

MMEG Programme

Thursday 14th December

	12:00	Registration & Lunch
	12:50	Welcome & Introduction
Session 1 - Marine and sediment microbial ecology		
Section chair: Ian Lidbury, University of Warwick		
1	13:00	Michael Carter-Gates Marine Biological Association An Omics approach to Arctic ecosystem robustness
2	13:15	Kimberley Bird Marine Biological Association Carboxydovory in the ecologically-relevant model marine bacterioplankton <i>Ruegeria pomeroyi</i> DSS-3
3	13:30	Benjamin Gregson University of Essex The obligate marine hydrocarbonoclastic bacterium <i>Thalassolituus oleivorans</i> MIL-1 switches between terminal and subterminal oxidation of n-alkanes depending on hydrocarbon chain length
4	13:45	Jack Dickenson Marine Biological Association The role of NADPH oxidase in the production of extracellular reactive oxygen species by marine diatoms
5	14:00	Robyn Wright University of Warwick Artificial ecosystem selection for marine polymer degradation
6	14:15	Ahmed Nawaz The Open University Effect of plastics on marine bacterial community composition
14:30-15:00 Coffee & visit trade stands		
Section chair: Kata Farkas, Bangor University		
7	15:00	Giacomo Salvatore Mario Vitali Queen Mary University of London Biogeography of thermophilic endospore forming bacteria in Arctic fjord sediments
8	15:15	Lloyd Potts University of Aberdeen Effect of community origin depth and hydrocarbon substrate on marine bacterial consortia composition and hydrocarbon biodegradation rates
9	15:30	Harriet Dale Marine Biological Association Invertebrate mucopolysaccharide fuels the sediment microbial nitrogen cycle
10	15:45	Muhammad Farhan ul Haque University of East Anglia Facultative methanotrophs are abundant in natural gas seeps
11	16:00	Hannah Laeverenz Schlogelhofer University of Cambridge Carbon dynamics in an algal-bacterial mutualism
12	16:15	Jennifer Holden University of Warwick Using Next Generation Sequencing to reveal human impact on aquatic reservoirs of antibiotic resistant bacteria at the catchment scale
16:30-17:00 Coffee & visit trade stands		
Section chair: Helen Jones, University of Warwick		
13	17:00	Richa Kumari University of East Anglia Spatio-temporal distribution, community composition, and potential metabolic activity of rare and abundant bacteria in an urbanised Mediterranean Sea coastal zone
14	17:15	Slawomir Michniewski University of Warwick Marine bacteriophages: important players in antibiotic resistance gene transfer?

Session 2 - Biodegradation

15	17:30	Karl Skeels Naphthenic acid degradation by <i>Pseudomonas</i> spp. in lab-scale bioreactors	University of Essex
16	17:45	Denise Bachmann Temporal changes of the <i>Brassica napus</i> L. microbiome with focus on chloromethane fluxes and increasing soil salt concentrations	Leibniz Centre for Agricultural Landscape Research
17	18:00	Elizabeth Court Biological and synthetic biology application to fogs in wastewater	University of Sheffield
18	18:15	Richard Fetherston Comparative and functional genomics of methylated sulfur compound metabolism in bacteria	University of Warwick
19	18:30	James Delaney Synergistic and antagonistic effects of copper and titanium on heavy metal tolerance and antibiotic resistance in environmental <i>Paenibacillus</i> species derived from historically metal-polluted soils	Swansea University
	18:45	Business Meeting and evening information	

	19:30	Evening meal @ Slate	
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Friday 15th December

Session 3 - Soil, rhizosphere and phyllosphere microbial ecology

Section Chair: Elizabeth Court, University of Sheffield

20	09:00	Mallory Diggins Identification, ecology and function of <i>Armillaria</i> species associated with oak in Britain	Bangor University
21	09:15	Jeremy Puissant Are soil enzyme activities locally adapted to the soil environment?	Centre for Ecology and Hydrology
22	09:30	George Lund Dissecting the mechanisms of <i>Septoria tritici</i> blotch disease antagonism by <i>Pseudomonas fluorescens</i>	Rothamsted Research
23	09:45	Nasmille Liceth Mejia Florez From soils to leaves: Broadening our knowledge on terrestrial isoprene-degrading bacteria	University of East Anglia
24	10:00	Amy Newman Getting to the root of the issue: circadian rhythms in the rhizosphere microbiome	University of Warwick
25	10:15	Axel Aigle Soil ammonia oxidisers: an embarrassment of richness?	University of Aberdeen

10:30-11:00 Coffee & visit trade stands

Section Chair: Nasmille Liceth Mejia Florez, University of East Anglia

11:00-11:35 Keynote lecture: Prof. Ian Head

To infinity and beyond or back to the future: microbial ecology in a high throughput world

26	11:35	James Doonan Distinguishing pathogen from symbiont in the acute oak decline pathobiome	Bangor University
27	11:50	Aimeric Blaud Effect of land use intensity on soil microbial functions	Rothamsted Research
28	12:05	Neil A. Holmes Microbial warfare in the nest of leafcutter ants	University of East Anglia
29	12:20	Jake Terry Newitt Investigating the molecular mechanisms of plant root colonisation by <i>Streptomyces</i> spp.	University of East Anglia

12:35-13:30 Lunch & visit trade stands

Session 4 - Synthetic communities/Environmental viruses

Section Chair: Eleanor Jameson, University of Warwick

30	13:30	Briony Jones Centre for Ecology and Hydrology Beyond taxonomic ID: integration of ecological traits to bespoke marker gene databases
31	13:45	Kata Farkas Bangor University Evaluation of the infectivity of noroviruses in the water environment
32	14:00	Dominic Brinkworth Swansea University Bioengineering of <i>Saccharomyces cerevisiae</i> to produce beta-amyrin
33	14:15	Ahmad Ali Garziz Bangor University Totiviruses, parasites and everything else
34	14:30	Chiara Borsetto University of Warwick Bacteroidetes: potential for novel antibiotics
35	14:45	Mohammed A. S. Alshahrani Bangor University Malaria infection induced by oral inoculation of <i>Plasmodium</i> parasites
36	15:00	Sarah Worsley University of East Anglia The chemical ecology of <i>Streptomyces</i> -plant root interactions
37	15:15	Yizhu Zhu Queen Mary University of London Does warming enhance methanogenesis over methanotrophy?
	15:30	Closing remarks and speaker awards
Conference Ends		