Poster Presentation List

Board	Presenting Author	Poster Title
EG-1*	Ricardo Alves	Phylogeny, diversity and evolution of the archaeal ammonia monooxygenase subunit A – a framework for classification and ecological analysis of ammonia-oxidising archaea
EG-2	Neeraja Vajrala	Characterization of *Nitrosomonas eutropha* D23 as a human skin probiotic
EG-3	Brett L. Mellbye	*Nitrosomonas europaea* responses at suboptimum carbonate levels in continuous culture
EG-4	Norisuke Ushiki	Comparative genomic analysis of phylogenetically distant two *Nitrospira* strains isolated from a WWTP
EG-5	Lin Wang	Enrichment, isolation, genome-sequencing and growth physiological characterization of D1FHST, the recovered type strain of *Nitrosococcus nitrosus*, the valid type species of the genus *Nitrosococcus*
EG-6	Christa Schleper	Proteo-Genomics of *Nitrososphaera viennensis*
EG-7	Christopher Lawson	Ecogenomics reveals distributed metabolic networks In suspended and attached growth anammox bioreactors
EN-1	**Anne Taylor**	Response of soil nitrification to temperature gradient shifts
EN-2	**Robert Sanford**	Surface soil as an extreme environment: Diurnal temperature swings impact dynamics of N-fertilizer amendments to soil
~~**EN-3**~~	~~**Hang-Wei Hu**~~	~~The predominant role of ammonia-oxidizing archaea in acid soils and its responses to environmental perturbation and climate change~~
EN-4*	Andrew Giguere	Uncoupling of ammonia oxidation from nitrite oxidation, and its impact upon nitrous oxide production in a grassland soil
EN-5*	Xuefeng(Nick) Peng	Nitrification in the eastern tropical North and South Pacific OMZs
EN-6*	Linda Hink	Differences in nitrous oxide yield from bacterial- and archaeal-driven soil nitrification
EN-7	Meng Han	Dominance of AOA than AOB in acidic forest soils in subtropical China
EN-8	Xue Jiang	Development of a synthetic microbial community towards understanding nitrification and interactions among bacteria, fungi and plants interaction in soil
EN-9	Marc Sala-Faig	Molecular and isotopic analyses reveal high nitrification activity performed by ammonia-oxidizing bacteria in a deep oligotrophic mountain lake
EN-10	Sanni Aalto	Nitrogen transformations in lake sediments receiving nitrate-rich waste water input
EN-11	Mitsuaki Ota	Characterization of nitrogen cycle involved in nitrous oxide emissions in High Arctic polar desert
EN-12	Yan Zhang	Ammonia manipulates the ammonia oxidizing archaea and bacteria in the coastal sediment-water microcosms
EN-13	Zhichao Zhou	PCR-based community analysis of methane-producing and metabolizing archaea and bacteria in the northern South China Sea and the coastal Mai Po Nature Reserve
EN-14	Rebecca Ferrell	Microbial characterization of green roof soil
EN-15	Yang Ouyang	Nitrification kinetics and temperature response of ammonia-oxidizing bacteria and archaea in an agricultural soil under contrasting N fertilization
EN-16	Chris Sedlacek	The effect of *Nitrobacter winogradski* and heterotrophic bacteria on the proteome of *Nitrosomonas* sp. Is79
EN-17	Wei Qin	Influence of oxygen concentration and temperature on marine thaumarchaeal lipid composition confounds the TEX_{86} paleotemperature proxy
EN-18	Chunlei Song	The effect of organic carbon quality on nitrification and denitrification in existing stormwater biofilters
BA-1	**Annika Mosier**	Effect of acid mine drainage on the abundance and diversity of freshwater nitrifying microbes
BA-2	**Qixing Ji**	The role of surface nitrification in nitrous oxide production in mid-latitude North Atlantic
BA-3*	Jennifer B. Glass	Isotopic and kinetic investigations of abiotic nitrous oxide formation from nitrification intermediates and redox-active metals in seawater
BA-4	Martin Brummell	N_2O Dynamics in Restored Peatlands
BA-5	Maria Mooshammer	Cyanate as an alternative substrate for nitrifiers in terrestrial ecosystems
BA-6	Ping Han	Biotransformation of pharmaceuticals by ammonia-oxidizing archaea and bacteria
DM-1	**Hirotsugu Fujitani**	Isolation and successful subculture of *Nitrosomonas mobilis* lineage: Recovery of nature's lost treasure since 1970's
DM-2*	Jong-Geol Kim	Hydrogen peroxide detoxification by α-keto acid oxidation is required for stimulation of growth of a marine ammonia-oxidizing archaeon
DM-3*	Mee-Rye Park	Impact of hydroxylamine on the growth kinetics and gene expression of enriched *Nitrospira spp*.
DM-4	Tatsunori Nakagawa	A chemolithoheterotrophic ammonia-oxidizing archaeon Nitrosopumilus sp. NM25 isolated from eelgrass zone sediment
DM-5	Man-Young Jung	An obligatorily autotrophic ammonia-oxidizing archaeon, "*Candidatus* Nitrosocosmicus oleophilus", affiliated to thaumarchaeotal group I.1b isolated from a coal tar-contaminated soil
DM-6	Brett Mellbye	Identification of acyl-homoserine lactone autoinducers produced by the nitrite-oxidizing bacterium *Nitrobacter winogradskyi*
DM-7	Andy Pacheco	The chemistry of biological ammonia-nitrite interconversion: Insights from studies of cytochrome *c* nitrite reductase
DM-8	Kengo Momiuchi	Selective enrichment of uncultured ammonia-oxidizing bacteria and archaea and Nitrospira from freshwater by continuous feeding bioreactors
DM-9	Petra Pjevac	Multi-color DOPE-FISH – a method to enable detection, visualization and quantification of *Nitrospira* microdiversity, colocalization and interactions in waste water treatment plants and beyond
DM-10	Hanna Koch	Alternative roles of nitrite-oxidizing bacteria in- and outside the nitrogen cycle

