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Education:

1999–2002 Postdoctoral Fellow, Sloan-Kettering Institute for Cancer Research, New York, NY
1994–99 Ph.D. in Chemistry, Indiana University, Bloomington, IN
1992–94 B.A. Boston University, Boston, MA
1990–92 Triton College, River Grove, IL

Professional Appointments:

2002–present *Assistant Professor of Organic and Medicinal Chemistry*, University at Buffalo, the State University of New York.

1999–2002 *Postdoctoral Fellow* with Samuel J. Danishefsky, Sloan-Kettering Institute for Cancer Research.

1994–99 *Graduate Research Assistant* with William R. Roush, Department of Chemistry, Indiana University, Bloomington IN (1994–97) and University of Michigan, Ann Arbor, MI (1997–99)

Teaching Experience:

2003 Assistant Professor, CHE514, Graduate Asymmetric Catalysis, SUNY, Buffalo
2002 Assistant Professor, CHE501, Graduate Organic Reactions, SUNY, Buffalo
1996 Teaching Assistant: Honors Organic Chemistry Discussion, Indiana University
1995 Teaching Assistant: Organic Chemistry Lab I, Indiana University
1995 Teaching Assistant: Organic Chemistry I Discussion, Indiana University
1994 Teaching Assistant: General Chemistry I Discussion, Indiana University

Honors and Fellowships:

2002– Jere Solo Assistant Professor of Medicinal Chemistry
2000–2002 Postdoctoral Fellowship, National Institute of Health (AI10439-01)
2000–2002 Texaco Postdoctoral Fellowship for Women and Minorities
1994 ACS Undergraduate Travel Award, Boston University
1992–94 Trustee Scholar, Boston University
1990–92 Scholar's Program, Triton College

Research Publications:

1. **S. R. Chemler**, U. Iserloh and S. J. Danishefsky (2001). "Toward an Enantioselective Synthesis of Phomactin A: Construction of the Oxadecalin Core via a Highly Stereoselective Diels–Alder Reaction," *Org. Lett.* 3, 2949-2951.
2. **S. R. Chemler** and S. J. Danishefsky (2000). "Transannular Macrocyclization via Intramolecular *B*-Alkyl Suzuki Reaction," *Org. Lett.* 2, 2695-2698.
3. **S. R. Chemler**, W. R. Roush (2003) "Stereochemistry of the Allylation and Crotylation Reactions of α -Methyl- β -Hydroxy Aldehydes with Allyl- and Crotyltrifluorosilanes. Synthesis of *Anti*, *Anti*-Dipropionate Stereotriads and Stereodivergent Pathways for the Reactions with 2,3-*Anti* and 2,3-*Syn* α -Methyl- β -Hydroxy Aldehydes," *J. Org. Chem.*, 68, 1319-1333.

4. **S. R. Chemler** and W. R. Roush (1999). "Stereochemically Divergent Pathways for the Allylation and Crotylation Reactions of *Anti*- and *Syn*- β -Hydroxy- α -Methyl Aldehydes with Allyl- and Crotyltrifluorosilanes," *Tetrahedron Lett.* **40**, 4643-4647.
5. **S. R. Chemler**, D. S. Coffey and W. R. Roush (1999). "An Improved Synthesis of the (*E,Z*)-Dienoate Precursor of (+)-Damavaricin D Via a Vinylogous Horner-Wadsworth-Emmons Reaction," *Tetrahedron Lett.* **40**, 1269-1272.
6. K. A. Scheidt, H. Chen, B. C. Follows, **S. R. Chemler**, D. S. Coffey and W. R. Roush (1998). "Tris(dimethylamino)sulfonium Difluorotrifmethylsilicate, a Mild Reagent for the Removal of Silicon Protecting Groups," *J. Org. Chem.* **63**, 6436-6437.
7. **S. R. Chemler** and W. R. Roush (1998). "Concerning the Synthesis of the Elusive anti,anti-Dipropionate Stereotriad via the Crotylation of α -Methyl- β -Hydroxy Aldehydes with (*Z*)-Crotyltrifluorosilane. Application to the Synthesis of the C(7)–C(16) Segment of Zincophorin," *J. Org. Chem.* **63**, 3800-3801.

Reviews:

8. **S. R. Chemler**, D. Trauner and S. J. Danishefsky (2001) "The *B*-Alkyl Suzuki-Miyaura Cross-Coupling Reaction: Development, Mechanistic Study and Applications in Natural Product Synthesis," *Angew. Chemie. Int. Ed.*, **2001**, **40**, 4544-4568.

Book Chapters:

9. **S. R. Chemler** and W. R. Roush (2001) "Recent Applications of the Allylation Reaction to the Synthesis of Natural Products" Chap. 11 in *Modern Carbonyl Chemistry*, J. Otera, Ed., Wiley-VCH: Weinheim.

Presentations:

- 2003, Poster Presentation, National Organic Symposium, Bloomington, IN, Poster Abstract N. A54, Maria R. Manzoni, Thomas P. Zabawa and **Sherry R. Chemler** "Vicinal Heteroatom Functionalization of Olefins Using Group Ten Transition Metals"
- 2003, Invited Lecture, Buffalo State College, Buffalo, NY
- 2003, Invited Lecture, Canesius College, Buffalo, NY
- 2003, Invited Lecture, Rochester Institute of Technology, Rochester, NY
- 2002, Invited Lecture, D. A. Evans' group Seminar, Harvard, Boston, MA
- 2001 214th National American Chemical Society Meeting, Chicago, IL Abstract No. 187, **Sherry R. Chemler**, Ulrich Iserloh and Samuel J. Danishefsky "Progress toward the Synthesis of Phomactin A: Diastereoselective Diels–Alder Reactions of Alkoxy Dienes."
 - 1997 35th National Organic Symposium, San Antonio, TX, Poster Abstract No. M87, **Sherry R. Chemler** and William R. Roush "Synthesis of the Elusive *Anti*, *Anti*-Dipropionate Stereotriad; Application Towards the Synthesis of the C(7)-C(16) Segment of Zincophorin."
 - 1994 207th National American Chemical Society Meeting, San Diego, CA, Poster, Abstract No. 220, **Sherry R. Chemler** and James S. Panek "Asymmetric 1,2-Addition Reactions of Chiral (*E*)-Crotylsilanes to α,β -Unsaturated Acetals."