

Aiyar, Prasad	
Influence of biotic and abiotic factors on intracellular calcium profile in the green unicellular algae <i>Chlamydomonas reinhardtii</i>	53
Alacid, Elisabet	
Parasitoid-host interactions: <i>Parvilucifera sinerae</i> killing dinoflagellates, from the cell to the field	54
Alcolombri, Uria	
Smell of the sea: Identification of the algal dimethyl sulfide releasing enzyme	55
Alexander, Harriet	
Nutrient pulses uniquely drive physiological ecology of cosmopolitan phytoplankton strains	56
Antoine-Lorquin, Aymeric	
Logol : Expressive Pattern Matching in sequences	57
Arndt, Hartmut	
Deep-sea benthic microeukaryotes: A plea for morphological and ecological studies as a necessary addition to metagenomics and a proposal for a concerted study across the oceans	58
Arroyo, Alicia	
Diversity of the micrometazoan phyla Acoelomorpha in diverse marine environments: a metabarcoding approach	59
Ashworth, Justin	
Integration, clustering and systems biology of [diatom] transcriptome data	60
Beisser, Daniela	
Comparative Transcriptome Analysis of 18 Chrysophyceae Species	61
Bellaaj Zouari, Amel	
Contribution of Chlorophyta and non-Chlorophyta to the picoeukaryotic community in the Gulf of Gabès (Eastern Mediterranean Sea)	62

Bendif, El Mahdi	
When the Cheshire Cat meets Gaia: puzzling speciation and adaptive patterns in the Gephyrocapsa complex	63
Berdjeb, Lyria	
Marine eukaryote network revealed by high frequency temporal survey in the San Pedro Ocean Time-Series station	64
Berney, Cédric	
UniEuk: a universal taxonomic framework and integrated reference gene databases for eukaryotic biology, ecology, and evolution	65
Bhardwaj, Vaibhav	
Investigating algae-bacteria symbiosis using a vitamin B12 dependent alga	66
Bigalke, Arite	
Autoinduced cell death of the diatom <i>C. didymus</i> in the context of its bacterial community	67
Bittner, Lucie	
Plankton networks driving carbon export in the oligotrophic ocean	68
Blanc-Mathieu, Romain	
Population Genomics of Phytoplankton: <i>Ostreococcus tauri</i> (Chlorophyta, Mamiellophyceae) as a case study	69
Bock, Christina	
Planktonic diversity of Austrian lakes: pattern in eukaryotic protist distribution on a seasonal and geographic scale	70
Boenigk, Jens	
Deep-sequencing reveals nutritional differentiation as driver for the establishment and maintenance of biodiversity	71
Bondoc, Karen Grace	
Structuring benthic biofilm communities: movement of the diatom <i>Seminavis robusta</i> towards nutrient and pheromone sources	72
Bones, Atle	
Examples of integrated analysis of phosphorus depletion responses in diatoms and green marine algae	73

Brakel, Janina		
Eelgrass and its endophyte <i>Labyrinthula zosterae</i> - Amity or Enmity?		74
Caputo, Andrea		
Morphological and phylogenetic diversity of symbiotic open ocean diatoms		75
Casacuberta, Elena	Presenter: Aresté, Cristina	
Developing new model organisms among marine holozoans, the closest unicellular relatives of animals		76
Chappell, Phoebe		
Using Comparative Transcriptomics and Database Mining to Develop Molecular Markers for Iron Limitation in Diatoms		77
Chatzinotas, Antonis		
Multiple predation by protists, phage and BALOs affect anti-predation strategies and co-existence of bacterial prey		78
Chiang, Tony		
Rapid Global Dispersal Follows a Loss of Sexual Reproduction in a Marine Eukaryotic Microbe		79
Cleves, Phillip		
Genetics and Genomics of Cnidarian-Symbiodinium Symbiosis in a Sea-Anemone Model System		80
Colin, Sebastien		
High-Content Fluorescence Microscopy applied to marine protists ecology		81
Collins, James		
Discovery of candidate biomarkers for oxidative stress in phytoplankton using a novel, rules-based lipidomics pipeline		82
Cornejo-Corona, Ivette		
Analysis of the ROS activation in <i>Botryococcus braunii</i> under stress condition with intracellular stain		83
Czech, Lucas		
Evolutionary Placement of Short Reads – Methods, Applications and Visualization		84

