

## Pennsylvania State University Publications

### Biochemistry of Archaea and Bacteria: Biochemistry of Psychrophilic Organisms

- Sheridan, P.P. & Brenchley, J.E. (2000). Characterization of a salt tolerant family 42  $\beta$ -galactosidase from a psychrophilic Antarctic Planococcus isolate. *Applied Environmental Microbiology*, 66: 2438-2444.
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### Biochemistry of Archaea and Bacteria: Enzymes of Ancient Metabolic Pathways

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- Tripp, B.C. & Ferry, J.G. (2000). A Structure-function study of a proton transport pathway in the gamma-class carbonic anhydrase from *Methanosarcina thermophila*. *Biochemistry*, 39: 9232-9240.

### Biogeochemical and Environmental Influences on the Composition of Late Archean Kerogens and Extracts

- Eigenbrode, J.E., Freeman, K.H., Brocks, J.J., Summons, R.E. & Logan, G.A. (2001). Late Archean biomarkers of carbonate and shale lithofacies from the Hamersley Basin, Western Australia [Abstract]. *Eleventh Annual V.M. Goldschmidt Conference [Online]*. LPI Contribution No. 1088, Lunar and Planetary Institute, Houston, TX. Website: <http://www.lpi.usra.edu/meetings/gold2001/pdf/program.pdf>
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### Causes and Consequences of the Diversification and Extinction of Metazoans: Paleontological Approach

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## Causes and Consequences of the Diversification and Extinction of Metazoans: Neoproterozoic Variations in Carbon and Sulfur Cycling

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## Environment of Prebiotic Earth and the Origin of Life: Experimental Approach

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## Environment of Prebiotic Earth and the Origin of Life: Prebiotic Chemistry of Hydrogen Cyanide

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## Evolution of Atmospheric O<sub>2</sub>, Climate, and the Terrestrial Biosphere

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