



10th International Conference on the Scientific and Clinical Applications of Magnetic Carriers - Dresden, Germany

Poster Presentations (in alphabetical order by first author)

Poster List Final - May 25, 2014

#	First Author		Poster Title	Presenting Author	
1	Adumeau	Laurent	Bioconjugation of multimodal nanoprobe for molecular imaging of vulnerable atherosclerosis plaques	Adumeau	Laurent
2	Ahrentorp	Fredrik	Effective particle magnetic moment of multi-core particles	Johansson	Christer
3	Al Akras	M Ali	Continuous and delayed photohemolysis sensitized with methylene blue and iron oxide particles	Al Akras	M Ali
4	Al-Kaidy	Huschyar	Use of superhydrophobic magnetite particles to build reaction capsules for lab-on-a-chip systems in microliter scale	Al-Kaidy	Huschyar
5	Andreu	Irene	Heating ability of cobalt ferrite nanoparticles showing dynamic and interaction effects	Andreu	Irene
6	Antal	Iryna	Aliskiren-loaded magnetic labelled PLA nanospheres for hypertension treatment	Antal	Iryna
7	Aurich	Konstanze	Evaluation of in vivo imaging of magnetically labelled blood cells	Aurich	Konstanze
8	Bahadur	Dhirendra	Bio-polymer stabilized Fe ₃ O ₄ -graphene as an amphiphilic drug carrier for thermo-chemotherapy of cancer	Bahadur	Dhirendra
9	Baker	Ian	Dartmouth center for cancer nanotechnology excellence: Magnetic hyperthermia	Baker	Ian
10	Balasoïu	Maria	Biogenic nanoparticles produced by bacteria <i>klebsiella oxytoca</i> : structural investigations	Balasoïu	Maria
11	Baldikova	Eva	Magnetically modified straw for dyes removal	Baldikova	Eva
12	Becnel	Andrew	Nondimensional scaling of magnetorheological rotary shear mode devices using the mason number	Becnel	Andrew
13	Bednarikova	Zuzana	Poly(lactide) nanoparticles loaded with albumin modified magnetite depolymerize insulin amyloid fibrils	Bednarikova	Zuzana
14	Belousov	Andrey	Preparation of nanotechnology as magnetically-resonant contrasting means during visualization of malignant tumour	Belousov	Andrey
15	Belousov	Andrey	Reduced of erythrocyte destruction by means of magnetite nanoparticles (MCS-B)	Belousov	Andrey
16	Benelmekki	Maria	Stable colloidal suspension of Fe-Ag nanoparticles encapsulated by an amorphous Si shell prepared by inert-gas-condensation method	Benelmekki	Maria
17	Berenguel-Alonso	Miguel	Magnetic actuator for the control and mixing of magnetic bead-based reactions on-chip	Berenguel-Alonso	Miguel
18	Berrin	Saracoglu	3D formation of cancer stem cells within MCF-7 derived mammospheres and hyperthermia treatment	Berrin	Saracoglu
19	Beyk Beyk	Tina	Effect of precipitation agent on morphology of Fe ₃ O ₄ nanoparticles in hydrothermal process	Ghasemi	Ebrahim
20	Blanco-Andujar	Cristina	Highly controllable microwave synthesis of biocompatible iron oxide nanoparticles with tailored magnetic relaxation properties	Blanco-Andujar	Cristina
21	Bleul	Regina	Continuously manufactured magnetic polymersomes - A further step towards theranostics	Bleul	Regina
22	Bokharaei	Mehrdad	Thermal properties of magnetic microspheres	Bokharaei	Mehrdad
23	Bokharaei	Mehrdad	Encapsulation of Hydrophilic and Lipophilic Magnetic Nanoparticles in PLA Microspheres using a Microfluidics Chip	Bokharaei	Mehrdad
24	Boskovic	M.	Magnetic human serum albumin microspheres as a possible radionuclide delivery platform in cancer therapy	Antic	Bratislav
25	Boudon	Julien	Multimodal imaging platforms based on SPIONs	Millot	Nadine
26	Bouremana	Ahmed	Synthesis of nickel urchin-like chain: Structural, microstructural and magnetic studies	Bouremana	Ahmed
27	Branca	Marlene	Different ways to transfer iron nanoparticles into water: Towards MRI T2 contrast agents of increased efficiency	Branca	Marlene
28	Brezovan	Diana	Preliminary study regarding the solar protector factor of magnetic nanocompounds	Brezovan	Diana
29	Brintakis	Konstantinos	Multitasking iron oxide magnetic nanoclusters for diagnosis and medical treatment	Brintakis	Konstantinos
30	Brusentsov	Nikolay	Dextran-ferrite magnetic nanoparticles contrast-enhanced MRI and combined magneto-thermochemotherapy cancer treatment	Komissarova	Lubov
31	Buliakova	Barbora	The surface-modified magnetite nanoparticles induce ERK1/2, SAPK/JNK and p53 phosphorylation in A549 cells	Buliakova	Barbora
32	Buske	Norbert	Theranostic potential of ferrofluids containing modified ultra small magnetic particles (USPIO-FF)	Dutz	Silvio
33	Cabrera	David	Experimental determination of dynamical hysteretic processes in superparamagnetic iron oxide nanoparticles	Cabrera	David
34	Cannas	Carla	Strategies in the design of colloidal low and high porosity silica-based magnetic nanoarchitectures	Cannas	Carla

