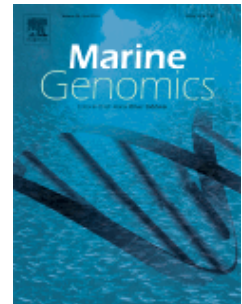




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ISSN: 1874-7787

DESCRIPTION

The journal publishes papers on all functional and evolutionary aspects of **genes, chromatin, chromosomes** and (meta)**genomes** of **marine** (and freshwater) **organisms**. It deals with new genome-enabled insights into the broader framework of environmental science. Topics within the scope of this journal include:

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- Comparative genomics
- Metagenomics
- Environmental genomics
- Systems biology

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Marine and freshwater biologists and ecologists, molecular biologists, geneticists, biotechnologists, oceanographers and modellers.

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RESEARCH INTERESTS: Transcriptome response in Antarctic marine invertebrates and vertebrates. Physiological adaptations in cold-adapted marine organisms. Heat-shock response. Environmental genomics of Antarctic organisms. Molecular analyses of marine organisms. "Omics" technologies in environmental science

J.M. Cock, UMR CNRS 7139, Roscoff, France

RESEARCH INTERESTS: Genetic regulation and development of brown algae. Life cycle regulation. Sex determination. Algal genomics

N. Dubilier, Max Planck Institute (MPI) for Marine Mikrobiologie, Bremen, Germany

RESEARCH INTERESTS: Symbionts in marine invertebrates. Transfer of energy from the geosphere to the biosphere at hydrothermal vents and cold seeps. Ecology of chemosynthetic environments. Microbial ecology

A. Falciatore, CNRS-UPMC UMR 7238, Paris, France

RESEARCH INTERESTS: Diatom functional genomics. Diatom photoreceptors, signaling pathways and function. Genome expression and light response regulation

J.M.O Fernandes, Bodø University College, Bodø, Norway

RESEARCH INTERESTS: Genetic networks controlling growth in teleosts. Fish epigenetics. Role of microRNAs (miRNAs) in animal ontogenesis. Muscle development. Antimicrobial peptides. Transcriptomics, with focus on differential miRNA expression.

J.A. Gilbert, Argonne National Laboratory, Argonne, Illinois, USA

RESEARCH INTERESTS: Microbial communities: temporal and biogeographic structure. Bioprospecting. Metagenomics. Metatranscriptomics. Bioinformatics, Microbial Ecology. Microbial metabolic dynamics

W.R. Hess, Albert-Ludwigs-Universität Freiburg, Freiburg, Germany

RESEARCH INTERESTS: Marine microbiology and functional genomics in bacteria. Transcription and RNA processing. Nuclear, mitochondrial and plastid gene expression in cyanobacteria. Systems biology approaches and methods

G. Procaccini, Stazione Zoologica Anton Dohrn, Napoli, Italy

RESEARCH INTERESTS: Functioning of pelagic and benthic systems at organismal, community and ecosystem levels. Genetics and genomics of sea grass. Molecular systematics and population genetics

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F. Raible, University of Vienna, Vienna, Austria

RESEARCH INTERESTS: Metazoan evolution. Evolution of hormones and neurosecretory brain centers in Bilateria. Regulation of reproductive cycles. Regeneration. Biology of marine annelids.

J.K. Sky Yu, Academia Sinica, Nankang, Taipei, Taiwan

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INTRODUCTION

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