DM-11	Catherine Tays	Assessing and optimizing methanotroph growth conditions for use in industrial applications
DM-12	Cao Xiuyun	Phosphorus utilization strategy of nitrogen-fixing cyanobacteria----*Anabaena flos-aquae*
EE-1	**Alex Palomo**	Taxonomic and metagenomic profiling of rapid sand filter microbiome reveals a high *Nitrospira* incidence
EE-2	**Tyler S. Radniecki**	Influence of wastewater constituents on the toxicity of silver nanoparticles to the model ammonia oxidizing bacterium, *Nitrosomonas europaea*
EE-3	**Yu-Chen Su**	Physiological and proteomic responses of methane and ammonia cometabolism in *NItrosomonas europaea*
EE-4*	Siegfried Vlaeminck	Reactivation of microbial nitrogen cycling conversions after lower Earth orbit space exposure
EE-5*	Alexandra Fumasoli	Modeling the population dynamics during nitrification of urine
EE-6	Ellen Lauchnor	Biofilm kinetic modeling and inhibition of ammonia oxidizing bacteria
EE-7	C. Domingo-Félez	Challenges encountered calibrating N_2O dynamics from mixed cultures
EE-8	Shelesh Agrawal	Mimicking annual temperature variations: Response of a partial nitritation/anammox microbial community to different influents
EE-9	Jennifer Hüpeden	Relative abundance of *Nitrotoga* in a biofilter of a freshwater aquaculture plant
EE-10	Barth Smets	Density and distribution of nitrifying guilds in rapid sand filters for groundwater treatment
EE-11	Ryan Bartelme	Nitrifiers in the fluidized sand biofilter of a recirculating aquaculture system
EE-13	Mari Winkler	Modeling simultaneous anaerobic methane and ammonium removal in a granular sludge reactor
EE-14	Liron Friedman	Biokinetics of nitrogen transformation in soil biofilm systems
EE-15	Siegfried Vlaeminck	A high-rate nitrification bioreactor at 50 °C opens up opportunities for thermophilic wastewater treatment
EE-16	Cristiana Morais	A flow cytometry–fluorescence in situ hybridization method to detect ammonia oxidizing bacteria (AOB) under low dissolved oxygen
EE-17	Atsuko Michinaka	Effect of aeration condition on nitrous oxide emissions from conventional activated sludge process
AP-1	**Jing Chen**	Diversity, distribution and abundance of nitrite-dependent anaerobic methane oxidation bacteria in the coastal and ocean sediments
AP-2	**Toshikazu Suenaga**	A gas-permeable membrane biofilm reactor enriches highly active N_2O-reducing bacteria for isolation
AP-3	**Co Thi Kinh**	Counter-diffusion biofilm for simultaneous nitrification and denitrification reduces N_2O emission: Depth-profile analysis
AP-4	C. Palacín-Lizarbe	Denitrification in mountain lakes from the Pyrenees
AP-5	Victoria Collins	Implications of anaerobic nitrogen-transformations in tailings' biogeochemical processes
AP-6	Yuki Harigaya	IC50 values for 14 substances on anammox activity using a ^{15}N tracer technique
AP-7	Nathaniel Ostrom	Is the isotopic site preference in N_2O conservative? Evidence for isotopic fractionation during N_2O production during denitrification
AP-8	Robert Sanford	Spatiotemporal discrimination of bacterial communities harboring *nosZ* genes over a three-year period in two Contrasting agricultural soils

EG=Nitrogen Cycle Ecogenomics: **MONDAY**
EN=Nitrogen Cycle Ecology and Niche Differentiation: **MONDAY**
BA=Biotic/Abiotic Processes in the Nitrogen Cycle: **MONDAY**
DM=Diversity & Modularity of the Nitrogen Cycle: **TUESDAY**
EE=Engineered Environmental: **TUESDAY**
AP=Anerobic Processes of the Nitrogen Cycle: **TUESDAY**

* also a workshop talk
Bolded authors are presenting poster talks