

11th International Conference on the Scientific and Clinical Applications of Magnetic Carriers

Vancouver, Canada | May 31-June 4, 2016 www.magneticmicrosphere.com

11th International Conference on the Scientific and Clinical Applications of Magnetic Carriers - Vancouver, BC, Canada

Posters

#	First Author	Title	Location
1	Andreu, Irene	Gadolinium-doped Magnetite Nanoparticles using a Single Source Precursor Synthesis Route	Burnaby, Canada
2	Angelova, Ralitsa	Magnetically modified sheaths of <i>Leptothrix</i> sp. as an adsorbent for Amido black 10 B removal	Ceske Budejovice, Czech Republic
3	Anker, Jeffrey	Towards monitoring drug release in situ with multimodal radioluminescent, photoluminescent, and MRI Contrast Agents	Clemson, SC, USA
4	Baldikova, Eva	PMAA-stabilized ferrofluid/chitosan/yeast composite for bioapplications	Ceske Budejovice, Czech Republic
5	Banuazizi, Seyed Amir Hossein	Ultrarapid detector of flowing labeled magnetic nanoparticles based on spin torque oscillator	Stockholm, Sweden
6	Beck, Mathias	Influence of Material and Concentration on Nanoparticle Heating	Garching, Germany
7	Beg, Muhammad Shahbaz	Porous Anisotropic Fe ₃ O ₄ -SiO ₂ Nanocapsules for Theranostic Applications	Mumbai, India
8	Bender, Philipp	Numerical inversion methods to analyze magnetization data	Santander, Spain
9	Bhattacharya, Mangolika	Inclusion of Dipolar Interactions in the Mathematical Modelling of Magnetic Hyperthermia through the Landau-Lifshitz-Gilbert equation	Waterford, Ireland
10	Begin-Colin, Sylvie	Magnetic carbon nanotubes combining MRI and therapy as nanoprobes to explore biological processes	Strasbourg, France
11	Bogart, Lara	Assessment of synthesis-dependent oxidative aging of iron oxide nanoparticles as determined using room temperature Mössbauer spectroscopy	London, UK
12	Bonvin, Debora	Small and biocompatible coatings of iron oxide nanoparticles for improved detection and treatment of metastases	Lausanne, Switzerland
13	Brusentsov, Nikolay	Combined magneto-thermo-chemotherapy of solid tumors controlled by MRI and electronic sensor	Moscow, Russia
14	Cabrera, David	Harnessing viscosity effects to tailor the dynamical magnetic response of magnetic nanoparticles	Madrid, Spain
15	Chandra, Sudeshna	Fabrication of Bio-Magnetic Sensors based on Macromolecules Functionalized Iron Oxide Nanoparticles	Mumbai, India
16	Chiriac, Horia	Mechanically-induced necrosis of human malignant cells by sharp magnetite nanoparticles	Iasi, Romania
17	Chiriac, Horia	Preparation and characterization of a low Curie temperature Fe-Cr-Nb-B ferrofluid	Iasi, Romania
18	Chun-Rong, Lin	Synthesis and magneto-optical behaviors of Fe ₃ O ₄ /Ag nanocomposite spheres	Pingtung, Taiwan
19	Crippa, Federica	Influence of ligand exchange on crystallography, magnetic and thermal behavior of iron oxide nanoparticles for hyperthermia treatment	Fribourg, Switzerland
20	de la Presa, Patricia	Effect of the aggregation degree on the heating efficiencies of Mn, Fe and Co oxides nanoparticles	Madrid, Spain
21	De-Leon-Prado, Laura Elena	Synthesis and characterization of nanosized Mg _x Mn _{1-x} Fe ₂ O ₄ ferrites by both sol-gel and thermal decomposition methods	Salttillo, Coahuila, Mexico
22	Dey, Chaitali	Improvement of Drug Delivery by Hyperthermia Treatment using Magnetic Cubic Cobalt Ferrite Nanoparticle	Kolkata, India
