2001-2003
NSERC PGS-A	U. of Calgary	1999-2001
AHFMR ³ Incentive Award	U. of Calgary	1999-2003
NSERC Industrial Undergraduate Award	Methylgene	1999
B. W. Pearse Science Scholarship	U. of Victoria	1998
Book Prize for Best Co-op Report	U. of Victoria	1997
NSERC Industrial Undergraduate Award	Merck Frosst	1997
University of Victoria Entrance Scholarship	U. of Victoria	1992
B.C. Provincial Scholarship	U. of Victoria	1992

¹CADP = Canadian Academic Development Program.

²awarded for the best Ph.D. thesis in the faculty of science (co-recipient).

³AHFMR = Alberta Heritage Foundation for Medical Research.

Other Notable Nominations – Awards Not Won:

Award	Nominated By	Year	Award	Nominated By	Year
NSERC Doctoral Prize	head, graduate studies	2004	Don Tavares Teaching Award	course supervisor	2000
Don Tavares Teaching Award	course supervisor	2001	Students' Union Teaching Award	undergraduate students	2000

Teaching Experience:

- 09/2007 – current: Assistant Professor, University of Victoria
chemistry 432 / 533 (advanced organic synthesis)
- 09/2003 – 12/2003: Teaching Assistant, University of Calgary
chemistry 453 (advanced organic chemistry)
- 09/2002 – 04/2003: Teaching Assistant, University of Calgary
chemistry 453 / 555 (advanced organic chemistry / advanced organic laboratory)
- 09/2001 – 04/2002: Teaching Assistant, University of Calgary
chemistry 453 / 455 (advanced organic chemistry / advanced organic laboratory)
- 09/2000 – 04/2001: Teaching Assistant, University of Calgary
chemistry 451 / 453 (advanced organic chemistry I & II)
- 09/1999 – 04/2000: Teaching Assistant, University of Calgary
chemistry 451 / 453 (advanced organic chemistry I & II)

Industrial Experience:

- 01/1999 – 06/1999: Research Assistant, Methylgene. (*co-op*)
synthetic organic methodology; supervisor: Dr. S. Woo
- 05/1998 – 08/1998: Analytical Chemist, Dept. of National Defence. (*co-op*)
ICP-MS analysis; supervisor: Dr. D. Lenard
- 05/1997 – 08/1997: Research Assistant, Merck Frosst Canada. (*co-op*)
total synthesis; supervisor: Dr. C. Black
- 01/1996 – 08/1996: *Research Assistant*, Cominco Engineering Services. (*co-op*)
hydrometallurgical extraction; supervisor: Dr. D. Jones.
- 05/1995 – 08/1995: Analytical Chemist, ASL Laboratories. (*co-op*)
routine environmental analysis; supervisor: Mr. S. Hoekstra
- 09/1994 – 12/1994: Research Assistant, CANMET. (*co-op*)
oilsands research; supervisor: Dr. Chandrawatee Angle
- 01/1994 – 04/1994: Analytical Chemist, Syncrude. (*co-op*)
routine oilsands analysis; supervisor: various
- 05/1993 – 08/1993: Analytical Chemist, Chemex Labs. (*co-op*)
routine mineral analysis; supervisor: various

Publications* and Patents:

- #11. J. E. Wulff, R. Siegrist and A. G. Myers (2007) The Natural Product Avrainvillamide Binds to the Oncoprotein Nucleophosmin. *Journal of the American Chemical Society*, 129, 14444-14451. (postdoctoral work).
- #10. A. G. Myers, J. E. Wulff, R. Siegrist and C. F. Nising (2007) Targeting the Oncoprotein Nucleophosmin. US Patent Application, US60/954,393 (postdoctoral work).
- #9. J. E. Wulff, S. B. Herzon, R. Siegrist and A. G. Myers (2007) Evidence for the Rapid Conversion of Stephacidin B into the Electrophilic Monomer Avrainvillamide in Cell Culture. *Journal of the American Chemical Society*, 129, 4898-4899 (postdoctoral work).
- #8. J. M. Sorbetti, K. N. Clary, D. A. Rankic, J. E. Wulff, M. Parvez and T. G. Back (2007) Aza-Morita-Baylis-Hillman Reactions and Cyclizations of Conjugated Dienes Activated by Sulfone, Ester, and Keto Groups. *Journal of Organic Chemistry*, 72, 3326-3331 (Ph.D. work).
- #7. A. G. Myers, S. B. Herzon, J. E. Wulff, R. Siegrist, J. Svenda and M. A. Zajac (2006) Synthesis of Avrainvillamide, Stephacidin B, and Analogues Thereof as Medicinals. International PCT Application, PCT/US2006/009749, WO2006102097 (postdoctoral work).
- #6. T. G. Back, D. A. Rankic, J. M. Sorbetti and J. E. Wulff (2005) Morita-Baylis-Hillman Reaction and Cyclization of 1-(p-Toluenesulfonyl)-1,3-butadiene with Aldimines. *Organic Letters*, 7, 2377-2379 (Ph.D. work).
- #5. T. G. Back and J. E. Wulff (2004) A Stereodivergent Synthesis of Virantmycin by an Enzyme-Mediated Diester Desymmetrization and a Highly Hindered Aryl Amination. *Angewandte Chemie International Edition, English*, 43, 6493-6496 (Ph.D. work).
- #4. T. G. Back, A. Pandyra and J. E. Wulff (2003) Regiochemical Switching in Diels-Alder Cycloadditions by Change in Oxidation State of Removable Diene Sulfur Substituents. Synthesis of Carbazoles by Sequential Heteroannulation and Diels-Alder Cycloaddition. *Journal of Organic Chemistry*, 68, 3299-3302 (Ph.D. work).
- #3. T. G. Back, M. Parvez and J. E. Wulff (2003) Conjugate Additions of o-Iodoanilines and Methyl Anthranilates to Acetylenic Sulfones. A New Route to Quinolones Including First Syntheses of Two Alkaloids from the Medicinal Herb *Ruta Chalepensis*. *Journal of Organic Chemistry*, 68, 2223-2233 (Ph.D. work).
- #2. T. G. Back and J. E. Wulff (2002) First Synthesis of Two Quinoline Alkaloids from the Medicinal Herb *Ruta Chalepensis* via Cyclization of an o-Iodoaniline with an Acetylenic Sulfone. *Chemical Communications*, 1710-1711 (Ph.D. work).
- #1. T. G. Back and J. E. Wulff (2002) Se-Phenyl p-tolueneselenosulfonate. *Electronic Encyclopedia of Reagents for Organic Synthesis*. Wiley Interscience. Ed. L. Paquette (Ph.D. work).