#	First Author		Poster Title	Presenting Author	
35	Cargou	Sébastien	An integrated magnetic planar actuator redefining multilevel (3D) microfluidic strategies	Cargou	Sébastien
36	Celikkin	Nehar	Labelling of dendritic cells with polyelectrolyte-coated ferumoxytol nanoparticles for tracking by magnetic resonance imaging	Celikkin	Nehar
37	Chakraborty	Sourav	Synthesis of magnetic polystyrene nanoparticles using amphiphilic ionic liquid stabilized RAFT mediated miniemulsion polymerization	Chakraborty	Sourav
38	Chanhom	Padtaraporn	Magnetite-silica-titania nanocomposites and their photocatalytic activities	Insin	Numpon
39	Cheraghipour	Elham	Nanoparticles of conjugated methotrexate-cationic human serum albumin-superparamagnetic iron oxide: Synthesis, characterization	Cheraghipour	Elham
40	Chernenco	Yulia	Study of aggregation of magnetic microcarrier based on SiO ₂ by NMR relaxometry and conductometry	Gareev	Kamil
41	Chiriac	Horia	In vitro cytotoxicity of biocompatible Fe-Cr-Nb-B magnetic nanoparticles against human osteosarcoma cancer cells under high frequency	Chiriac	Horia
42	Conde-Leborán	Iván	Uniaxial vs. cubic magnetocrystalline anisotropy on the dosage-dependence hyperthermia properties of ferromagnetic nanoparticles	Conde-Leborán	Iván
43	Dähring	Heidi	Optimized treatment planning of tumors under consideration of magnetic nanoparticle distribution using microCT	Dähring	H.
44	De Matteis	Laura	Nanostructural characterization of bio-magnetic cobalt ferrite-alginate nanospheres	De Matteis	Laura
45	de Paula	Leonardo	Combination of the hyperthermia and photodynamic therapy on cancer treatment using target delivery chloroaluminum phthalocyanine	Tedesco	Antonio
46	Debbeler	Christina	Micro CT-based determination of ferrofluid iron concentration	Debbeler	Christina
47	Dedourkova	Tereza	Preparation of manganese perovskite magnetic nanoparticles and their mechanical treatment	Dedourkova	Tereza
48	Dennis	Cindi	Determination of magnetic property distributions through first order reversal curves (FORC)	Dennis	Cindi
49	Dieckhoff	Jan	Single-core magnetic markers in rotating magnetic field based homogeneous bioassays and the law of mass action	Dieckhoff	Jan
50	dos Santos	Jucély	One pot synthesis of magnetic chitosan loaded with tryptophan	dos Santos	Jucély
51	Dutz	Silvio	FexOy nanopowders prepared by CO ₂ laser vaporization - Control of crystal phase composition	Dutz	Silvio
52	Dutz	Silvio	Formation of a protein corona around magnetic nanoparticles after administration into a biological system	Dutz	Silvio
53	Dvorakova	Veronika	Innovative approach for quantum dots antibody labeling based on antigen-modified magnetic particles	Dvorakova	Veronika
54	Dynes	Jake	A novel code for simulation of magnetic carrier laden fluids with structure dependent rheology in blood vessels	Yecko	Philip
55	Eamegdool	Steven	Iron oxide nanoparticles as multi-functional probes for tracking human foetal neural stem cells	Pham	Binh
56	Eberbeck	Dietmar	Magnetic behaviour of DDM128 in agarose gel, gelatine and sugar matrix	Eberbeck	Dietmar
57	El Hajj Diab	Darine	High-frequency magnetic field induced cell death in endocrine tumors cells targeted by magnetic nanoparticles	El Hajj Diab	Darine
58	Esposito	Tullio	CpG ODN coated magnetic nanoparticles have augmented activity via toll-like receptor 9 (TLR9) and potential vaccine applications	Esposito	Tullio
59	Fal	Timothy	Chain formation rates for magnetic nanoparticles	Fal	Timothy
60	Feng	Yinglong	Simulation and experimental investigation of the effects of high moment magnetic nanoparticles on the generation of local reversal	Feng	Yinglong
61	Fouet	Marc	A microfluidic magnetic hybrid actuator for advanced handling functions at cell resolution	Fouet	Marc
62	Gabbasov	Raul	Characterization of iron oxide SHP-type nanoparticles from ocean nanotech by Mössbauer, magnetization and x-ray diffraction methods	Gabbasov	Raul
63	Garaio	Eneko	Specific absorption rate dependence on temperature in magnetic field hyperthermia measured by dynamic hysteresis losses (AC magnetic)	Sandre	Olivier
64	Gasilova	Natalia	Magnetic beads as an immunosupport for component-resolved diagnostic of cow's milk allergy	Gasilova	Natalia
65	Ghasemi	Ebrahim	Agglomeration effect on the rheological properties of a Fe ₃ O ₄ ferrofluid	Ghasemi	Ebrahim
66	Gilbert	Richard	NGF releasing magnetic nanospheres - Moveable chemotactic gradients to direct neurite extension	Dutz	Silvio
67	Girod	Matthias	How temperature determines structure of maghemite nanoparticles: A small-angle X-ray scattering study	Thünemann	Andreas