23	Dey, Tania	Magnetite Nanoparticles: comparison of different synthetic methods	Limerick, Ireland
24	Engelmann, Ulrich	Feasibility of Hyperthermia Induced Apoptosis of Pancreatic Tumor Cells with Internalized Magnetoliposomes	Aachen, Germany
25	Famiani, Simone	Synthesis and characterization of plasmonic highly-magnetic nanoparticles	London, UK
26	Feoktystov, Artem	Small-Angle Neutron Scattering Contrast Variation as a tool for magnetic nanoparticle characterization	Garching, Germany
27	Fratila, Raluca Maria	Magnetic nanoparticles for bioorthogonal click chemistry	Zaragoza, Spain
28	Friedrich, Ralf	Covalent versus adsorptive binding of thrombolytics to SPIONs for directed targeting of fibrin-based matrices	Erlangen, Germany
29	Gazova, Zuzana	Inhibition of amyloid aggregation of lysozyme by application of magnetic nanoparticles coated with different types of dextran	Kosice, Slovakia
30	Geers, Christoph	An abstract approach to quantify the heating power of magnetic nanoparticles	Fribourg, Switzerland

31	Ghavami Nejad, Amin	Novel Route to immobilization of Magnetic Nanoparticles on polymeric Nanofibers for Hyperthermic Chemotherapy	Jeonju, Korea
32	Goetzfried, Marisa	Functionalization of DNA Nanostructures with Au-plated Superparamagnetic Iron Oxide Particles	Garching, Germany
33	Graefe, Christine	Serum Concentration Affects Protein Corona Mass, Surface Charge, and Nanoparticle-Cell Interaction	Jena, Germany
34	Heidsieck, Alexandra	Optical Measurement of the Magnetic Moment of Magnetically Labeled Objects	Garching, Germany
35	Hirota, Noriyuki	In-situ observation of particles deposition process on a ferromagnetic filter during high-gradient magnetic separation process	Tsukuba, Japan
36	Hoemmen, Peter	Uncertainty Impacts on Quantitative Magnetic Nanoparticle Imaging using Magnetorelaxometry	Ilmenau, Germany
37	Horak, Daniel	TAT- and RGDS-modified Luminescent and PEG&SiO ₂ -coated Magnetic Nanoparticles for Tumor Targeting and Diagnosis	Prague, Czech Republic
38	Hsu, Hao-Lung	Preparation of Thermosensitive Magnetic Liposome Encapsulated Recombinant Tissue Plasminogen Activator for Targeted Thrombolysis	Taoyuan, Taiwan
39	Hsu, Hao-Lung	Self-Assembled Magnetic Nanoparticles Based On Folic Acid-Oleoyl Chitosan for Targeted Delivery of Doxorubicin	Taoyuan, Taiwan
40	Huang, Wei	Immobilization of laccase on magnetic nanoparticles for enhancing biocatalysis	Beijing, China
41	Iacovita, Cristian	Polyethylene glycol mediated synthesis of magnetic nanoparticles as potential magnetic hyperthermia agents	Cluj-Napoca, Romania
42	Insin, Numpon	Size-dependent Cytotoxicity and Inflammatory Responses of PEGylated Silica-Iron Oxide Nanocomposite Size Series	Bangkok, Thailand
43	Jasso-Teran, Rosario Argentina	Synthesis, characterization and hemolysis studies of Zn(1-x)CaxFe ₂ O ₄ ferrite synthesized by sol for hyperthermia treatment applications	Saltillo, Coahuila, Mexico
44	Jirak, Zdenek	Titania-coated manganite nanoparticles for theranostic applications	Prague, Czech Republic
45	Joos, Alexander	Size-dependent MR relaxivities of magnetic nanoparticles	Garching, Germany
46	Kafash Hoshair, Ali	Effective Parameters in Aggregation of Nano Particles during Magnetic Guided Drug Delivery in Mice Brain	Yoon, Korea
