

## CURRICULUM VITA

Professor **DAVID M. WARD**

Professional Expertise: Microbial Ecology, General Microbiology, Organic Geochemistry, Microbial Evolution, Bioremediation Ecology.

Specific research interests:

Use of genetic markers (16S rRNA, intervening transcribed spacers, functional genes, multi-locus sequence typing and genomics/microarrays) to investigate community composition, structure and function; relationship between biodiversity, ecology and evolution; genomic lipids as biochemical markers in modern and ancient microbial communities; microbiology of microbial mats and stromatolites; microbiology of extreme thermal environments; microbial ecology of bioremediation; microbial bioprospecting; understanding microbial ecology in terms of macro-ecology and macro-evolutionary biology

Education:

Ph.D	1975	University of Wisconsin, Bacteriology (mentor T.D. Brock)
M.S.	1973	University of Wisconsin, Bacteriology
B.Sc.	1971	Ohio State University, Microbiology

Professional Experience

Professor, Department of Land Resources and Environmental Sciences, Montana State University, Bozeman, Montana, 1998-present  
Assistant, Associate, Full Professor, Department of Microbiology, Montana State University, Bozeman, Montana, 1977-1981, -91, -98.  
Postdoctoral Research Associate, Geology Department, UCLA, Los Angeles, California, 1975-1977 (mentor I.R. Kaplan)  
Postdoctoral Research Associate, Laboratory of Thermal Biology, West Yellowstone, Montana, 1975 (mentor T.D. Brock)

Sabbatical leaves with:

Dr. Fred Cohan, Dept. of Biology, Wesleyan Univ., Middletown, CT, (with visits to Dr. Rich Roberts and Rick Morgan, New England Biolabs, Danvers, MA), 1/01-5/01  
Drs. Jan deLeeuw, Jap Sinninghe-Damste and Stephan Schouten, Dept. of Marine Biogeochemistry and Technology, Netherlands Inst. Sea Research (NIOZ), Texel, NL, 9/00-11/00.  
Dr. Herb Fredrickson, Department of Microbiology, Gesellschaft fuer Biotechnologische Forschung, Braunschweig, Germany, 9/91-8/92.  
Dr. Geoffrey Eglinton, Organic Geochemistry Unit, Department of Chemistry, University of Bristol, Bristol, England, 3/84-8/84.  
Dr. N. R. Pace, Department of Molecular and Cellular Biology, National Jewish Hospital and Research Center, Denver, 9/83-3/84.

Professional development:

“Prokaryotic annotation and analysis training”, TIGR, July 2004

### Microbiological Fieldwork Activities in:

France (intertidal and subtidal sediment environments; five times),  
Iceland (geothermal environments; twice),  
Australia (Precambrian sedimentary environments),  
Italy (geothermal environments),  
New Zealand (geothermal environments; twice),  
Yellowstone National Park (with international colleagues on numerous occasions)

### Professional Societies

American Society for Microbiology  
American Association for the Advancement of Science

### Awards, Honors and Recognition

American Association for the Advancement of Science Fellow, October 1997  
American Academy of Microbiology Fellow, February 1996  
Microbial Ecology Division Lecture, Am. Soc. Microbiol., May, 1995  
Cox Family Fund for Excellence Faculty Award for Creative Scholarship and Teaching, Montana State University, 1995  
Montana State University Wiley Award for Outstanding Research, 1989  
Guest Research Fellow, Royal Society of London, 3/84-8/84.  
"Last Lecture Series" invitation and presentation, Montana State University Mortar Board