

BIBLIOGRAPHY

Allen JP and Williams JC (1998) Photosynthetic reaction centers. *FEBS Letters* 438: 5-9.

Altschul SF, Madden TL, Schaffer AA, Zhang J, Zhang Z, Miller W and Lipman DJ (1997) Gapped BLAST and PSI-BLAST: a new generation of protein database search programs. *Nucleic Acids Research* 25: 3389-3402.

Boomer S, Austinhirst RA, Castenholz RW, and Pierson BK. Filamentous phototrophic bacteria containing bacteriochlorophyll *a* from deep layers in hot spring microbial mats resemble *Heliobacterium oregonensis*. Submitted.

Boomer S (1998, 1999) Molecular ecology of photosynthetic hot spring bacteria that resemble *Heliobacterium oregonensis*. Research Proposal and Reports (Permit 216OR), Yellowstone National Park/Resource Center, WY.

Bowman WC, Du S, Bauer CD, Kranz RG (1999) In vitro activation and repression of photosynthesis gene transcription in *Rhodobacter capsulatus*. *Molecular Microbiology* 33: 429-37.

Bryan TS (1995) *The Geysers of Yellowstone*. University Press of Colorado, Niwot, Colorado.

Cano RJ, Tiefenbrunner F, Ubaldi M, del Cueto C, Luciani S, Cox, T, Orkland P, Junzek, KH, and Rollo F. Molecular Bacteriology of the Neolithic Glacier Mummy from the Alps (accession AF0180153), unpublished.

Castenholz RW (1984) Composition of Hot Spring Microbial Mats: A Summary. In: *Microbial Mats: Stromatolites*, pp 101 - 119. Alan R. Liss, Inc., New York, NY.

Elsen S, Ponnampalam SN, and Bauer CE (1998) CrtJ bound to distant binding sites interacts cooperatively to aerobically repress photopigment biosynthesis and light harvesting II gene expression in *Rhodobacter capsulatus*. *Journal of Biological Chemistry* 273: 30762-9.

Gall A, and Robert B (1999) Characterization of the different peripheral light harvesting complexes from high- and low-light grown cells from *Rhodospirillum rubrum*. *Biochemistry* 38: 5185-90.

Glaeser J and Overmann J (1999) Selective enrichment and characterization of *Roseospirillum parvum*, gen. nov. and sp. nov., a new purple nonsulfur bacterium with unusual light absorption properties. *Archives of Microbiology* 171: 405-416.

Graber JR, Kirshtein JD, Beveridge T, and Reysenbach AL. Community structure of a thermal gradient in a stream near Obsidian Pool, Yellowstone National Park. (accession AF018190), unpublished.

Hagemann GE, Katsiou E, Forkly H, Steindorf AC, Tadros MH (1997) Gene cloning and regulation of gene expression of the *puc* operon from Rhodovulum sulfidophilum. *Biochem. Biophys. Acta* 1351: 341-58.

Hugenholtz P, Pitulle C, Hershberger LK, and Pace NR (1998) Novel division level bacterial diversity in a Yellowstone hot spring. *Journal of Bacteriology* 180: 366-76.

Keppen OI, Baulina OI, and Kondratieva EN (1994) Oscillochloris trichoides neotype strain DG-6. *Photosynthesis Research* 41: 29-33.

Kaku Y, Yamada Y, and Wakabayashi H (1999) Characterization of atypical Aeromonas salmonicida isolated from an epizootic ulcerative disease in carp (Cyprinus carpio). *Fish Pathology* 34: 155-62.

Lawson PA, Llop P, Hutson RA, Hippe H, and Collins MD. Towards a Phylogeny of the Clostridia (accession X73443), unpublished.

Madigan MT and Brock TD (1977) Adaptation by Hot Spring Phototrophs to Reduced Light Intensities. *Archives of Microbiology* 113:111-120.

Oyaizu, H, Debrunner-Vossbrinck, B, Mandelco L, Studier JA and Woese CR (1987) The green nonsulfur bacteria: A deep branching in the eubacteria line of descent. *Systematic and Applied Microbiology* 9: 47-53.

Pace NR (1997) A molecular view of microbial diversity and the biosphere. *Science* 276: 734-740.

Pierson BK, Valdez D, Larsen, M, Morgan E, and Mack EE (1994) Chloroflexus-like organisms from marine and hypersaline environments: Distribution and diversity. *Photosynthesis Research* 41: 35-52.

