

Poster presentations of MTB 2018 meeting

Poster number	Author	Title
Poster #1	S. Sannigrahi	Development of magnetosome based biosensor for the detection of O-polysaccharide in <i>Escherichia coli</i> (O55: B5)
Poster #2	A. Fernández-Castané	The study of physiological responses to changing environmental conditions in <i>Magnetospirillum gryphiswaldense</i> MSR-1 facilitates the establishment of a magnetosome biomanufacturing platform
Poster #3	V. Raguraman	Comparative studies on functionalization of magnetosomes for drug delivery
Poster #4	F. Alberto	Glycosylate and move: Maf is a glycosyltransferase involved in the glycosylation of the flagellin of <i>Magnetospirillum magneticum</i> AMB-1
Poster #5	H.C. McCausland	Global analysis of genes required for biomineralization in <i>Magnetospirillum magneticum</i> AMB-1
Poster #6	D. Gandia	Magnetotactic bacteria as hyperthermia agents
Poster #7	C. Wagner	Magnetofossil, magnetic particle, and microfossil assemblages in a subtropical coastal environment: environmental change across the Paleocene-Eocene Thermal Maximum
Poster #8	H. Trujillo	Dissecting the physiological relevance and mechanism of ferrosome formation in <i>Rhodopseudomonas palustris</i> CGA009
Poster #9	S. Nakano	The discovery and comparative genomics of magnetosome-bearing bacteria from a deep-sea metal sulfide chimney
Poster #10	H. Pan	Comparison of the diversity of magnetotactic bacteria between two seamounts
Poster #11	T. Xiao	Isolation, cultivation and genomic analysis of a novel spirillum marine magnetotactic bacteria belonging to <i>Methylocystaceae</i>
Poster #12	W. Zhang	Diversity and characterization of multicellular magnetotactic prokaryotes from coral reef habitats of the Paracel Islands, south China sea
Poster #13	C. Bickley	Temporal localization dynamics of important magnetosome proteins
Poster #14	V.V. Russell	Identifying the genes responsible for the irregular bullet shaped magnetite crystals synthesized in <i>Desulfovibrio magneticus</i> RS-1
Poster #15	T. Song	Effect of <i>amb0994</i> gene on the magnetotactic behavior in <i>Magnetospirillum magneticum</i> AMB-1
Poster #16	J. Wang	Biomimetic synthesis of magnetosome based on magnetotactic protein Mms6
Poster #17	L. Abelmann	Long term observation of a single magneto-tactic bacteria inside a microfluidic channel
Poster #18	N. Korkmaz	Real time monitoring of magnetic properties of magnetotactic bacteria during culture growth
Poster #19	N. Korkmaz	Surface functionalization of magnetotactic bacteria with streptavidin coated microparticles
Poster #20	X. Murgia	Exploring the potential of MC-1 magneto-tactic bacteria as carriers for mucosal drug delivery

Poster #22	S. Kulusheva	The role of magnetite-associated protein in magnetite formation
Poster #23	F. Mathon	Trapping magnetotactic bacteria from natural environments
Poster #24	S. Staniland	Biomimetic and biokleptic synthesis of magnetic nanoparticles and arrays inspired by magnetic bacteria
Poster #25	B. Ryu	Investigation of motility and thermotaxis of <i>Magnetococcus marinus</i> (MC-1) as a function of environmental stimuli
Poster #26	S. Iwata	Artificial polarity-reversal of bacterial magnetic compass
Poster #27	D. Matsunaga	Clustering of magnetotactic bacteria in a microchannel
Poster #28	L.M. Alekseeva	The influence of physicochemical factors on magnetotactic bacteria affiliated with phylum <i>Nitrospirae</i> from different aquatic environments
Poster #29	V.V. Koziaeva	Freshwater magnetotactic coccus UR-1 from Uda river
Poster #30	M.I. Nadтока	<i>Magnetospirillum kuznetsovii</i> LBB-42 is novel magnetotactic spirillum
Poster #31	R. Ji	Ecophysiology and biomineralization of magnetotactic bacteria as revealed by NanoSIMS and single-cell genomics
Poster #32	S. Preveral	Targeted thermal therapy with genetically engineered magnetite magnetosomes@RGD: Photothermia is far more efficient than magnetic hyperthermia
Poster #33	G. Adryancyk-Perrier	Optimization of lysis of magnetotactic bacteria by ultrasound in order to automate purification of magnetosomes
Poster #34	Y. Eguchi	pH imaging in living prokaryotic cells and organelles using pH-sensitive fluorescent protein
Poster #35	Y. Ichinaka	Imaging of living bacterial cell surface structures using high-speed atomic force microscopy
Poster #36	Y. Kikuchi	Characterization of MamK polymerization using high-speed atomic force microscopy
Poster #37	M. Omura	Subcellular localization of MamQ in <i>Magnetospirillum magneticum</i> AMB-1
Poster #38	Y. Takaoka	Live-cell imaging of flagellar rotation during magnetotactic motility
Poster #39	I. Yamazaki	Functional analyses of MamJ which is cytoskeleton associating protein for magnetosome positioning
Poster #40	K. Fujimoto	Modification of phospholipid composition of magnetosomes by employing phosphatidylcholine synthase in magnetotactic bacteria
Poster #41	S. Tayama	Functional expression of transmembrane receptors on magnetic nanoparticles through a magnetosome-display system
Poster #42	T. Yoda	Iron uptake and magnetosome formation abilities in MAI deletion mutant and genetically modified strain carrying multiple sets of MAI genes
Poster #43	K. Arai	Adsorption study of Mms6 and Mms7 to iron oxide magnetic nanoparticles