68	Gitter	Kurt	Investigations on a branched tube model in magnetic drug targeting - Measurements and simulations with water and blood	Gitter	Kurt
69	Gogola	Daniel	Simulation and experimental study of magnetic fields generated by the magnetic nanoparticles using magnetic resonance imaging	Gogola	Daniel
70	Goloverda	Galina	Development of non-polymeric amphiphilic coating for metal oxide nanoparticles to be used as delivery and imaging agents	Goloverda	Galina
71	Gómez-de Pedro	Sara	Automatic microsystem for multi-step magnetic bead-based biochemical assays	Sara	Gómez
72	Gonzalez-Moragas	Laura	Initial evaluation of the interaction between iron oxide nanoparticles and <i>Caenorhabditis elegans</i>	Roig	Anna
73	Gorobets	Svitlana	Biom mineralization magnetic nanoparticles by human's bacterial symbionts	Gorobets	Svitlana
74	Gräfe	Christine	Cationic superparamagnetic iron oxide nanoparticles affect the survival-associated AKT-FOXO3 axis	Gräfe	Christine
75	Green	Luke	High pressure synthesis of FePt nanoparticles with controlled morphology and Fe content	Nguyen	Thanh
76	Green	Luke	Multicore magnetic FePt nanoparticles: Controlled formation and properties	Nguyen	Thanh
77	Grześkowiak	Bartosz	Nanomagnetic activation as a way to control efficacy of nucleic acid delivery	Mykhaylyk	Olga

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78	Gusenbauer	Markus	Magnetic particle dynamics in turbulent flow	Gusenbauer	Markus
79	Gutierrez	Fabiola	Characterization of individual superparamagnetic particles using a torsional molecular spring	Gutierrez	Fabiola
80	Gutiérrez	Lucía	Tuning magnetic and relaxometric properties of ferrihydrite	Gutiérrez	Lucía
81	Hachani	Roxanne	Development of novel functional magnetite nanoparticles for evaluation of human mesenchymal stem cell (hMSC) labelling in a tiss	Hachani	Roxanne
82	Heidsieck	Alexandra	Measurement of magnetic moment via optical transmission	Heidsieck	Alexandra
83	Heinke	David	Biogenic magnetite nanoparticles as new tracers for MPI and MRI	Heinke	David
84	Henrich	Franzsika	Heat transition during magnetic heating treatment: study with tissue models and simulation	Rahn	Helene
85	Henriksen	Anders	Optimization of magnetoresistive sensor current for on-chip magnetic bead detection using the sensor self-field	Henriksen	Anders
86	Herrera	William Trujilo	Synthesis and Characterization of Magnetite Nanoparticles Functionalized with Carboxyl and Amino acids for Biomedical and Enviror	Herrera	William Trujilo
87	Hirota	Noriyuki	Separation of the mixture of particles into individual component with the aid of magneto-archimedes separation	Hirota	Noriyuki
88	Hocine	Mustapha	X-ray diffraction, mössbauer and magnetic studies of (Fe ₇₀ Co ₃₀) _{100-x} Six nanostructured powders elaborated by mechanical alloyin	Hocine	Mustapha
89	Holubova	Lucie	Magnetic macroporous particles as an essential tool of multiparametric degradation approach for production of size-defined hyalurc	Holubova	Lucie
90	Horák	Daniel	Novel monodisperse carboxyl functionalized poly(ethylene glycol)-coated magnetic poly(glycidyl methacrylate) microspheres: Applic	Horák	Daniel
91	Huang	Charlie	Simple, water base protein conjugation and/or assembly of complex magnetic nanoparticles	Maeji	Nobuyoshi
92	Hunt	Haley	Measurement of the size effects on the biodistribution of polymer sterically stabilized magnetic nanoparticles	Hunt	Haley
93	Illés	Erzsébet	Novel carboxylated PEG-coating on magnetite nanoparticles designed for biomedical applications	Illés	Erzsébet
94	Injumpa	Wishulada	Synthesis of magnetite-silica-PPEGMA nanocomposite size series for drug delivery applications	Injumpa	Wishulada
95	Jain	Nirmesh	The steric stabilization of magnetic nanoparticles is crucial for hyperthermia applications	Jain	Nirmesh
96	Jouhannaud	Julien	Detection of dendronized superparamagnetic nanoparticle using gradiometer induction sensors for intraoperative localization of the	Pourroy	Geneviève
97	Kačenka	Michal	Transverse relaxivity of silica coated manganite nanoparticles: The effects of composition and size	Kačenka	Michal
98	Kashevsky	Bronislav	Magnetic hyperthermia with high-coercivity nanoparticles	Kashevsky	Bronislav
99	Kim	Jongsik	Development of an intravascular magnetomotive optical coherence tomography system	Kim	Jongsik
100	Kistrup	Kasper	Liquid carry-over in an all-polymer chip system for magnetic bead-based solid phase extraction	Kistrup	Kasper
101	Kitenbergs	Guntars	Magnetic particle mixing with magnetic micro-convection for microfluidics	Kitenbergs	Guntars
102	Klein	Todd	Domain nucleation array and its interaction with magnetic nanoparticles	Klein	Todd