Pierson BK and Castenholz RW (1992) The family Chloroflexaceae. In: Balows A, Trüper HG, Dworking M, Harder W and Schleifer KH (eds) *The Prokaryotes*, 2nd edn, pp 3754-3774. Springer Verlag, New York.

Pierson BK, Giovannoni SJ, and Castenholz RW (1985) Heliothrix oregonensis, gen. nov., sp. nov., a phototrophic filamentous gliding bacterium containing bacteriochlorophyll *a*. *Archives of Microbiology* 142: 164-167.

Pierson BK, Giovannoni SJ, and Castenholz RW (1984) Physiology of a gliding bacterium containing bacteriochlorophyll *a*. *Applied and Environmental Microbiology* 47: 576-584.

Pierson BK and Castenholz RW (1974) A phototrophic gliding filamentous bacterium of hot springs, Chloroflexus aurantiacus, gen. nov. and sp. nov. *Archives of Microbiology* 100: 5-24.

Reysenbach AL, Wickham GC, and Pace NR (1994) Phylogenetic analysis of the hyperthermophilic pink filament community in Octopus Spring, Yellowstone National Park. *Applied and Environmental Microbiology* 60: 2113-2119.

Sakuragi Y, Frigaard N, Shimada K, Matsuura K (1999) Association of bacteriochlorophyll *a* with the CsmA protein in chlorosomes of the photosynthetic green filamentous bacterium *Chloroflexus aurantiacus*. *Biochem. Biophys. Acta* 1413: 172-180.

Schopf JW and Packer BM (1987) Early Archaen (3-3-Billion to 3.5-Billion-Year-Old) Microfossils from Warrawoona Group, Australia. *Science* 237: 70-73.

Schonhuber W, Zarda B, Eix S, Rippka R, Herdman M, Ludwig W, and Amann R (1999) *In situ* Identification of Cyanobacteria with Horseradish Peroxidase-Labeled, rRNA-Targeted Oligonucleotide Probes. *Applied and Environmental Microbiology* 65: 1259-1267.

Tadros MH, Katsiou E, Hoon MA, Yurkova N, and Ramjii DP (1993) Cloning of a new antenna gene cluster and expression analysis of the antenna gene family of *Rhodospseudomonas palustris*. *European Journal of Biochemistry* 217: 867-975.

Tadros MH, Hagemann GE, Katsiou E, Dierstein R, Schiltz E (1995) Isolation and complete amino acid sequence of the beta- and alpha-polypeptides from the peripheral light-harvesting pigment-protein complex II of *Rhodobacter sulfidophilus*. *FEBS Letters* 368: 243-7.

Tadros MH and Drews G (1990) Molecular biology of membrane-bound complexes in phototrophic bacteria (Drews G and Dawes EA, eds) pp 161-180, Plenum Press, New York.

Thorner JP, Codgell RJ, Pierson BK, and Seftor REB (1983) *Journal of Cellular Biochemistry* 23: 159-169.

Tuschak C, Glaeser J, and Overmann J (1999) Specific detection of green sulfur bacteria by *in situ* hybridization with a fluorescently labeled oligonucleotide probe. *Archives of Microbiology* 171: 365-72.

Walsh MM and Lowe DR (1985) Filamentous microfossils from the 3500-myr-old Onverwacht group, Barberton Mountain Land, South Africa. *Nature* 314: 530-532.

Ward DM, Ferris MJ, Nold SC, and Bateson MM (1998) A Natural View of Microbial Biodiversity within Hot Spring Cyanobacterial Mat Communities. *Microbiology and Molecular Biology Reviews* 62: 1353-1370.

Ward DM, Bateson MM, Weller R, and Ruff-Roberts AA (1992) Ribosomal RNA analysis of microorganisms as they occur in nature. *Advances in Microbial Ecology* 12:219-286.

Weller R, Kopczyński ED, Heimbuch BK, Bateson MM, and Ward DW (1992) Uncultivated cyanobacteria, *Chloroflexus*-like inhabitants and Spirochete-like inhabitants of a hot spring microbial mat. *Applied and Environmental Microbiology* 58: 3964-3969.

Woese CR (1987) Bacterial evolution. *Microbiology Reviews* 51: 221-271.

Xiong J, Inoue K, and Bauer CE (1998) Tracking molecular evolution of photosynthesis by characterization of a major photosynthesis gene cluster from *Heliobacillus mobilis*. *Proceedings of the National Academy of Sciences* 95: 14851-6.