47	Kaibi, Amel	Microstructure Evolution and Magnetic Properties of Nanocrystalline (Ni ₇₅ Fe ₂₅) _{95.6} Si _{3.5} Thin Films	Tebessa, Algeria
48	Kaibi, Amel	Microstructure Evolution and Magnetic Properties of Nanocrystalline Ni ₇₅ Fe ₂₅ Thin Films: Effects of Substrate and Thickness.	Tebessa, Algeria
49	Kaman, Ondrej	Preparation of Mn-Zn ferrite nanoparticles and their silica-coated clusters as contrast agents for MRI	Praha, Czech Republic
50	Komissarova, Lubov	Developing the Massart Method for Obtaining Biocompatible Magnetite Nanoparticles of Given Sizes	Moscow, Russia
51	Koneracka, Martina	Preparation of Ploy-L-Lysine Functionalized Magnetic Nanoparticle and Influence on Cancer Cells Viability	Kosice, Slovakia
52	Kopcansky, Peter	Radiation-enhanced decomposition of protein amyloid fibrils by magnetic nanoparticles	Kosice, Slovakia
53	Krafcik, Andrej	Disparity of native, reconstructed ferritin and magneto-ferritin in low-field and high-field MRI	Bratislava, Slovakia
54	Kubovcikova, Martina	STRUCTURE AND STABILITY OF MAGNETIC FLUIDS AT INTERFACE WITH SILICON BY NEUTRON REFLECTOMETRY	Kosice, Slovakia
55	McCoey, Julia	Non-invasive High Resolution Magnetic Field and Temperature Imaging	Melbourne, Australia
56	Lee, Jung-Rok	The Transduction Mechanism and Applications of Giant Magnetoresistive Biosensors	Stanford, CA, USA
57	Lim, Byeonghwa	Magnetophoretic transport system for digital control of single particle and cells	Daegu, Korea
58	Liu, Chunzhao	Synthesis of Functional Magnetic Nanoparticles for Microalgal Cell Separation	Beijing, China
59	Loewa, Norbert	Magnetic Nanoparticles in different biological environments as seen by Magnetic Particle Spectroscopy	Berlin, Germany
60	Ludwig, Frank	Standardization of the analysis of single-core magnetic nanoparticles	Braunschweig, Germany
61	Mandal Goswami, Madhuri	Biocompatibility of DNA Engineered Cobalt-ferrite Nanoparticles for Cancer Cell Imaging and Hyperthermia Therapy	Kolkata, India
62	Manisekaran, Ravichandran	Au@CoFe ₂ O ₄ yolk-shell nanoparticles: An efficient MRI contrast agent, Magneto-Hyperthermal and drug-delivery armada for cancer Theranostics	Mexico City, Mexico
63	Mattern, Anne	Magnetic Nanoparticle-Gel Materials for Development of Magnetic Particle Imaging Phantoms	Ilmenau, Germany
64	Modak, Nipu	Separation of magnetic beads in a Hybrid continuous flow microfluidic device	Kolkata, India
65	Morales, Irene	Permeability of Matrigel to magnetic nanoparticles	Madrid, Spain
66	Musikhin, Sergei	Magnetic and Fluorescent Nanoparticle Conjugates for Targeting of Hsp70-positive Malignant Brain Tumors	St. Petersburg, Russia
67	Nacev, Aleksandar	Focusing Magnetic Particles to Central Targets between External Electromagnets	Rockville, MD, USA
68	Nguyen, Thanh	SYNERGETIC EFFECT OF MULTI-DRUG LOADED MAGNETIC LIPOSOME IN CHEMO-THERMOTHERAPY	London, UK
69	Nigam, Saumya	Peptide Dendrimer-Fe ₃ O ₄ Nanoparticles as contrast agents in non-invasive magnetic resonance imaging	Mumbai, India
70	Nosrati, Zeynab	Production of Magnetic Microspheres by a Micro Co-Flowing Device as a Potential Approach for Magnetic Resonance Navigation Technology	Vancouver, Canada
71	Nowak, Johannes	A capillary viscometer designed to measure the magnetoviscous effect of biocompatible ferrofluids diluted in sheep blood	Dresden, Germany