D'Alelio, Domenico	
Defining roles in the smallest game: Towards a 'system ecology' approach to study the plankton food-web	85
del Campo, Javier	
EukRef. A community effort towards phylogenetic-based curation of ribosomal databases for environmental sequencing	86
Dorrell, Richard	
Ancient divergence, and recent diversification of peridinin dinoflagellate plastid genomes	87
Dupont, Alessandra	
The relative importance of evolutionary dynamics depends on the composition of microbial predator-prey community	88
Durham, Bryndan	
Metabolite Exchange and Signaling Between Marine Diatoms and Heterotrophic Bacteria	89
Edwardsen, Bente	
A global haptophyte 18S rRNA gene phylogeny including potentially novel lineages, and a curated reference sequence database for taxonomic assignment of metabarcodes	90
Ettamimi, Sara	
Characterization of microbial diversity in Moroccan rivers using a metagenomics approach	91
Fernández Robledo, José	
Transfection strategies in marine protozoans	92
Filker, Sabine	
Protistan plankton communities of high-mountain lakes from three continents exhibit strong biogeographic patterns	93
Fischer, Matthias	
Fighting fire with fire – endogenous virophages protect the heterotrophic nanoflagellate <i>Cafeteria roenbergensis</i> from lysis by giant viruses	94

Flegontova, Olga	
Patterns of diversity and distribution of kinetoplastids in the world ocean	95
Gaonkar, Chetan	
Exploring biodiversity of Chaetoceros (diatoms) in the Gulf of Naples, Italy using High Throughput Sequencing	96
Garvetto, Andrea	
Characterising novel oomycete and protist pathogens in the context of harmful algal blooms	97
Gomaa, Fatma	
Intracellular Bacterial Symbiosis in Genus Arcella (Arcellinids: Amoebozoa): A Key Player for Adaptation to Different Environments	98
Gonzalez Pena, Antonio	
Qiita: an open access microbial data analysis and visualization platform	99
Gran-Stadnczeňko, Sandra	
Comparing high-throughput sequencing and scanning electron microscopy to investigate haptophyte communities in Oslofjorden (Skagerrak)	100
Grattepanche, Jean-David	
Unexpected biodiversity of ciliates in marine samples from below the photic zone	101
Grattepanche, Jean-David	
Coupling molecules and morphology to discover new clades of ciliates	102
Gruber, Ansgar	
Intracellular reallocation of metabolic pathways in cells with complex plastids	103
Grujicic, Vesna	
Planktonic Betaproteobacteria - Genus Limnohabitans and Polynucleobacter as a prey and carbon source for heterotrophic nanoflagellates	104

Guillou, Laure	
The paradox of being a specialist for a parasite of marine blooming dinoflagellates	105
Guse, Annika	
Introduction to Aiptasia, an emerging model system for coral symbiosis	106
Hambleton, Elizabeth	
Dinoflagellate symbiosis with corals: putting 'weird' sterols to good use	107
Harke, Matthew	
Transcriptional profiling of phosphorus physiology in four bloom-forming microbial eukaryotes	108
Hartmann, Manuela	
Mixotrophy of the smallest arctic phytoplankton	109
Helliwell, Katherine	
Vitamin B12 cycling between aquatic microbes: cooperation versus competition	110
Hess, Sebastian	
Molecular mechanisms during food acquisition and gliding locomotion in viridiraptorid amoeboflagellates - a transcriptomic study of <i>Orciraptor agilis</i> (Cercozoa, Rhizaria)	111
Hopes, Amanda	
Transformation of the polar diatom <i>Fragilariopsis cylindrus</i> and CRISPR-Cas in diatoms	112
Hovde, Blake	
Genetic variation between three strains of <i>Chlorella sorokiniana</i> and analysis of potentially beneficial commensal bacteria	113
Hovde, Blake	
The genome and a 24 hour transcriptome analysis of the haptophyte <i>Chrysochromulina tobin</i>: Fitness and importance of haptophytic algae in aquatic environments	114

Hu, Sarah		
Metabolic potential of eukaryotic communities off the coast of southern California		115
Huysman, Marie		
Unraveling the regulatory network controlling light-dependent cell cycle onset in diatoms		116
Iudicone, Daniele		
Diatoms adaptation to turbulence: reviving a longstanding debate?		117
Karlson, Bengt		
Microscopy and high-throughput DNA sequencing gives different views on the biodiversity of phyto- and microzooplankton in the Baltic Sea		118
Kegel, Jessica		
Evolution of a relationship: how <i>Ostreococcus tauri</i> viruses circumvent host resistance		119
Kodner, Robin		
Impacts of expanding reference sequence databases on phylogenetic-based metagenomic analysis		120
Kohli, Gurjeet	Presenter: Murray, Shauna	
Evolutionary trajectories of fatty acid and polyketide synthesis in microbial eukaryotes		121
Krasovec, Marc		
Fitness effects of spontaneous mutations in stressful conditions in the smallest photosynthetic eukaryotes		122
Kroth, Peter		
Interactions between diatoms and bacteria in biofilms		123
Kuwata, Akira		
Biology of a picoeukaryotic phytoplankton, <i>Parmales</i>, a sister group of diatoms		124
Laefferenz Schlogelhofer, Hannah		
<i>Chlamydomonas</i> as a Vitamin B12 Sensor for the Study of Algal-Bacterial Interactions		125