103	Klein	Stefanie	Iron oxide nanoparticles for radiation therapy	Klein	Stefanie
104	Knopke	Christian	Numerical simulation of different dipole-dipole-interaction models and their influence on temperature dependent magnetorelaxom	Knopke	Christian
105	Koktan	Jakub	Hybrid silica coated magnetic nanoparticles decorated with gold	Koktan	Jakub
106	Kolesnichenko	Vladimir	NMR relaxivity studies on surfactant-free superparamagnetic iron oxide nanoparticles: The effect of particle size, magnetization and	Kolesnichenko	Vladimir
107	Kolokithas-Ntoukas	Argiris	Condensed colloidal magnetite nanocrystal clusters for theranostic applications	Bakandritsos	Aristides
108	Kolokithas-Ntoukas	Argiris	Design and evaluation of epitaxially condensed colloidal nanocrystal clusters with superior magnetic properties for biomedical appli	Kolokithas-Ntoukas	Argiris
109	Komissarova	Lubov	Anti-tumor activity of hemin immobilized on magnetic microparticles	Komissarova	Lubov
110	Komissarova	Lubov	Possibility of using a new magnetic carbon sorbent as doxorubicin carrier	Gorbunova	Nellya
111	Koneracka	Martina	Magnetic fluids optimization for contrast enhancement in magnetic resonance imaging	Koneracka	Martina
112	Kopcansky	Peter	Destroying activity of magnetoferritin on lysozyme amyloid fibrils	Kopcansky	Peter
113	Koralewski	Marceli	Magneto-optical investigation of ferritin iron uptake and release	Koralewski	Marceli
114	Krafcik	Andrej	Computational analysis of magnetic field induced deposition of magnetic particles in lung alveolus in comparison to deposition prod	Krafcik	Andrej
115	Kralj	Slavko	Magnetic assembly of superparamagnetic nanoparticle clusters into peapod-like structures	Kralj	Slavko
116	Krämer	Florian	Colloidal stability of silica-encapsulated ni nanorods in moderate electrolytes and their biocompatibility to human brain microvascul	Krämer	Florian
117	Kubovcikova	Martina	Preparation, stability and biocompatibility of magnetic fluid modified by poly(ethylene glycol)	Kubovcikova	Martina
118	Kucerova	Jana	Magnetic beads-based DNA extraction: Different techniques compatible with PCR and microfluidic systems	Kucerova	Jana
119	Kulkarni	Sandip	Quantifying the motion of magnetic nanoparticles through liver, kidney and brain tissues	Lamar	Mair
120	Kumari	Monika	Assessing superparamagnetic iron oxide nanoparticles with first order reversal curves	Kumari	Monika

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121	Kuznetsov	Oleg	Carbon-encapsulated iron nanoparticles for hyperthermia and other biomedical applications	Kuznetsov	Oleg
122	Lak	Aidin	Resolving particle size modality in iron oxide based magnetic ferrofluids using dynamic and static magnetic measurements	Lak	Aidin
123	Lamrani	Sabrina	X-ray diffraction and magnetic studies of permalloy thin films grown by evaporation	Lamrani	Sabrina
124	Landgraf	Lisa	High biocompatibility of asymmetric gold at iron oxide nanoparticles with excellent properties as drug carriers and for multimodal in	Landgraf	Lisa
125	Leitgeb	Maja	Toxicity of magnetic chitosan micro and nanoparticles as carriers for biologically active substances	Leitgeb	Maja
126	Li	Wensong	Rapid and large-scale separation of magnetic nanoparticles by low-field permanent magnet with gas assistance	Yang	Liangrong
127	Liebl	Maik	A rabbit sized phantom for validation of magnetic nanoparticle imaging	Liebl	Maik
128	Liu	Peng	Preparation and characterization of monodisperse magnetic microspheres using a T-shaped microchannel reactor	Liu	Peng
129	Löwa	Norbert	Detecting changes during cellular uptake of magnetic nanoparticles using magnetic particle spectroscopy	Löwa	Norbert
130	Löwa	Norbert	Hydrodynamic and magnetic fractionation of magnetic nanoparticles for MPI	Löwa	Norbert
131	Lüdtke-Buzug	Kerstin	Development of SPION-coatings for visualization of surgical instruments in magnetic particle imaging	Lüdtke-Buzug	Kerstin
132	Lunov	Oleg	Novel insight into mechanism of magnetic field action on cells with internalized nanoparticles	Lunov	Oleg
133	Lupu	Nicoleta	Novel Fe-ETM-Nb-B (ETM = Ti, Ta, Mn) glassy alloys for use in magnetic hyperthermia	Lupu	Nicoleta
134	Macková	Hana	Investigation of oxidative stress of colloidal stable polymer-modified iron oxide nanoparticles and their anti-tumor activity	Macková	Hana
135	Maderova	Zdenka	The use of complex magnetic biomaterial for decreasing pseudomonas aeruginosa biofilm formation	Maderova	Zdenka
136	Mair	Lamar	Single-aperture microshell nanoparticles TM for controlled CNS drug delivery	Mair	Lamar
137	Mandal	Swapan	Enhanced magnetic and size dependent properties of oleic acid stabilized BiFeO ₃ nanocrystals at room temperature	Mandal	Swapan