72	Ota, Satoshi	Magnetization dynamics of magnetic nanoparticle associated with magnetic relaxation characterized by alternating current hysteresis measurement	Hamamatsu, Japan

73	Palanisamy, Selvamani	Layer-by-layer Assembled Prednisolone Magnetic Microcapsules (PMC) Assisted Controlled and Targeted Drug Release at Rheumatoid Arthritic Joints	Trichy, India
74	Pandey, Sudip	Optimizing magnetic properties for self-controlled hyperthermia applications	Carbondale, IL, USA
75	Papaefthymiou, Georgia	Magnetic-Relaxation and Heat-Dissipation Characteristics of Iron-Oxide Ferrofluids Prepared by Surfactant-Assisted Ball-Milling	Villanova, PA, USA
76	Pham, Binh	In vivo biodistribution of sterically stabilised superparamagnetic iron oxide nanoparticles via intraperitoneum injection	Camperdown, Australia
77	Pham, Nguyen	Stable and non-toxic superparamagnetic iron oxide nanoparticles as multimodal (PET/SPECT-MRI) imaging probes	Camperdown, Australia
78	Phranot, Ajkikarn	Synthesis, Characterization, Drug Release and Transdental Delivery Studies of Magnetic Nanocubes coated with Biodegradable Poly(2-(dimethyl amino)ethyl methacrylate)	Bangkok, Thailand
79	Polikarpov, Mikhail	3D Imaging of Magnetic Particles Using the 7-Channel Magnetoencephalography Device Without Pre-Magnetization or Displacement of the Sample	Moscow, Russia
80	Quini, Caio	Evaluating magnetic nanoparticle distribution through ACB tomography	Botucatu, SP, Brazil
81	Radon, Patricia	Design and Characterization of a device to quantify the Magnetic Drug Targeting Efficiency of Magnetic Nanoparticles in a Tube Flow Phantom	Berlin, Germany
82	Radon, Patricia	Investigation of Magnetic Targeting Properties of FluidMAG-D	Berlin, Germany
83	Rahn, Helene	Long-term calibration phantom for MRI, MRX-CT and X ray-CT imaging of body tissues enriched with magnetic nanocomposites	Dresden, Germany
84	Rajan Unnithan, Afeesh	An Implantable Smart Magnetic Nanofiber Device for Endoscopic Hyperthermia Treatment and Tumor-Triggered Controlled Drug Release	Jeonju, Korea
85	Ramachandra Kurup Sasikala, Arath	Multifunctional Nanocarriers for Cancer Theranostics: Remotely Controlled Graphene Nanoheaters for Thermo-Chemosensitisation and MRI	Jeonju, Korea
86	Ramaswamy, Bharath	Magnetic drug delivery to the cochlea to prevent cisplatin induced hearing loss	College Park, MD, USA
87	Ramaswamy, Bharath	On the safety of magnetic nanoparticle (MNP) motion in live brain tissue	College Park, MD, USA
88	Raval, Yash	Glycoconjugate-Functionalized Magnetic Nanoparticles for Bacteria Specific Targeting and Inactivation via MagMED	Clemson, SC, USA
89	Remmer, Hilke	Dynamics of magnetic nanoparticles in viscoelastic media	Braunschweig, Germany
90	Reyes-Rdz, Pamela Yajaira	Structural and magnetic properties of Mg _{1-x} Zn _x Fe ₂ O ₄ magnetic nanoparticles prepared sol-gel method	Saltillo, Coahuila, Mexico
91	Rizal, Conrad	Magnetic Alloys and Nanoparticle-based Bio-nanomagnetic Materials and Devices	La Jolla, CA, USA
92	Rizal, Conrad	Magnetoplasmonic Nanosensors for Biosensing	La Jolla, CA, USA
93	Royet, David	Using Injection molding for fabrication of a continuous-flow magnetic cell sorter	Lyon, France