Lambert, Stefan		
A survey of light and temperature effects on marine eukaryotic phytoplankton bloom initiation in north western Mediterranean Sea using combined environmental monitoring and microcosm approaches		126
Leger, Michelle		
An ancestral bacterial division system is widespread in eukaryotic mitochondria		127
Lewis, Jeffrey		
An iterative high-throughput screen to identify transformable diatom species		128
Lie, Alle		
Gene expression of a mixotrophic chrysophyte under different resource availability		129
Lima-Mendez, Gipsi		
Determinants of community structure in the global plankton interactome		130
Lin, Senjie		
Dinoflagellate gene expression and coral symbiosis unfolded by genome and transcriptome studies		131
Lukes, Julius		
Giant mitochondrial genomes of marine diplomonads and kinetoplastids		132
Lutz, Stefanie		
The biogeography and function of snow algae across the Arctic		133
Mahé, Frédéric	Presenter: Dunthorn, Micah	
Swarm v2: highly-scalable and high-resolution amplicon clustering		134
Mangot, Jean-François		
Accessing the dynamics of picosized protists across time and space through a high-throughput automatic cell enumeration approach		135

Matthijs, Michiel	
Transcriptome profiling during nitrogen starvation leads to the discovery of a previously unknown family of transcription factors in the diatom <i>Phaeodactylum tricornutum</i>	136
McCrow, John	
Population-level transcript profiles of nitrogen and iron limited eukaryotic phytoplankton blooms	137
McKay, Robert	
Adaptations to phototrophic life under ice in a large temperate lake revealed by metatranscriptome analysis	138
Méheust, Raphaël	
Protein networks identify novel symbiogenetic genes precipitated by plastid endosymbiosis	139
Mejdandzic, Maja	
Characterization of photosynthetic picoeukaryotes from the Southern Adriatic Pit	140
Moeller, Holly	
Merging models and data to understand acquired phototroph blooms	141
Moniruzzaman, Mohammad	
Nature's genetic engineers- giant viruses of the picoeukaryotes and the <i>Aureococcus anophagefferens</i> - AaV as a model system	142
Moreira, Sandrine	
Assembly and annotation challenges in <i>Diplonema papillatum</i> , a highly divergent marine protist	143
Mueller-Cajar, Oliver	
Biochemical dissection of the Rubisco activation system of red algae	144
Murdock, Sheryl	
Early steps towards understanding the role of protists in hydrothermal vent ecosystems	145

Najle, Sebastian	
Exploring cell type differentiation in unicellular holozoans by single-cell RNA-seq	146
Nerat, Nadine	
Protist community re-assembly and functional differentiation in the wake of flooding events	147
Nitsche, Frank	
Linking sequences to species – exemplified by choanoflagellates	148
Ogata, Hiroyuki	
GenomeNet's Services for Metagenomics Studies	149
Onda, Deo Florence	
Seasonal and interannual variability of ciliates and dinoflagellates in Amundsen Gulf (Arctic)	150
Orr, Russell	
PacBio sequencing reveals the diversity and ecology of a deeply diverging eukaryote lineage	151
Orsi, William	
Identifying prokaryotic and eukaryotic consumers of picoeukaryotic phytoplankton biomass	152
Pargana, Katerina	
Diversity, distribution and evolution of the diatom family Leptocylindraceae: a DNA- Metabarcoding approach	153
Pasulka, Alexis	
Microbial eukaryote distributions and diversity patterns in a deep-sea methane seep ecosystem	154
Peltomaa, Elina	
No signs of feeding selectivity between two Teleaulax species by the mixotrophic ciliate Mesodinium rubrum	155
Pitz, Kathleen	
Development of Fluorescent in situ Hybridization (FISH) probes to detect and enumerate Gambierdiscus species in Wai 'Opae, Hawaii	156

