

Deric R. Learman

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Education:

- **Ph.D., Virginia Tech**, Department of Geosciences (2008). Dissertation title, “*Shewanella oneidensis* MR-1 cell-to-cell signaling and its influences on biogeochemical processes.” Advisor M.F. Hochella, Jr.
- **B.S., Magna Cum Laude, Central Michigan University**, Department of Geological Sciences (2003).

Professional Employment:

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| • Post-doctorial Fellow | Harvard University | 2008-present |
| • Graduate Research Assistant | Virginia Tech | 2005-2008 |
| • Graduate Teaching Assistant | Virginia Tech | 2003-2004 |
| • Government Affairs Intern | American Geologic Institute,
Alexandria, VA | 2003-2003 |

Selected Honors:

- Board of Directors, Project Esperanza Inc. – 2006 - 2008
- GAANN Fellow, Dept. of Education – 2005 – 2006
- Sigma Gamma Epsilon National Council Best Poster Award, Geological Society of America Annual Meeting – 2003
- Central Michigan University Ole H. Kristofferson Award – 2003
- Council on Undergraduate Research Summer Fellowship Award – 2002
- Central Michigan University Crider Scholarship – 2002
- Central Michigan University Bailiwick Award in Geochemistry – 2002
- Central Michigan University Geology Department Service Award – 2002
- Central Michigan University Sigma Xi Undergraduate Research Award – 2002
- Midwest Mineralogical and Lapidary Society Scholarship – 2002

Professional Society Memberships and Activities:

- American Society for Microbiology
- Mineralogical Society of America
- Geochemical Society
- Organized “Rock and Mineral” presentations to local elementary schools, 2001– present

Publications:

Learman, D.R., Yi, H., Brown, S.D., Martin, S.L., Geesey, G.G., Stevens, A.M., and Hochella, M.F. Jr. (in review) *Shewanella oneidensis* MR-1 LuxS involvement in biofilm development and sulfur metabolism.

Publications (oral presentation):

Learman, D.R., Bose, S., Wigginton, N.S., Brown, S.D., Hochella, M.F. Jr. (2007) Reduction of hematite nanoparticles by *Shewanella oneidensis* MR-1, *Geochimica et Cosmochimica Acta* Volume: 71 Issue: 15 Pages: A551-A551.

Publications (poster sessions):

Learman, D.R., Mitchell, A.C., Stevens, A.M., Geesey, G.G., and Hochella, M.F. Jr. (2007) Generation and characterization of a *luxS* mutant strain of *Shewanella oneidensis* MR-1, 3rd ASM Conference on Cell-Cell Communication in Bacteria, Austin, TX.

Learman D., Matty, J. (2003) River Sediments Confirm Location of Contaminated Groundwater Discharge. Geological Society of America Annual Meeting, November 2003, Seattle, WA. 2003 GSA Abstracts with Programs, p. 191.

Learman D.R. and Matty J.M. (2003) Geochemical influences on contaminant fate: a study in Alma Michigan. Presented at the Council on Undergraduate Research Posters on the Hill, Washington, DC and at CMU's Posters at the Capitol, Lansing, MI, April, 2003.

Learman D., Matty J., and Lovan N. (2002) Groundwater flux as a non-point source of pollution to the Pine River near Alma, Michigan. Geological Society of America Annual Meeting, October 2002, Denver CO. 2002 GSA Abstracts with Programs, p. A-150.