94	Ruemenapp, Christine	Comparison of Magnetic Nanoparticles with different Functional Groups for the Detection of Molecules using Magnetic Resonance	Garching, Germany
95	Saengruengrit, Chalathan	Synthesis of Magnetic Nanocomposites for Application in Protein Delivery to Immune Cell	Bangkok, Thailand
96	Samarikhalaj, Melisa	pH/NIR light-Controlled Multi-Drug Release via a Mussel-Inspired Nanocomposite Hydrogel for Chemo-Photothermal Cancer Therapy	Jeonju, Korea
97	Sanchez, Javier	Synthesis of Mn _x Ga _{1-x} Fe ₂ O ₄ magnetic nanoparticles by thermal decomposition method for medical diagnosis applications	Saltillo, Coahuila, Mexico
98	Schmidt, Ann-Kathrin	Ni nanorods interact with human cells and induce changes in intracellular signalling and gene expression	Jena, Germany
99	Schroeder, Christian	Numerical Investigation of the Magneto-Dynamics of Self-Organizing Nanoparticle Ensembles: a Hybrid Molecular and Spin Dynamics Approach	Bielefeld, Germany
100	Shih, Kun-Yauh	Microwave synthesis and antibacterial properties of silver/magnetite/graphene composite	Pingtung, Taiwan
101	Shih, Kun-Yauh	Synthesis and characterization of Iron oxide/Reduced graphene oxide composites	Pingtung, Taiwan
102	Soukup, Dalibor	Protein Corona Nanoparticles Increase Cancer Cell Proliferation	Stoke-on-Trent, UK
103	Soukup, Dalibor	The Effect of Inter-Particle Interactions on SAR values and Magnetic Response of Biogenic Zn-doped Nanoparticles	Stoke-on-Trent, UK
104	Soukup, Dalibor	The Effect of Protein Coated In-Situ Formed Aggregates of Iron Oxide Nanoparticles on Cell-Nanoparticle Interactions	Stoke-on-Trent, UK
105	Southern, Paul	Temperature and AC Field Dependence of Magnetic Susceptibility and its use in Magnetic Hyperthermia	London, UK
106	Stange, Robert	Acceleration of superparamagnetic particles due to an optimized magnetic field to improve Biomagnetic Separation	Dresden, Germany
107	Steinhoff, Uwe	Interpreting static and dynamic magnetization behavior of magnetic nanoparticles in terms of magnetic moment and energies	Berlin, Germany
108	Stiufiuc, Rares	Magnetoliposomes nanocarriers for drug delivery applications: synthesis and characterization	Cluj-Napoca, Romania
109	Subbiah, Latha	Gemcitabine Loaded Magnetic Nanoparticles for Magnetically Triggered Thermo-Chemo Therapy	Tiruchirappalli, India
110	Sun, Jiajia	The Force Analysis for Superparamagnetic Nanoparticles-based Gene Delivery in an Oscillating Magnetic Field	Xi'an, China
111	Szekeress, Marta	The effect of polycarboxylate shell of magnetite nanoparticles on protein corona formation in blood plasma	Szeged, Hungary
112	Takeda, Ryoji	Neel relaxation and its anisotropic behavior in superparamagnetic nanoparticle evaluated by dynamic hysteresis measurement	Yokohama, Japan
113	Teruyoshi, Sasayama	Three-Dimensional Magnetic Nanoparticle Imaging Using a Small Gradient Field and Multiple Pickup Coils	Fukuoka, Japan
114	Thanh, Nguyen	Protein A conjugated iron oxide nanoparticles for separation of Vibrio cholerae from water samples	London, UK

115	Thanh, Nguyen	Synthesis of magnetic cobalt ferrite nanoparticles with controlled morphology, monodispersity and composition: the influence of solvent, surfactant, reductant and synthetic condition	London, UK
116	Thorat, Nanasaheb	Multimodal graphene@Fe ₃ O ₄ SPIOs with unusually enhanced specific absorption rate for synergetic cancer therapeutics and MRI	Limerick, UK
