

POSTERS: Posterboards are 2 m high and 1 m wide !

Analytical Methods using Magnetic Carriers, Nanotechnology

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| 1 | Badescu, Rodica | Measuring the Transmittance of Light: a tool for testing the quality of magnetic liquids | Romania |
| 2 | Brzeska, Monika | Model experiments for the detection of single magnetic particles/molecules with a force microscope | Germany |
| 3 | Engelmann, Steffen | Concept of a new type of electric machines using ferrofluids | Germany |
| 4 | Fuentes, Manuel | Novel immunosensor on magnetic nano-particles: very high loading, correct orientation, full retention biological activity | Spain |
| 5 | Gutiérrez, Lucía | Magnetostructural study of iron sucrose | Spain |
| 6 | McNaughton, Brandon | Magnetically Modulated Fluorescent pH Sensing Micro-Drill | USA |
| 7 | Millen, Rachel | Giant Magnetoresistive Sensors for Chip-Scale Detection of Biorecognition Events Using Surface Modification and Magnetic Labels | USA |
| 8 | Moreland, John | Microfabricated magnetic traps for single molecule manipulation and measurement | USA |
| 9 | Mueller-Schulte, Detlef | Giant magnetic quantum dots as individually addressable high sensitive optical bar codes for diagnostics and bioanalytics | Germany |
| 10 | Nordling, John | Distance Dependent Response of a Giant Magnetoresistive Sensor to a Thin Permalloy Film | USA |
| 11 | Osin, Nikolai | Method and Device for Simultaneous Detection of Multiple Components in a Mixture | Russia |
| 12 | Polyakova, Tatyana | Magnetization Processes in Magnetotactic Bacteria Systems | Ukraine |
| 13 | Popa, Nicolae Calin | "P" Curves for Micro-Structural Characterisation of Magnetic Suspensions | Romania |
| 14 | Prieto Astalan, Andrea | Magnetic characterization of magnetic particles to be used in a biosensor system | Sweden |
| 15 | Safarikova, Mirka | Development of MSPE method for the determination of phtalic acid lower esters in water | Czech Republic |
| 16 | Safarikova, Mirka | Magnetic solid phase extraction of non-ionic tensides from water | Czech Republic |
| 17 | Yellen, Benjamin | Magnetically Controlled Assembly of Micro- and Nanoparticles and Its Simulation | USA |
| 18 | Yuan, Huan | Effects of static magnetic field on chinese hamster ovary cell line CHO-K1 | USA |
| 19 | Zhang, Chunfu | Preparation of a general magnetic nano-solid-phase separating reagent for the radioimmunoassay | China |

Magnetic Drug Delivery / Drug Targeting / In vivo Applications

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| 20 | Babinec, Peter | Treatment of pigmented B16 melanoma using photosensitized long-circulating magnetofullerenosomes | Slovakia |
| 21 | Calus, Dries | Coating of magnetoliposomes with water-soluble proteins via a universal binder | Belgium |
| 22 | Ganga, Diana | The antitumor effect of the magnetite nanoparticles in cat mammary adenocarcinoma | Romania |
| 23 | Kaminski, Michael | In Vitro Studies of Functionalized Magnetic Nanospheres for Selective Removal of a Simulant Biotxin | USA |
| 24 | Kilic, Mehmet | Ferritin: A New Nano Drug Encapsulation System | Turkey |
| 25 | Kohler, Nathan | Novel functional poly(ethylene glycol) self assembled monolayers for ligand grafting to metal oxide nanoparticles | USA |
| 26 | Kuckelhaus, Selma | Effects of cobalt-ferrite based magnetic fluid and stealth magnetoliposome on the mice peritoneal cells viability | Brazil |
| 27 | Kückelhaus, Selma | Effects of endovenous administration of cobalt-ferrite based magnetic nanoparticles on the mice total protein profile | Brazil |
| 28 | Kuzhir, Pavel | Capillary flow of a suspension of non-magnetic particles in a ferrofluid under highly non-uniform magnetic field | Belarus |
| 29 | Lacava, Zulmira | In vivo investigation of magnetic materials based on cobalt-ferrite nanoparticles using morphology, cytometry, and genetic tests | Brazil |
| 30 | Latha, Subbaih | Formulation and Evaluation of Ranitidine Hydrochloride Magnetic Microspheres | India |
| 31 | Lee, Wen-Chien | Cellular Uptake of Protein-Nanoparticle Conjugates in Pulsed Magnetic Field Targeting of the doxorubicin magnetic conjugate upon intravenous injection into experimental animals. High gradient magnetic field inhibits clearance of the nanoparticles from the blood | Taiwan |
| 32 | Mykhaylyk, Olga | | Ukraine |

