

CHEMISTRY

REFEREED PUBLICATIONS

- Davis, C.M.** & Mauck, M.C. (2003). Titrimetric determination of carbon dioxide in a heterogeneous sample ("Pop Rocks"). Journal of Chemistry Education 80, 552-553.
- Davis, C.M.**, Klein, M.F. & Nicholson, K.T. (2002). Organotransition-metalmediated borane-cage expansion. Phosphorus, Sulfur Silicon Relat. Elem., 177, 659-664.
- Davis, C.M.**, Klein, M.F. (2001). Synthesis and Reactivity of a Metallaborane Complex: $[\text{Mo}(\text{CO})_4\text{B}_3\text{H}_8]$ - and the Formation of $\text{Mo}(\text{CO})_4(\text{dppe})$. J. Chem. Educ., 78, 952-953.
- Sculimbrene, B.R.*, Decanio, R.E.*, Peterson, B.W.*, Muntel, E.E.*, **Fenlon, E. E.** (2001). Silatranyl-nucleosides: transition state analogues for phosphoryl transfer reactions. Tetrahedron Letters, 42, 4979-4982. (*indicates a Xavier undergraduate student.)

PRESENTATIONS AT ACADEMIC CONFERENCES

- Cohen, R.J.** (2001). Maintaining data quality in an analytical laboratory. Paper presented at the Pittsburgh Conference on Analytical Chemistry and The Great Lakes Regional American Chemical Society meeting.
- Fenlon, E.E.** (2001). Silatranyl-nucleosides: Synthesis and medicinal/ribozyme applications. Paper presented at the National Meeting of the American Chemical Society. Chicago, IL.
- Fenlon, E.E.** (2001). Silatranyl-nucleosides: Synthesis and medicinal/ribozyme applications. Paper presented at the IU Symposium for Excellence in Undergraduate Chemical Research. Bloomington, IN.
- McLoughlin, D.J.** (2001). Bacterial secretion as a target for a new generation of antibiotics: The role of X-ray crystallography. Invited Seminar presented to faculty and students of John Carroll University, University Heights, OH.

OTHER

- Fenlon, E.E.** (2003). Silatranyl-nucleosides: Synthesis and medicinal/ribozyme applications. Invited lecture at Wright State University.

- Fenlon, E.E.** (2001). Silatranyl-nucleosides: Synthesis and medicinal/ribozyme applications. Invited lecture at Union College.
- Fenlon, E.E.** (2001). Silatranyl-Nucleosides: Synthesis and Medicinal/Ribozyme Applications. Invited lecture at Colby College.
- Fenlon, E.E.** (2000). Silatrane-nucleosides: Synthesis and medicinal/ribozyme applications. Lecture for University of California, Santa Cruz, CA.
- Black, C.A., **Fenlon, E.E.**, Ucci, J.W., Mattingly, M.C. Muntel, E.E., & Sculimbrenne, B.R. (2000). Synthesis and biological activity of silatrane deoxy nucleosides. Poster session presented at the 32nd Central Regional Meeting of the American Chemical Society, Cincinnati, OH.
- Fenlon, E.E.**, Kempton, R.J., Ong, H.C., & Gouge, D. (2000). Synthesis of a deaza analogue of methotrexate. Poster session presented at the 32nd Central Regional Meeting of the American Chemical Society, Cincinnati, OH.
- Fenlon, E.E.**, Napolitano, B.R., Ucci, J.W., Beyer, L.S., & Mattingly, M.C. (1999). Synthesis of silatrane-nucleosides: Potential anti-HIV compounds and ribozyme probes. Poster session presented at the 36th National Organic Symposium, Madison, WI.
- Fenlon, E.E.** (1999). Synthesis of silatrane-nucleosides: Potential anticancer/anti-HIV compounds and probes of ribozymes. Lecture, Northern Kentucky University, Highland Heights, KY.