117	Tippkoetter, Nils	Aqueous droplets with a superparamagnetic and -hydrophobic particle shell for lab-in-a-drop bioprocesses	Kaiserslautern, Germany
118	Tombacz, Etelka	Possibilities and limitations of carboxylated/PEGylated SPIONs for theranostics	Szeged, Hungary
119	Toth, Ildiko	Clustering of carboxylated magnetite nanoparticles with polyethylenimine via electrostatic or chemical interactions	Szeged, Hungary
120	Veintemillas-Vergauer, Sabino	Tuning the magnetic properties of ferrihydrite by dextran coating	Madrid, Spain
121	Visscher, Martijn	Simulation of essential probe characteristics for intra-operative handheld detection of magnetic tracers	Enschede, The Netherlands
122	Cotin, Geoffrey	Magnetism engineered nanoparticles towards innovative biocolloids combining MRI and magnetic hyperthermia properties	Strasbourg, France
123	Wang, Pingping	The interaction of bacterial magnetosomes and human liver cancer cells in vitro	Beijing, China
124	Weidner, Andreas	Intentional Formation of a Protein Corona on Magnetic Nanoparticles	Ilmenau, Germany
125	Witte, Kerstin	Particle size- and concentration-dependent separation of magnetic nanoparticles	Rostock, Germany
126	Yang, Liangrong	Effect of immobilized amine density on cadmium(II) adsorption capacities for ethanediamine-modified magnetic poly-(glycidyl methacrylate) microspheres	Beijing, China
127	Yang, Ming Da	Hyperthermia enhancement of iron oxide nanoparticle in bacterial biofilms	Hsinchu, Taiwan
128	Yang, Ming Da	Special magnetic structure for cell sorting by novel 3D printing	Hsinchu, Taiwan
129	Yang, Pei-Ching	Immobilization of Recombinant Tissue Plasminogen Activator on Magnetic Graphene Oxide for Targeted Delivery of Thrombolytic Agents	Taoyuan, Taiwan
130	Yang, Pei-Ching	Magnetic Graphene Oxide as a Carrier for Dual Targeted Delivery of Chemotherapy Drugs in Cancer Therapy	Taoyuan, Taiwan
131	Yang, Pei-Ching	Poly(lactide-co-glycolide) Magnetic Nanoparticles for Delivery of Plasminogen Activators	Taoyuan, Taiwan
132	Yeh, Barry	Utilizing magnetic and hydrodynamic properties to improve the homogeneity of superparamagnetic nanoparticles	Auburn, CO, USA
133	Yohannes, Yonas	A highly Efficient and Cost Effective Bioactivated Superpara-Magnetic beads and its Immuno-diagnostic (Clinical Diagnosis) applications	Spring Valley, CA, USA
134	Yoshida, Takashi	Effect of Alignment of Easy Axes on Dynamic Magnetization of Immobilized Magnetic Nanoparticles	Fukuoka, Japan
135	Yurenja, Anton	Effect of magnetic field on the ability of magnetite nanoparticles to penetrate into live cells	Moscow, Russia
136	Zavisova, Vlasta	Influence of magnetic fluid with betulinic acid on cancer cells viability	Kosice, Slovakia
137	Zborowski, Maciej	Tessellated permanent magnets for flow-through, open gradient separations of weakly magnetic materials	Cleveland, OH, USA
138	Zaloga Jan	Pharmaceutical Formulation of HSA hybrid coated Iron Oxide Nanoparticles for Magnetic Drug Targeting	Erlangen, Germany
139	Gao, Jie	MALDI-TOF MS Combined With Magnetic Beads For Quantification of Serum Protein Biomarkers	Bergen, Norway
140	Calabresi, Marcos	AC biosusceptometry to assess colonic contractility in rats with ulcerative colitis	Botucatu, SP, Brazil
141			
142			