Piwosz, Kasia		
Diversity and dynamics of nanophytoplankton in the Gulf of Gdansk		157
Pucciarelli, Sandra		
Isolation and characterization of bacterial strains from a consortium associated to the Antarctic ciliate <i>Euplotes focardii</i>		158
Rastogi, Achal		
Whole genome resequencing of <i>Phaeodactylum tricornutum</i> genome reveals a global architecture of natural variations.		159
Rest, Joshua	Presenter: Collier, Jackie L.	
Characterization of promoter elements and codon usage properties for efficient protein expression in labyrinthulomycetes		160
Richards, Thomas		
Molecular diversity and distribution of marine fungi across 130 European environmental samples and microscopic identification of a highly overrepresented clade of parasitic fungi of diatoms		161
Richter, Daniel		
Emergent biogeography of plankton communities in the global sunlit oceans		162
Richter, Daniel		
The most transcriptionally active eukaryotic plankton in the surface oceans: who is doing what, and where?		163
Russell, James		
Regulation of Cell Shape in the diatom <i>Phaeodactylum tricornutum</i>		164
Sabatino, Valeria		
Development of genetic resources to explore the lipid metabolism in <i>Pseudo-nitzschia arenysensis</i>		165
Schaum, Elisa		
Here be monsters - selection for biofilm formation alters responses to warming in a marine diatom		166
Schneeberger, Kerstin		
Assembly and annotation of the shifty <i>Euplotes crassus</i> macronuclear genome		167

Schoenle, Alexandra	
Ciliates of the deep sea: recorded diversity and experimental studies on pressure tolerance	168
Seah, Brandon	
The ciliate <i>Kentrophoros</i> and its bacterial symbionts	169
Sheikh, Sanea	
Genome annotation of <i>Acrasis kona</i>	170
Sheyn, Uri	
Modulation of host ROS metabolism is essential for viral infection of a bloom forming coccolithophore in the ocean	171
Slamovits, Claudio	
Developing a transformation system for the dinoflagellate <i>Oxyrrhis marina</i>	172
Smith, Alison	
Vitamins R Us - can exchange of these organic micronutrients explain initiation of mutualisms	173
Smith, Jason	
Transcriptome analysis of <i>Pseudo-nitzschia australis</i> yields insights on nitrogen, isoprene and domoic acid metabolism in this toxigenic diatom	174
Smriga, Steven	
Dying Diatoms as Microscale Gardens for Bacterial Growth	175
Stoeck, Thorsten	
The TARA Ocean voyage reveals global ciliate plankton diversity patterns	176
Šupraha, Luka	
The adaptive strategies of coccolithophores and their biogeochemical implications	177
Sutak, Robert	
<i>Ostreococcus tauri</i> is a new model of green alga to study iron metabolism in eukaryotic phytoplankton	178

Thaler, Mary		
Haptophytes initiate spring bloom before ice break-up in a productivity hotspot of the Arctic Ocean		179
Tomasino, Maria Paola	Presenter: Zingone, Adriana	
Exploring spatial and temporal distribution of harmful microalgae with HTS-based DNA-metabarcoding data		180
Tragin, Margot		
Diversity of green micro-algae (Chlorophyta) in marine waters		181
Troell, Karin	Presenter: Bertilsson, Stefan	
The application of single cell sorting and genome sequencing towards the characterization of Cryptosporidium population structure		182
Turnsek, Jernej		
Spatial Proteomics in Diatoms: Towards a Systems View of Biosilicification and Beyond		183
Vancaester, Emmelien		
Enhancing functional prediction in diatoms using comparative genomics and -omics data integration		184
Verma, Arjun		
Molecular ecology of <i>Ostreopsis siamensis</i> along the East Australian Current		185
Villain, Adrien		
Genomics of the freshwater diatom <i>Asterionella formosa</i> to decipher its interaction with associated bacteria		186
Vincent, Flora		
The ecological network of diatoms in the open ocean: from global patterns to single cell analysis		187
Volkova, Ekaterina		
Morphological and molecular investigation of marine Paramoebidae (Amoebozoa, Dactylopodida)		188
Walker, Charlotte		
Physiological Differences in Calcification Mechanisms between Coccolithophore Species		189

Wallace, Joselynn	
Comparative Transcriptomics of Thalassiosiroid Diatom Responses to Elevated pCO ₂	190
Wohlrab, Sylke	
“What’s in the bucket and what are they doing?” - Comparative analysis of biodiversity and metatranscriptome patterns of microeukaryotic plankton from three different marine ecosystems	191
Yubuki, Naoji	
Origin(s) of the euglenid plastid proteome as inferred from the transcriptome of a mixotrophic euglenophyte: <i>Rapaza viridis</i>	192