*Please note: for publications #1 - #6, author names are listed in alphabetical order, and do not imply relative contribution.

Presentations:

- #14. Lecture: J. E. Wulff (2008) Synthetic Molecules to Affect Biological Systems: the Search for Avrainvillamide's Biological Target, and the Development of Privileged Scaffolds to Modulate Protein-Protein Interactions. Presented at the Department of Biochemistry and Microbiology, University of Victoria on January 25, 2008 (postdoctoral and independent work).
- #13. Lecture: J. E. Wulff and A. G. Myers (2007) Avrainvillamide & Stephacidin B: Identification of Nucleophosmin as a Potential Protein Target. Presented at the Département des Sciences Fondamentales, Université du Québec à Chicoutimi on June 19, 2007 (postdoctoral work).
- #12. Lecture: J. E. Wulff and A. G. Myers (2007) Avrainvillamide & Stephacidin B: Identification of Nucleophosmin as a Potential Protein Target. Presented at the Chemical Biology Meeting, Harvard University on April 10, 2007 (postdoctoral work).
- #11. Lecture: J. E. Wulff (2006) Chemistry and Biology of Avrainvillamide & Stephacidin B. Presented at the Department of Chemical and Physical Sciences, University of Toronto at Mississauga on January 24, 2007 (postdoctoral work).
- #10. Lecture: J. E. Wulff (2006) Chemistry and Biology of Avrainvillamide & Stephacidin B. Presented at the Department of Chemistry, State University of New York, Buffalo on December 7, 2006 (postdoctoral work).
- #9. Lecture: J. E. Wulff (2006) Chemistry and Biology of Avrainvillamide & Stephacidin B. Presented at the Department of Chemistry, University of Ottawa on November 15, 2006 (postdoctoral work).
- #8. Lecture: J. E. Wulff (2006) Chemistry and Biology of Avrainvillamide & Stephacidin B. Presented at the Department of Chemistry, University of Victoria on October 24, 2006 (postdoctoral work).
- #7. Lecture: J. E. Wulff and A. G. Myers (2006) Chemistry and Biology of Avrainvillamide and Stephacidin B. Presented at the Canadian Society for Chemistry's 2006 National Meeting, Halifax, NS on May 31, 2006 (postdoctoral work).
- #6. Lecture: J. E. Wulff and T. G. Back. (2006) A Stereodivergent Synthesis of Virantmycin. Presented at the Canadian Society for Chemistry's 2006 National Meeting, Halifax, NS on May 28, 2006 (Ph.D. work).
- #5. Lecture: J. E. Wulff and T. G. Back (2003) The Enantioselective Synthesis of Virantmycin. Presented at the 1st Banff Symposium on Organic Chemistry, Banff, AB on November 8, 2003 (Ph.D. work).
- #4. Lecture: J. E. Wulff and T. G. Back. (2003) The Enantioselective Synthesis of Virantmycin. Presented at the American Chemical Society's 2003 National Meeting, New York, NY on September 11, 2003 (Ph.D. work).
- #3. Poster: J. E. Wulff and T. G. Back. (2002) The Synthesis of Quinoline and Reduced Quinoline Species from Acetylenic Sulfones. Presented at the Canadian Society for Chemistry's 2002 National Meeting, Vancouver, BC on June 4, 2002 (Ph.D. work).
- #2. Lecture: J. E. Wulff and T. G. Back. (2001) Progress Toward the Efficient Synthesis of Virantmycin and Structural Analogues. Presented at the Canadian Society for Chemistry's 2001 National Meeting, Montreal, PQ on May 27, 2001 (Ph.D. work).
- #1. Poster: J. E. Wulff, T. G. Back and D. Wehrli. (2000) Synthetic Approaches to Virantmycin. Presented at the Canadian Society for Chemistry's 2000 National Meeting, Calgary, AB on May 30, 2000 (Ph.D. work).