138	Mardinoglu	Adil	Modelling the size of SPIONs in stent assisted magnetic drug targeting applications	Mardinoglu	Adil
139	Martins	Murillo	Characterization with X ray and neutron scattering techniques of a magnetic bio-nanocomposite to be used in the treatment of brea	Martins	Murillo
140	Matuszak	Jasmin	Accumulation of circulating superparamagnetic iron oxide nanoparticles (SPIONs) in endothelial cells: Effects on endothelial viability	Matuszak	Jasmin
141	Meffre	Anca	Novel route of water soluble iron based nanoparticles for magnetic hyperthermia	Meffre	Anca
142	Melnikova	Lucia	Structural properties of magnetoferritin by small angle X-rays and neutrons scattering methods	Melnikova	Lucia
143	Mertz	Damien	Protein micro/nanoparticles assembled via isobutyramide groups	Mertz	Damien
144	Mihesan	Claudia	Formation by LAL and characterization of citric acid-coated iron oxide nanoparticles	Mihesan	Claudia
145	Mischenko	Ilya	Mössbauer evaluation of the interparticle magnetic interactions within the magnetic hyperthermia beads	Mischenko	Ilya
146	Mitamura	Yoshinori	Effects of a high gradient magnetic field on flowing erythrocytes in a hollow fiber membrane oxygenator	Mitamura	Yoshinori
147	Moise	Sandhya	A study of the cellular-nanoparticle interactions and assessment of the magnetic response of novel bacterially synthesized substituti	Moise	Sandhya
148	Mojica-Pisciotti	Mary	In vitro and in vivo experiments with functionalized SPIONs for medical applications	Mojica-Pisciotti	Mary
149	Mojica-Pisciotti	Mary	Iron oxide nanoparticles: An experimental study on the magnetic heating effect	Mojica-Pisciotti	Mary
150	Molcan	Matus	Energy losses in bacterial magnetosomes as potential hyperthermia material	Molcan	Matus
151	Moore	Lee	Design of a continuous biomagnetic algae harvester	Moore	Lee
152	Muela	Alicia	Hyperthermia response of magnetosomes extracted from magnetospirillum gryphiswaldense strain MSR-1	Fdez-Gubieda	M. Luisa
153	Müller	Robert	Optical detection of nanoparticles in a living system under the influence of a magnetic	Müller	Robert
154	Murakami	Makoto	Magnetic iron oxide nanoparticles having high AC-susceptibility	Murakami	Makoto
155	Mykhaylyk	Olga	Colloidal stability and magnetophoretic mobility of the silica iron oxide magnetic nanoparticles and their assemblies for gene deliver	Mykhaylyk	Olga
156	Nantz	Michael	Amf-induced release of iron oxide-bound substrates via cyclization of thermally responsive amino-carbonates and -carbmates	Nantz	Michael
157	Narayanasamy	Kaarjel	Improving transfection efficacy using nanoparticles inmagnet-assisted gene delivery	Dobson	Jon
158	Naserimohajad	M. Mehdi	Design of High Frequency Magnetic Hyperthermia System for Human Cancer Treatment using Superparamagnetic Nano Particles	Naserimohajad	M. Mehdi
159	Natividad	Eva	Why measuring SAR in function of temperature may result useful and/or interesting	Natividad	Eva
160	Nehilla	Barrett	Rapid and controlled transition of magnetic nano- to micro-particles: A useful feature for bioseparations	Nehilla	Barrett
161	Nemala	H.	Investigation of magnetic properties of Fe ₃ O ₄ nanoparticles using temperature dependent magnetic hyperthermia in ferrofluids	Vaishnava	Prem
162	Nesztor	Dániel	Controlled clustering of PAM-coated superparamagnetic iron oxide nanoparticles through PEI	Nesztor	Dániel
163	Neubert	Jenni	Effects of different superparamagnetic iron oxide nanoparticles on murine primary brain cells	Neubert	Jenni

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164	Niehaus	Jan	Controlled clustering and functionalization of SPIOs	Niehaus	Jan
165	Nikolaev	Boris	Instrumental approach for analysis of protein function in magnetic nanocarriers: 31P NMR study of atpase cycle of heat shock prote	Nikolaev	Boris
166	Nikolaev	Boris	Modelling of NMR relaxation immunoanalysis using superparamagnetic complement system: interferon-immunonanomarker	Nikolaev	Boris
167	Ooi	Chin Chun	Design for highly parallel and uniform magnetic cell separation	Ooi	Chin Chun
168	Orlov	Alexey	Express dry-reagent bioassay based on detection of magnetic nanoparticles from the entire volume of 3D structures	Orlov	Alexey
169	Ota	Satoshi	Differences between Brownian and Néel relaxation properties evaluated by AC susceptibility measurements	Ota	Satoshi
170	Pacakova	Barbara	Balanced nanoparticle spin disorder for enhancement of cancer treatment	Pacakova	Barbara
171	Palma	Susana	A new fucose rich bacterial exopolysaccharide for SPION stabilization	Palma	Susana
172	Pardowitz	Johannes	Field induced cluster formation detected by nuclear magnetic resonance	Pardowitz	Johannes
