

FINAL POSTERS: **Posterboards are 2 m high and 1 m wide! Posters will be up for the entire meeting.**

Analytical Methods using Magnetic Carriers, Nanotechnology

102	Fosa, Gabriela	Measuring the Transmittance of Light: a tool for testing the quality of magnetic liquids	Romania
103	Brzeska, Monika	Model experiments for the detection of single magnetic particles/molecules with a force microscope	Germany
104	Engelmann, Steffen	Concept of a new type of electric machines using ferrofluids	Germany
105	Fuentes, Manuel	Novel immunosensor on magnetic nano-particles: very high loading, correct orientation, full retention biological activity	Spain
106	Gutiérrez, Lucía	Magnetostructural study of iron sucrose	Spain
107	McNaughton, Brandon	Magnetically Modulated Fluorescent pH Sensing Micro-Drill	USA
108	Millen, Rachel	Giant Magnetoresistive Sensors for Chip-Scale Detection of Biorecognition Events Using Surface Modification and Magnetic Labels	USA
109	Moreland, John	Microfabricated magnetic traps for single molecule manipulation and measurement	USA
110	Müller-Schulte, Detlef	Giant magnetic quantum dots as individually addressable high sensitive optical bar codes for diagnostics and bioanalytics	Germany
111	Nordling, John	Distance Dependent Response of a Giant Magnetoresistive Sensor to a Thin Permalloy Film	USA
112	Osin, Nikolai	Method and Device for Simultaneous Detection of Multiple Components in a Mixture	Russia
113	Polyakova, Tatyana	Magnetization Processes in Magnetotactic Bacteria Systems	Ukraine
114	Popa, Nicolae Calin	"P" Curves for Micro-Structural Characterisation of Magnetic Suspensions	Romania
115	Prieto Astalan, Andrea	Magnetic characterization of magnetic particles to be used in a biosensor system	Sweden
116	Safarikova, Mirka	Development of MSPE method for the determination of phthalic acid lower esters in water	Czech Republic
117	Safarikova, Mirka	Magnetic solid phase extraction of non-ionic tensides from water	Czech Republic
118	Yellen, Benjamin	Magnetically Controlled Assembly of Micro- and Nanoparticles and Its Simulation	USA
119	Yuan, Huan	Effects of static magnetic field on chinese hamster ovary cell line CHO-K1	USA
120	Zhang, Chunfu	Preparation of a general magnetic nano-solid-phase separating reagent for the radioimmunoassay	China
121	Hoffmann, Axel	Biological sensors based on Brownian relaxation of ferromagnetic nanoparticles suspended in liquid	U.S.A.

Magnetic Drug Delivery / Drug Targeting / In vivo Applications

122	Babinec, Peter	Treatment of pigmented B16 melanoma using photosensitized long-circulating magnetofullerenosomes	Slovakia
123	Calus, Dries	Coating of magnetoliposomes with water-soluble proteins via a universal binder	Belgium
124	Argherie, Diana	The antitumor effect of the magnetite nanoparticles in cat mammary adenocarcinoma	Romania
125	Mertz, Carol	In Vitro Studies of Functionalized Magnetic Nanospheres for Selective Removal of a Simulant Biotxin	USA
126	Kilic, Mehmet	Ferritin: A New Nano Drug Encapsulation System	Turkey
127	Kohler, Nathan	Novel functional poly(ethylene glycol) self assembled monolayers for ligand grafting to metal oxide nanoparticles	USA
128	Kuckelhaus, Selma	Effects of cobalt-ferrite based magnetic fluid and stealth magnetoliposome on the mice peritoneal cells viability	Brazil
129	Kückelhaus, Selma	Effects of endovenous administration of cobalt-ferrite based magnetic nanoparticles on the mice total protein profile	Brazil
130	Kuzhir, Pavel	Capillary flow of a suspension of non-magnetic particles in a ferrofluid under highly non-uniform magnetic field	Belarus
131	Lacava, Zulmira	In vivo investigation of magnetic materials based on cobalt-ferrite nanoparticles using morphology, cytometry, and genetic tests	Brazil
132	Latha, Subbaih	Formulation and Evaluation of Ranitidine Hydrochloride Magnetic Microspheres	India
133	Lee, Wen-Chien	Cellular Uptake of Protein-Nanoparticle Conjugates in Pulsed Magnetic Field	Taiwan
134	Mykhaylyk, Olga	Targeting of the doxorubicin magnetic conjugate upon intravenous injection into experimental animals. High gradient magnetic field inhibits clearance of the nanoparticles from the blood	Ukraine

