

## Biogeochemistry: Marco J.L. Coolen

Research Interests of Marco J.L. Coolen, Assistant Scientist (Marine Chemistry and Geochemistry)

- Fate of nucleic acids in Quaternary lacustrine and marine sediments
- Reconstruction of the ancient lacustrine and marine microbial diversity and climate-induced changes of paleoenvironments based on the combined stratigraphic analysis of preserved genes (paleogenomics) and traditional proxies (lipid biomarkers and microfossils)
- Application of molecular biological tools to study past and contemporary metabolic processes in lacustrine and marine Quaternary environments as well as the prokaryotes involved in these processes
- Microbial diversity and processes in stratified systems

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Mail: Woods Hole Oceanographic Institution, 266 Woods Hole Road, Woods Hole, MA 02543, USA.  
E-Contact: [info@whoi.edu](mailto:info@whoi.edu); press relations: [media@whoi.edu](mailto:media@whoi.edu), tel. (508) 457-2000  
Problems or questions about the site, please contact [webdev@whoi.edu](mailto:webdev@whoi.edu)