173	Parr	Marina	Electro-optical and DLS study of interaction between magnetic nanoparticles conjugated to Hsp70 and its antibodies	Parr	Marina
174	Payer	Petra	Mild magnetic separation of circulating tumour cells	Payer	Petra
175	Pivetal	Jeremy	Selective micro-patterning of microbial cells onto micro-magnet arrays for single cell analysis	Pivetal	Jeremy
176	Polikarpov	Mikhail	Mössbauer study of biodegradation of polymer coated magnetic beads	Polikarpov	Mikhail
177	Polikarpov	Dmitry	Mössbauer study of exogenous iron redistribution between the brain and the liver after administration of ferrofluid in the ventricle	Polikarpov	Dmitry
178	Pombo Garcia	Karina	Zwitterionic-coated ultrasmall iron oxide nanoparticles for magnetic resonance imaging	Pombo Garcia	Karina
179	Pömpner	Nadine	Uptake and cytotoxic effects of methotrexate coupled magnetic nanoparticles in different breast cancer cell lines for multimodal tre	Pömpner	Nadine
180	Pospiskova	Kristyna	Low-temperature postmagnetization of sensitive biological materials	Pospiskova	Kristyna
181	Prabu	Chakrapani	Encapsulation of methotrexate magnetic microcapsules for targeted rheumatoid arthritis therapy	Latha	Subbiah
182	Prabu	Chakrapani	Formulation optimisation and evaluation of prednisolone loaded magnetic shells	Selvamani	Palanisamy
183	Puddu	Michela	Stable and inert DNA/silica encapsulates with magnetic cores as tracing/tagging tools	Puddu	Michela
184	Pyanzina	Elena	Influence of magnetic interparticles interaction on the macroscopic behavior of magnetic fluids	Pyanzina	Elena
185	Pyshnyi	Michael	Multi-beam ultrasonic doppler imaging technique improves sensitivity and spatial resolution of visualization of magnetic micro- and	Pyshnyi	Michael
186	Qiuyu	Zhang	Fabrication and characterization of 1 D polymer magnetic nanochains with thermal and ph response for controlled drug release	Qiuyu	Zhang
187	Radon	Patricia	Magnetic particle spectroscopy for real-time quantification of magnetic nanoparticles in a flow phantom	Radon	Patricia
188	Radović	Magdalena	Multifunctional 90Y-labelled Fe3O4-PEG600 nanoparticles for possible application in combined radionuclide-magnetic hyperthermia	Radović	Magdalena
189	Raikher	Yuriy	Modelling of magnetic nanoparticle hyperthermia with allowance for the néel and brown relaxation mechanisms	Raikher	Yuriy
190	Ramachandra Kurup	Arathiyram	Mussel inspired electrospun smart magnetic nanofibers for hyperthermic chemotherapy	Ramachandra K. S.	Arathiyram
191	Ramaswamy	Bharath	Chaining and movement of magnetic nanoparticles in brain tissue	Lamar	Mair
192	Remmer	Hilke	Suitability of magnetic single- and multi-core nanoparticles to detect protein binding with dynamic magnetic measurement techniq	Remmer	Hilke
193	Ruiz	Amalia	Biotransformation of magnetic nanoparticles as a function of the coating in a rat model	Ruiz	Amalia
194	Rümenapp	Christine	Detection of molecules and cells using magnetic resonance with magnetic nanoparticles	Rümenapp	Christine
195	Rümenapp	Christine	Monitoring of the aging of magnetic nanoparticles using moessbauer spectroscopy	Rümenapp	Christine
196	Sader	Maha	Use of magnetic nanoparticles functionalized with an antagonist of nucleolin named NUCANT 6L for therapy and diagnosis of breast	Sader	Maha
197	Sakellari	Despoina	Exploring multifunctional potential of commercial ferrofluids by magnetic particle hyperthermia	Sakellari	Despoina
198	Sanchez-Antequera	Yolanda	Magnetofection technology for efficient mRNA delivery to somatic cells	Sanchez-Antequera	Yolanda
199	Schamber	Stefania	Iron oxide polyelectrolyte multilayer particles: Transport of sirna into cells	Schamber	Stefania
200	Scharfenberg	Dorothee	Directing nanoparticle-loaded brain cancer cells by a magnetic field	Scharfenberg	Dorothee
201	Schlenk	Florian	Biocompatibility testing of intravenously applied iron oxide contrast agents in vitro and ex ovo	Fischer	Dagmar
202	Schmidt	Daniel	Parameterization of the harmonic content of the complex MPI signal of magnetic tracers using a set of polynomial coefficients	Schmidt	Daniel
203	Schneider	Thomas	Facile microwave synthesis of uniform magnetic nanoparticles for magnetic drug targeting	Schneider	Thomas

#	First Author		Poster Title		Presenting Author
204	Schrittwieser	Stefan	Protein biomarker detection by a homogeneous label-free method based on rotational dynamics of hybrid magnetic nanorods	Schrittwieser	Stefan
205	Schumacher	Christoph	Quantitative recovery of magnetic nanoparticles from flowing blood: Trace analysis and the role of magnetization	Schumacher	Christoph