135	Podoyntsyn, Sergey	Development of Magnetically Targeted Drugs for Neutron-Capture Therapy of Tumors	Russia
136	Denizot, Benoit	Labeling of thin coated iron oxide nanoparticles by dinitrophenyl group for pretargeting by affinity enhancement system: In vitro studies	France
137	Rotariu, Ovidiu	Modelling Magnetic Carrier Particle Targeting in the Tumor Microvasculature for Cancer Treatment	UK
138	Duguet, Etienne	In vitro uptake of folate-targeted VUSPIO in a folate-receptor expressing tumor model	France
139	Tedesco, Antonio Claudio	Studies of Zinc Phthalocyanine/Magnetic Fluid Complex Liposome Medium as a Potential System for Cancer Treatment	Brazil
140	Tedesco, Antonio Claudio	Studies of the Toxicity of Complex of the Magnetic Fluids and Biological Macromolecules in Cells	Brazil
141	Rosengart, Axel	Feasibility of Magnetically Guided Targeted Stroke Lysis: Can Plasminogen Activator Loaded Magnetic Carriers Do the Job?	USA
142	Wang, Yongxian	Radiolabeling magnetic nanoparticles and its applications	China
143	Öztürk, Cengiz	targetMAG: Binding characteristics of mitoxantrone	Germany
144	Guy, Sandra	Blood Survival and Deposition Characteristics of Biotinylated Biodegradable Microspheres in a Rat Model	USA

Magnetized Stents / Gene Therapy

145	Ebner, Armin	Analysis of High Gradient Ferromagnetic Seeding for Targeted Drug Delivery	USA
146	Ebner, Armin	Theoretical Analysis of Transdermal Ferromagnetic Implants for Retention, Retrieval and Guidance of Magnetic Drug Carrier Particles	USA
147	Kaminski, Michael	Magnetizable Intraluminal Stent and Functionalized Magnetic Carriers: A Novel Approach for Noninvasive yet Targeted Drug Delivery	USA
148	Ritter, James	Sequestration of Blood Borne Magnetic Drug Carrier Particles Using Magnetizable Intravascular Stents	USA
149	Ritter, James	Feasibility of High Gradient Magnetic Implants for Magnetic Drug Targeting	USA
150	Räty, Jani	Magnetic Targeting of Avidin-displaying Baculovirus	Finland
151	Xenariou, Stefania	Magnetofection to increase non-viral gene transfer to airway epithelium	UK
152	Takeda, Shin-ichi	Fundamental Study on Gene/Cell Therapy utilizing Ferromagnetic Nanoparticles	Japan

Magnetic Hyperthermia

153	Babincova, Melania	Functionalized magnetic nanoparticles in combined cancer chemotherapy and RF hyperthermia	Slovakia
154	Bagaria, Hitesh	Preparation and Characterization of NiPd and NiFePd Magnetic Nanoparticles for Low Curie Hyperthermia	USA
155	Brusentsova, Tatjana	Synthesis and investigation of magnetic properties of Gd-substituted Mn-Zn ferrite nanoparticles as a potential low-TC agent for Magnetic Fluid Hyperthermia	Russia
156	Cacaina, Dana	Structural and magnetic properties of CaO-P2O5-SiO2-Fe2O3 glass-ceramics for hyperthermia	Romania
157	Efendiyeve, Eldar	Absorption of Electromagnetic Energy in Fe ₃ O ₄ Nanoparticle-Liquid Sodium Dodecyl Sulfate (SDS) System	Azerbaijan
158	Kim, Dong-Hyun	Temperature change of ferrite particles with alternating magnetic field for hyperthermic application	Korea
159	Lee, Se-Ho	Cytotoxicity of ferrite particles by MTT and agar diffusion methods for hyperthermic application	Korea
160	Park, Ji-Ho	Preparation and Characterization of Magnetic Chitosan Particles for Hyperthermic Application	Korea

