

Schedule of Sessions
International Symposium on Microbial Responses to Ocean Deoxygenation
December 02-05, 2016

Day 1, Dec 3, 2016

Registration 08.40-09.10
Inaugural Session + Distinguished Lecture by Dr SWA Naqvi 09.10-11.00
Tea Break 11.00-11.30

Session I <u>Biogeochemical Processes</u> 11.30-13.10		
Time	Presenting Author	Title of the Presentation
11.20-11.45	Bess Ward	Biogeochemistry and Nitrogen Cycling in Oxygen Minimum Zone Regions of the Ocean
11.45-12.10	Hermann Bange	Trace Gases in Low Oxygen Environments in the Open and Coastal Oceans
12.10-12.30	Karen Casciotti	Paired N and O isotopic analysis of nitrate, nitrite, and nitrous oxide from the Arabian Sea oxygen deficient zone
12.30-12.50	Damodar Shenoy	Variation of dissolved oxygen in the oxygen minimum zone of the Arabian Sea
12.50-13.10	Arvind Singh	Time-series analysis of dissolved oxygen and inorganic nutrients in the eastern Arabian Sea
13.10-14.00 Lunch		
Session II <u>Biogeochemical Processes</u> 14.00-16.00		
Time	Presenting Author	Title of the Presentation
14.00-14.25	Donald E. Canfield	The Bay of Bengal, an Oxygen Minimum Zone at a Tipping Point
14.25-14.50	Bo Thamdrup	The biogeochemistry of Golfo Dulce, an OMZ-like coastal basin
14.50-15.10	Satya Prakash	Oxycline Variability in the Northern Indian Ocean
15.10-15.30	Aurelian Paulmier	Remineralization versus preservation in the Oxygen Minimum Zone off Peru
15.30-15.50	Aninda Mazumdar	Sediment pore fluid chemistry in the oxygen minimum zone (OMZ) of the Eastern Arabian Sea
15.50-16.50	Tea Break + Poster Session 6-7 Posters	

Session III Biogeochemical Processes 16.50-18.00		
Time	Presenting Author	Title of the Presentation
16.50-17.15	Virginia Edgcomb	Evidence for needed new sampling technology for <i>in situ</i> water sample collection and preservation
17.15-17.40	Allan Devol	An N-isotope mass balance of the Eastern Tropical North Pacific Oxygen Minimum Zone
17.40-18.00	Carolyn Buchwald	Using Natural Abundance Stable Isotopes of Nitrate and Nitrite as Tracers for Nitrogen Cycling in the Eastern Tropical North Pacific

Day 2, December 4, 2016

Session IV Microbial Ecology and Communities 09.00-13.05		
Time	Presenting Author	Title of the Presentation
09.00-09.25	Steven J. Hallam	Size matters: describing changes associated to filter size cutoff in the microbial community structure of a seasonally anoxic fjord, Saanich Inlet.
09.25-09.45	Sean Crowe	High affinity microbial sulfide uptake and marine sulfur cycling
09.45-10.05	Carolin R. Loescher	N₂ fixation in Oxygen Minimum Zone (OMZ) waters
10.05-10.25	Anand Jain	Bacterial diversity and temporally stable bacterial community structure in the Arabian Sea oxygen minimum zone
10.25-10.45	Andrew R. Babbin	Anaerobic nitrite oxidation exceeds fixed nitrogen loss in the Pacific oxygen deficient zones
10.45-11.05	Parvathi Venu	Responses of viruses in the deoxygenated waters of the Northern Indian Ocean
11.05-11.25	Tea	
11.25-11.45	Koji Hamasaki	Distribution and phylogeny of anaerobic anammox-oxidizing (anammox) bacteria in a water column of the central Pacific Ocean
11.45-12.05	Montserrat Aldunate	Nitrogen assimilation in <i>Prochlorococcus</i> inhabiting the Anoxic Marine Zone of the Eastern Tropical South Pacific.
12.05-12.25	Curtis Deutsch	Microbial functional diversity alters the structure and sensitivity of oxygen deficient zones.
12.25-12.45	Mónica Beltrán	Exploring methanotrophic community composition and dynamics along redox gradients in a seasonally anoxic fjord, Saanich Inlet.
12.45-13.05	Samir Damare	How similar are the bacterial communities in OMZs of Arabian Sea and Bay of Bengal?
13.05-14.00	Lunch	

Session V Omics of Deoxygenated Waters 14.00-15.05		
Time	Presenting Author	Title of the Presentation
14.00-14.25	Klaus Jürgens	Prokaryotic activities in the suboxic zone zone of the Black Sea as revealed by a metatranscriptomic analysis
14.25-14.45	Frank Stewart	Character studies in OMZs: single genome analyses highlight functional plasticity in novel clades of OMZ microbes
14.45-15.05	Osvaldo Ulloa	Metabolic potential of uncultivated microorganisms from anoxic marine zones as revealed by single-cell genomics
15.05-15.25	Amal Jayakumar	Diversity, distribution and gene expression of diazotrophs (nifH) in oxygen deficient waters
15.25-15.45	Michael Beman	Carbon and nitrogen cycling processes, genes, and organisms along oxygen gradients within and across (model) oxygen minimum zones: consistent, inconsistent, or consistently inconsistent?
15.45-16.45	Tea +Poster Session (6-7 posters)	

Session VI Modelling 16.45-17.50		
Time	Presenting Author	Title of the Presentation
16.45-17.10	Véronique Garçon	Multi-scale interactions in the OMZ off Peru: AMOP observations and modelling
17.10-17.30	Andreas Oschlies	Patterns of deoxygenation - how reliable are model projections?
17.30-17.50	Laura A. Bristow	Putting the puzzle pieces together: how substrate kinetics and oxygen inhibition control N loss in oxygen minimum zones

Day 3, December 5, 2016

Session VII Societal Impacts of Marine Deoxygenation 09.00-10.10		
Time	Presenting Author	Title of the Presentation
09.00-09.25	Gordon T. Taylor	Lessons from a Natural Laboratory for Ocean Deoxygenation: The Cariaco Basin
09.25-09.50	Sudhakar Maratadu	Perspectives of coastal hypoxia on demersal fish landings along the west coast of India
09.50-10.10	Judith Gonsalves	Ecological characterization of major microbial groups as drivers and responders in the OMZ of Arabian Sea
10.10-10.30	Venkatesan Ramasamy	Challenges in real-time data collection
10.30-10.50	Ramaiah Nagappa	Coastal Hypoxia and Blue Economy
10.50-11.40	Tea + Poster Session (8 posters)	
11.40-13.00	Valedictory Function and Closing	