206	Seidel	Maria	Preparation and characterization of phantoms for imaging applications	Seidel	Maria
207	Senn	Nico	Assessing biodistribution of magnetic nanoparticles in mouse tissue using remanent saturation magnetization	Senn	Nico
208	Sergiu	Ruta	Theoretical study of magnetic hyperthermia: Investigation of superparamagnetic and hysteresis energy loss	Sergiu	Ruta
209	Shaw	Martin	Application of a novel magnetic immunoassay system to point of care diagnostics: Development and validation of a high sensitivity	Shaw	Martin
210	Shevtsov	Maxim	Functionalized superparamagnetic iron oxide nanoparticles (SPIONs) for diagnostics and therapy of malignant brain tumours	Shevtsov	Maxim
211	Shipunova	Victoria	Magnetic nanoparticles for imaging and quantitative analysis of the oncomarker HER2/neu expression on the cell surface	Shipunova	Victoria
212	Shubitidze	Fridon	Study of the heating mechanism of new type of magnetic nanoparticles with high specific absorption rate at low field strength	Shubitidze	Fridon
213	Siposova	Katarina	The molecular mass of dextran modifying magnetite nanoparticles affects destruction of insulin amyloid fibrils	Gazova	Zuzana
214	Skumiel	Andrzej	Advantages and disadvantages of different methods of temperature measurement in the magnetic fluid hyperthermia studies	Skumiel	Andrzej
215	Slabu	Ioana	Detection sensitivity of MRI and MPI for mesh implants with incorporated magnetic nanoparticles	Slabu	Ioana
216	Slabu	Ioana	Simulation of magnetic nanoparticle interactions in magnetic drug targeting models	Slabu	Ioana
217	Slomiński	Konrad	Influence of bsa concentration on acoustic properties of albumin-modified magnetic fluid	Jozefczak	Arkadiusz
218	Sobisch	Titus	Novel method for fast characterization of magnetic properties of particles and magnetic beads in centrifugal/magnetic field	Sobisch	Titus
219	Sodipo	Bashiru	Non-seeded synthesis and characterization of highly magnetic and ultra thin silica coated superparamagnetic iron oxide nanoparticles	Sodipo	Bashiru
220	Soukup	Dalibor	The use of AC-susceptometry for in vitro magnetic nanoparticle investigations	Soukup	Dalibor
221	Sousa	Marcelo	Magnetic hyperthermia of Mn _{1-x} CoxFe ₂ O ₄ nanoparticles prepared via hydrothermal high-pressure synthesis method	Sousa	Marcelo
222	Sprenger	Lisa	Continuous size-dependent separation of microspheres in human whole blood in microfluidic cascading spirals	Sprenger	Lisa
223	Sreekumari	Aparna	Anisotropy of magnetoviscous effect in strongly interacting ferrofluids	Sreekumari	Aparna
224	Stange	Robert	Electromagnetic sample-mixer - Biomagnetic separation with variable magnetic fields	Stange	Robert
225	Stapf	Marcus	Intravenously applied PEG nanoparticles for magnetic hyperthermia enrich mostly in liver and lungs	Stapf	Marcus
226	Steiner	Mark-Steven	High-purity enrichment of human hematopoietic stem cells utilizing MACS technology	Steiner	Mark-Steven
227	Stepanov	Victor	Theoretical aspects of AC susceptometry of magnetic nanoparticles in a suspension	Stepanov	Victor
228	Stone	Roland	Synthesis of a heterobifunctional polymer platform for tailored multimodal theranostic magnetic particles	Mefford	Thompson
229	Strbak	Oliver	A novel method for non-invasive iron oxide nanoparticles quantification using magnetic resonance imaging	Strbak	Oliver
230	Strbak	Oliver	Influence of saline and glucose molecules to contrast properties of clinically used MRI contrast agents	Strbak	Oliver
231	Sumari	Deborah	Magnetic cytosmear for specialized cytological analyses in global health and diseases	Sumari	Deborah
232	Syrovets	Tatiana	Swelling and apoptosis of monocytic leukemia cells in high gradient magnetic fields	Syrovets	Tatiana
233	Szczerba	Wojciech	Characterization of multicore superparamagnetic iron oxide nanoparticles using XAFS and SAXS	Thünemann	Andreas
234	Theumer	Anja	Functionalized superparamagnetic iron oxide nanoparticles exert diverse effects on multicellular spheroids	Theumer	Anja
235	Thomas	Guillaume	Dota-functionalized magnetite nanoparticles as contrast agents for MRI/PET double imaging	Thomas	Guillaume
236	Tokarev	Alexander	Reconfigurable anisotropic coatings via magnetic field directed assembly and translocation of locking magnetic chains	Tokarev	Alexander
237	Tomasovicova	Natalia	Elimination of magnetic nanoparticles with various surface modifications in the blood stream in vivo	Tomasovicova	Natalia
238	Tombácz	Etelka	Physicochemical and colloidal criteria of magnetic nanoparticle systems eligible for biological testing	Tombácz	Etelka