Preparation and Characterization of Magnetic Nanospheres, Microspheres, Ferrofluids and Liposomes

161	Ambashta, Ritu	Physical and chemical properties of magnetite based solvent extractant	India
162	Balayan, Hamlet	Silica-coated Magnetic Matrices for Biotechnology	Armenia
163	Bayburtstsiy, Felix	Preparation of magnetic carriers for biomedical investigations	Russia
164	Anker, Jeffrey	Microrheology with Modulated Optical Nanoprobes (MOONs)	USA
165	Benes, Milan	Magnetic Microparticles with Carboxyl Functional Groups	Czech Republic
166	Brijoux, Werner	Study of the structure of stabilized Co nanoparticles for ferrofluids	Germany
167	Buske, Norbert	Preparation and Properties of Layer by Layer-Polyelectrolyte and Pine Pollen Grain-Magnetite Capsules	Germany
168	Chiriac, Horia	Amorphous Magnetic Microspheres for Biomedical Applications	Romania
169	Eloi, Marcos	Zero-field birefringence of biocompatible magnetic fluids: A concentration dependence investigation	Brazil
170	Giri, Jyotsnendu	Synthesis of capped nano sized Mn _{1-x} Zn _x Fe ₂ O ₄ , (0, Tx, T0.8) by microwave refluxing for bio-medical applications	India

171	Giri, Jyotsnendu	Preparation and characterization of phospholipid stabilized (PC) uniform magnetite nanoparticles	India
172	Goff, Jonathan	Progress in Biocompatible Silicone-Magnetite Fluids and Microspheres	USA
173	Hunger, Hans- Dieter	Preparation and Characterization of HSA / Magnetite-Protein A Nanoparticles	USA
174	Ibarra, Ricardo	Nanometric 3D-Metal Particles in Carbon Cages: Possible Relevance for Biomedical Applications	Spain
175	Jozefczak, Arkadiusz	Acoustic properties of PEG biocompatible magnetic fluid under perpendicular magnetic field	Poland
176	Kaminski, Michael	Uniform Biodegradable Microspheres: A Membrane-Assisted Solvent-Evaporation Technique	USA
177	Kaminski, Michael	Variables in the Synthesis of Quality Biodegradable Magnetic Microspheres	USA
178	Kaminski, Michael	Cobalt-Encapsulated Spheres: Synthesis and In Vivo Characteristics	USA
179	Kanoun, Mohammed	Investigation of ferromagnetic GaN doped Mn by energy loss near edge structure	Algeria
180	Koneracka, Martina	The determination of the hydrodynamic size of magnetic carrier systems using FRS experiment	Slovakia
181	Koneracka, Martina	Interliposomal transfer of Crystal Violet dye from DPPC liposomes to magnetoliposomes	Slovakia
182	Liu, Huizhou	Preparation of Uniform Magnetic Functional Polymeric Microspheres by Spraying Suspension Polymerization	China
183	Mamedova, Nataliya	Superparamagnetic Core-Shell Magnetite-Silica Nanoparticles for Internalization in the Middle Ear Epithelium: Synthesis, Characterization and Function.	USA
184	Matoussevitch, Nina	Preparation and Properties of Air Stable Cobalt Magnetic Fluids	Germany
185	Merad, Abdelkrim	Electronic structures and magnetism in CdTe and ZnTe based diluted magnetic semiconductors from first principles study	Algerie
186	Morais, Paulo	A comparative investigation between the magnetic fluid and the magnetoliposome preparations using magnetic resonance	Brazil
187	Niensch, Kornelius	Synthesis of Ultrathin Cobalt Nanotubes	USA
188	Qin, Jian	Synthesis of PLLA-PEG@SPION@PNIPAAm-PDLA "shell-in-shell" Drug Delivery System; In-Vitro Reaction with HeLa Cells	Sweden
189	Ramirez, Liliana	Nanostructured composites from iron pentacarbonyl decomposition	Germany
190	Roberts, Teresa	Magnetically Modulated Optical Nanoprobes (MagMOONS) for Detection and Quantification of Biologically Important Ions against the Natural Background Fluorescence of Intracellular Environments	USA
191	Schaz, Axel	"Straightforward process for polymer-magnetite nanocomposite dispersions"	Germany
192	Seino, Satoshi	Gamma-ray Synthesis of Magnetic Nanocarrier Composed of Gold and Magnetic Iron Oxide	Japan
193	Shao, Huiping	Preparation and Investigation of Oil-based Magnetic fluid with the Spent Catalyst	Korea
194	Sudfeld, Daniela	Microstructural Investigation of Ternary Magnetic Nanoparticles	Germany
195	Surguladze, Besik	Medico-biological characteristics of magnetic fluids	Georgia
196	Vadala, Michael	Cobalt-Silica Magnetic Nanoparticles with Functional Surfaces	USA
197	Woo, Kyoungja	Easy Synthesis and Surface Modification of Hydrophobic Magnetite to Processible Magnetite@Silica-Propylamine	Korea
198	Xia, Zefeng	Preparation by Ultrasound and Characteristics of Magnetite-Dextran Nanoparticles	China
199	Zalich, Michael	Physical Characterization of Nanoparticulate Cobalt/Polymer Complexes for Biomedical Applications	Australia
200	Zheng, Weiming	Carboxylated magnetic polystyrene latex nanospheres for biomedical applications	China
201	Elaissari, Abdelhamid	Preparation and Biomedical Application of Layer-by-Layer Encapsulated Oil in Water Magnetic Emulsion	France
202	Vatta, Laura	Manufacture of ferrofluid: Basic aspects and the influence of key parameters on the process	South Africa

