

PUBLICATION-LIST of Gerhard J. Herndl**as of 2008-15-07**Publications in Scholarly Journals

- 131) Herndl, G.J., H. Agogu , F. Baltar, T. Reinthaler, E. Sintes, M.M. Varela, in press: Regulation of aquatic microbial processes: the ‘microbial loop of the sunlit surface waters and the dark ocean dissected. *Aquat. Microb. Ecol.*
- 130) Parada, V., A.-C. Baudoux, E. Sintes, M.G. Weinbauer, G.J. Herndl, in press: Dynamics and diversity of newly produced virioplankton in the North Sea. *The ISME Journal*,
- 129) Winter, C., M.M. Moeseneder, G.J. Herndl, M.G. Weinbauer, 2008: Relationship of geographic distance, depth, temperature, and viruses with prokaryotic communities in the eastern tropical Atlantic Ocean. *Microb. Ecol.*, 56: 383-389
- 128) Varela, M.M., H.M. van Aken, G.J. Herndl, 2008: Abundance and activity of *Chloroflexi*-type SAR202 bacterioplankton in the meso- and bathypelagic waters of the (sub)tropical Atlantic. *Environ. Microbiol.*, 10: 1903-1911
- 127) Reinthaler, T., E. Sintes, G.J. Herndl, 2008: Dissolved organic matter and bacterial production and respiration in the sea-surface microlayer of the open Atlantic and the western Mediterranean Sea. *Limnol. Oceanogr.*, 53: 122-136
- 126) Varela, M.M., H.M. van Aken, E. Sintes, G.J. Herndl, 2008: Latitudinal trends of *Crenarchaeota* and *Bacteria* in the meso- and bathypelagic water masses of the North Atlantic. *Environ. Microbiol.*, 10: 110-124
- 125) Baltar, F., J. Aristegui, J.M. Gasol, S. Hernandez-Leon, G.J. Herndl, 2007: Strong coast – ocean and surface – depth gradients in prokaryotic assemblage structure and activity in a coastal transition zone region. *Aquat. Microb. Ecol.*, 50: 63-74
- 124) Herfort, L., S. Schouten, B. Abbas, M.J.W. Veldhuis, M.J.L. Coolen, C. Wuchter, J.P. Boon, G.J. Herndl, J.S. Sinninghe Damst , 2007: Variations in spatial and temporal distribution of Archaea in the North Sea in relation to environmental variables. *FEMS Microb. Ecol.*, 62: 242-257

- 123) Stoica, E., G.J. Herndl, 2007: Bacterioplankton community composition in nearshore waters of the NW Black Sea coast during consecutive diatom and coccolithophorid blooms. *Aquat. Sci.*, 69: 413-418
- 122) Wilhartitz, I., R. Mach, E. Teira, T. Reinthaler, G.J. Herndl, A. Farnleitner, 2007: Prokaryotic community analysis with CARD-FISH in comparison to FISH in ultra-oligotrophic ground- and drinking water. *J. Appl. Microbiol.*, 103: 871-881
- 121) Stoica, E., G.J. Herndl, 2007: Contribution of *Crenarchaeota* and *Euryarchaeota* to the prokaryotic plankton in the coastal northwestern Black Sea. *J. Plankton Res.*, 29: 699-706
- 120) Parada, V., E. Sintes, H.M. van Aken, M.G. Weinbauer, G.J. Herndl, 2007: Viral abundance, decay and diversity in the meso- and bathypelagic waters of the North Atlantic. *Appl. Environ. Microbiol.*, 73: 4429-4438
- 119) Arrieta, J.M., M.G. Weinbauer, G.J. Herndl, 2007: Response to “Interpreting the results of oceanic mesoscale enrichment experiments: caveats and lessons from limnology and coastal ecology” by M.S. Hale and R.B. Rivkin. *Limnol. Oceanogr.*, 52: 916-918
- 118) Alderkamp, A.-C., E. Sintes, G.J. Herndl, 2006: Abundance and activity of major groups of prokaryotic plankton in the coastal North Sea during spring and summer. *Aquat. Microb. Ecol.*, 45: 237-246

- 117) Reinthaler, T., K. Bakker, R. Manuels, J. v. Ooijen, G.J. Herndl, 2006: Fully automated spectrophotometric approach to determine oxygen concentrations in seawater via continuous-flow analysis. *Limnol. Oceanogr.:Methods*, 4: 358-366
- 116) Sintes, E., G.J. Herndl, 2006: Quantifying substrate uptake of individual cells of marine bacterioplankton by catalyzed reporter deposition fluorescence in situ hybridization combined with microautoradiography. *Appl. Environ. Microbiol.*, 72: 7022-7028
- 115) Teira, E., P. Lebaron, H. v. Aken, G.J. Herndl, 2006: Distribution and activity of Bacteria and Archaea in the deep water masses of the North Atlantic. *Limnol. Oceanogr.*, 51: 2131-2144
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- 106) Stoderegger, K.E., G.J. Herndl, 2005: Dynamics in bacterial surface properties of a natural bacterial community in the coastal North Sea during a spring phytoplankton bloom. *FEMS Microb. Ecol.*, 53: 285-294
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