239	Torres	Teobaldo	Experimental observation of brownian contribution to the relaxation mechanisms of Co _x Fe _{3-x} O ₄ nanoparticles and theoretical anal	Torres	Teobaldo
240	Tóth	Ildikó	Magnetic hyaluronate hydrogels: preparation and characterization	Tóth	Ildikó
241	Tóth	Ildikó	Preparation and characterization of chondroitin-sulfate-A-coated magnetite nanoparticles for biomedical applications	Tóth	Ildikó
242	Trachtova	Stepanka	Study on the encapsulation of magnetic cores using real time polymerase reaction	Trachtova	Stepanka

#	First Author		Poster Title	Presenting Author	
243	Turcu	Rodica	Magnetic microgels for drug targeting applications: Physical-chemical properties and cytotoxicity evaluation	Turcu	Rodica
244	Unterweger	Harald	Magnetic iron oxide nanoparticles with cisplatin-bearing polymer coating for targeted drug delivery	Unterweger	Harald
245	van Reenen	Alexander	Accurate quantification of magnetic particle properties by intra-pair magnetophoresis for nanobiotechnology	van Reenen	Alexander
246	van Reenen	Alexander	Dynamic magnetic particle actuation for integrated lab-on-chip biosensing	van Reenen	Alexander
247	van Reenen	Alexander	Magnetic field-induced rotaphoresis for controlled redistribution of magnetic particles over a surface	van Reenen	Alexander
248	van Vliembergen	Roland	A rotating molecular ruler: Determining nanometer-scale particle-particle distances in an optomagnetic cluster assay	van Vliembergen	Roland
249	Varchulová Nováková	Zuzana	Cytotoxicity tests of bacterial magnetosomes on cell lines HT-29 and A549	Varchulová N.	Zuzana
250	Veverka	Miroslav	Magnetic and relaxometric studies of silica-coated Co-Zn ferrite	Veverka	Miroslav
251	Vieira	José	Assisted formation of alkoxysilanes on the surface of ferrite nanoparticles and their magnetic properties	Chaker	Juliano
252	Volmer	Marius	Using permalloy based planar hall effect sensors to capture and detect superparamagnetic beads for lab on a chip applications	Volmer	Marius
253	von der Lühe	Moritz	Fe ₃ O ₄ @polydehydroalanine hybrid particles	von der Lühe	Moritz
254	Voronina	Natalia	Novel approach to magnetically guided delivery of microRNA to endothelial cells	Voronina	Natalia
255	Wang	Yi	Experimental and statistical investigation of signal to noise ratio for GMR nanosensors for molecules detection	Wang	Yi
256	Wang	Jian-Ping	Recent Progress of Magnetic Biosensing Technology and Detection of Mercuric Ion for Environmental Monitoring	Wang	Jian-Ping
257	Wereley	Norman	Remixability of magnetorheological fluid after exposure to centripetal acceleration	Wereley	Norman
258	Wu	Kai	Colorize magnetic nanoparticles using a new search coil based testing method	Wu	Kai
259	Xie	Lei	Measuring stratification in a magnetorheological fluid column using a vertical axis inductance monitoring system	Xie	Lei
260	Xue	Wei	Magnetic property analysis of cells with single-cell magnetophoresis	Xue	Wei
261	Yadavalli	Tejabhram	Dual responsive fluorescent magnetic nanopolymers for targeted drug delivery	Yadavalli	Tejabhram
262	Yagci acar	Havva	Development of magnetic and luminescent hybrid nanoparticles as theranostic materials	Yagci acar	Havva
263	Yoshida	Takashi	Effect of viscosity on harmonic signals from magnetic fluid	Yoshida	Takashi
264	Yu	Siming	Can SPIONs aggregation be controlled in biological media? (yes) ...but ... can SPIONs aggregation be advantageous for some applicati	Roig	Anna
265	Yu	Lina	DNA-conjugated magnetic nanoparticles for remotely controlled drug release	Yu	Lina
266	Yu	Lina	Enhanced stability of high moment FeCo nanoparticles with SiO ₂ protection layer for bio-application	Yu	Lina
267	Zablotskii	Vitalii	Magnetically driven differentiation of mesenchymal stem cells	Zablotskii	Vitalii
268	Zabow	Gary	In vivo MRI single-cell tracking using microfabricated magnetic microparticles	Zabow	Gary
269	Zaloga	Jan	Lauric acid - protein coated hybrid SPIONS with enhanced biocompatibility for magnetic drug targeting	Zaloga	Jan
270	Zavisova	Vlasta	Cytotoxicity of several kinds of magnetic fluids	Zavisova	Vlasta
271	Zborowski	Maciej	Magnetic field visualization in applications to magnetic cell separation and drug targeting	Zborowski	Maciej
272	Zelepukin	Ivan	Synthesis of SiO ₂ -coated magnetic nanolabels with controlled surface properties	Zelepukin	Ivan
273	Zhong	Yi	Electrospun magnetic nanofibre mats - a new bondable biomaterial using remotely activated magnetic heating	Zhong	Yi
274	Zlateski	Vladimir	Efficient magnetic recycling of covalently attached enzymes on carbon-coated metallic nanomagnets	Zlateski	Vladimir
275	Zubarev	Andrey	Hyperthermia effect of non-spherical magnetic nanoparticles under alternating magnetic field	Abu-Bakr	Ali