Magnetic Separation

203	Boschke, Elke	New approaches in the biomagnetic separation of food contaminants	Germany
204	Chalmers, Jeffrey	Alloreactive T-cell Depletion: The solution to the challenge of bone marrow transplants?	USA
205	Elssner, Thomas	Magnetic bead based sample fractionation and purification prior to MALDI-TOF MS analysis for clinical proteomic approaches	Germany
206	Pan, Bifeng	Study on Self-assembly of Magnetite Nanoparticles and Poly(amidoamine) Dendrimer	China
207	Hata, Hideyuki	Development of Novel Thermo-responsive Magnetic Nanoparticles	Japan
208	Kaminski, Michael	A two phase coupled computational flow model describing the magnetic separation of microspheres	USA

209	Kinoshita, Takuya	Magnetic Separation of Amino Acids by Gold/Iron-Oxide Composite Nanoparticles Synthesized by Gamma-ray	Japan
210	Korecká, Lucie	IMERs and IMARs: effective tool for isolation and study of highly heterogeneous glycoproteins	Czech Republic
211	Mikkelsen, Christian	Comparison of Magnetic and Hydrodynamic Interactions between Magnetically Tagged Particles in Microfluidic Systems	Denmark
212	Moore, Lee	Magnetic contrast agent enhances performance of a continuous flow sorting device	USA
213	Rosengart, Axel	How to Achieve and Optimize Separation of Magnetic Carriers from Pulsatile Blood?	USA
214	Saiyed, Zainul	Use of magnetic particles for development of a new high throughput genome isolation method for genotyping and SNP analysis	India
215	Strachan, Norval	An Immunomagnetic Separator for Concentration of Pathogenic Microorganisms from Large Volume Samples	UK
216	Williams, Steve	Computational fluid dynamics modeling of nonspecific crossover caused by flow splitter imperfections in a quadrupole magnetic flow sorter	USA

Magnetic Carriers as Contrast Agents / Magnet Resonance Imaging

217	Billotey, Claire	Magnetic labeling with NPMA to track dendritic cells in vivo with MRI	France
218	Coroiu, Iliora	Proton NMR relaxivity of blood samples in the presence of some gadolinium and dysprosium compounds	Romania
219	Duguet, Etienne	Potential application of VUSPIO for MR angiography at low static magnetic field	France
220	Duguet, Etienne	Fluorescent VUSPIO for MR macrophage tracking in the CNS	France
221	Lee, Hyo-Sook	Synthesis of Ferrofluids based on Chitosan-SPIO by Sonochemical method for MRI-detected Embolotherapy	Korea
222	Mikhaylova, Maria	Development of Multifunctional Magnetic Nanoparticles for MR Imaging to Support Drug Discovery in Multiple Sclerosis.	Sweden