Daniel R. Smith
Associate Professor of Biology
Seattle University

Education

Ph.D. Microbiology, University of Minnesota, Mpls., MN 1996
B.S. Microbiology, University of Minnesota, Mpls., MN 1990

Employment and Professional Experience

Chair of Biology, Seattle University, 2007-2011
Associate Professor of Biology, 2004-Present, Seattle University
Assistant Professor of Biology, 1998-2004, Seattle University
Assistant Professor of Biology, 1997-1998, University of Minnesota, Morris, MN
Post Doctoral Associate, Dept. of Soil Science, University of Minnesota, St. Paul, 1996-1997

Current Areas Of Interest

Our lab is studying the role of extracellular polysaccharide and protein on social interactions in the developmental prokaryote *Myxococcus xanthus*. In particular, we are studying a protein that is associated with the extracellular fibrils of *M. xanthus* that is auto ADP-ribosylated. The lab is also actively studying competitive interactions and delineation of territories by different strains of myxobacteria using both genetic and biochemical analysis.

Synergistic Activities

American Society of Microbiology, Member
2010 Reviewer for "Microbiology: An Evolving Science"
Past Reviewer for Prescott, Harley, Klein "Microbiology" 5th Ed.
Past Reviewer for *Infection and Immunity*
M.J. Murdock Core Team for Funding Summer Research, 2008 Funded 2009-Present

Recent Scholarly Activity

Murdock Grant for Summer Undergraduate Research Award, 2012, $9,900

Previous Publications

*Luu, Phuong and Daniel R. Smith, *Strain Interactions in Myxobacteria* Proceedings of the National Conference On Undergraduate Research (NCUR) 2005, Lexington, VA.

"Effects of 3-Methoxybenzamide (3-MBA) on *Myxococcus xanthus* Motility, Colony Morphology, Cohesion and Development." Investigators: Travis Bond*, Bill Pomeroy*, and Daniel R. Smith, **Abstract/Poster**

Fall, 2001 Summer Faculty Fellowship: Regulation of Developmental Genes in Myxococcus Species Dependent On Strain Interactions (Received 11-15-01) $4,000

Spring, 2001 Seattle University School of Science and Engineering Faculty Innovation Proposal: Role of ADP-ribosylation in the Social Behavior of *Myxococcus xanthus* $4,000

December, 2000 Seattle University School of Science and Engineering Faculty Innovation Proposal: “Identifying Genes Involved in Cell Contact-