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| 33 | Podoyntsyn, Sergey | Development of Magnetically Targeted Drugs for Neutron-Capture Therapy of Tumors. | Russia |
| 34 | Portet, David | Labeling of thin coated iron oxide nanoparticles by dinitrophenyl group for pretargeting by affinity enhancement system: In vitro studies | France |
| 35 | Rotariu, Ovidiu | Modelling Magnetic Carrier Particle Targeting in the Tumor Microvasculature for Cancer Treatment | UK |
| 36 | Sonvico, Fabio | In vitro uptake of folate-targeted VUSPIO in a folate-receptor expressing tumor model | France |
| 37 | Tedesco, Antonio Claudio | Studies of Zinc Phthalocyanine/Magnetic Fluid Complex Liposome Medium as a Potential System for Cancer Treatment | Brazil |
| 38 | Tedesco, Antonio Claudio | Studies of the Toxicity of Complex of the Magnetic Fluids and Biological Macromolecules in Cells | Brazil |
| 39 | Xie, Yumei | Feasibility of Magnetically Guided Targeted Stroke Lysis: Can Plasminogen Activator Loaded Magnetic Carriers Do the Job? | USA |
| 40 | Wang, Yongxian | Radiolabeling magnetic nanoparticles and its applications | China |

Magnetized Stents / Gene Therapy

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| 41 | Ebner, Armin | Analysis of High Gradient Ferromagnetic Seeding for Targeted Drug Delivery | USA |
| 42 | Ebner, Armin | Theoretical Analysis of Transdermal Ferromagnetic Implants for Retention, Retrieval and Guidance of Magnetic Drug Carrier Particles | USA |
| 43 | Kaminski, Michael | Magnetizable Intraluminal Stent and Functionalized Magnetic Carriers: A Novel Approach for Noninvasive yet Targeted Drug Delivery | USA |
| 44 | Ritter, James | Sequestration of Blood Borne Magnetic Drug Carrier Particles Using Magnetizable Intravascular Stents | USA |
| 45 | Ritter, James | Feasibility of High Gradient Magnetic Implants for Magnetic Drug Targeting | USA |
| 46 | Räty, Jani | "Magnetic Targeting of Avidin-displaying Baculovirus" | Finland |
| 47 | Xenariou, Stefania | Magnetofection to increase non-viral gene transfer to airway epithelium | UK |

Magnetic Hyperthermia

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| 48 | Babincova, Melania | Functionalized magnetic nanoparticles in combined cancer chemotherapy and RF hyperthermia | Slovakia |
| 49 | Bagaria, Hitesh | Preparation and Characterization of NiPd and NiFePd Magnetic Nanoparticles for Low Curie Hyperthermia | USA |
| 50 | 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 |
| 51 | Cacaina, Dana | Structural and magnetic properties of CaO-P2O5-SiO2-Fe2O3 glass-ceramics for hyperthermia | Romania |
| 52 | Efendiyev, Eldar | Absorption of Electromagnetic Energy in Nanoparticles Fe3O4-Liquid SDS System | Azerbaijan |
| 53 | Halbreich, Avraham | Damage to the protein synthesizing apparatus in mouse liver <i>in vivo</i> by magnetocytolysis in the presence of hepatospecific magnetic nanoparticles | Israel |
| 54 | Kim, Dong-Hyun | Temperature change of ferrite particles with alternating magnetic field for hyperthermic application | Korea |
| 55 | Lee, Se-Ho | Cytotoxicity of ferrite particles by MTT and agar diffusion methods for hyperthermic application | Korea |
| 56 | Park, Ji-Ho | Preparation and Characterization of Magnetic Chitosan Particles for Hyperthermic Application | Korea |

Preparation and Characterization of Magnetic Nanospheres, Microspheres and Liposomes

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| 57 | Ambashta, Ritu | Physical and chemical properties of magnetite based solvent extractant | India |
| 58 | Balayan, Hamlet | Silica-coated Magnetic Matrices for Biotechnology | Armenia |
| 59 | Bayburtzkiy, Felix | Preparation of magnetic carriers for biomedical investigations | Russia |
| 60 | Behrend, Caleb | Microrheology with Modulated Optical Nanoprobes (MOONs) | USA |
| 61 | Benes, Milan | Magnetic Microparticles with Carboxyl Functional Groups | Czech Republic |
| 62 | Brijoux, Werner | Study of the structure of stabilized Co nanoparticles for ferrofluids | Germany |
| 63 | Buske, Norbert | Preparation and Properties of Layer by Layer-Polyelectrolyte and Pine Pollen Grain-Magnetite Capsules | Germany |
| 64 | Chiriac, Horia | Amorphous Magnetic Microspheres for Biomedical Applications | Romania |
| 65 | Eloi, Marcos | Zero-field birefringence of biocompatible magnetic fluids: A concentration dependence investigation | Brazil |
| 66 | 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-medial applications | India |
| 67 | Giri, Jyotsnendu | Preparation and characterization of phospholipid stabilized (PC) uniform sized magnetite nanoparticles | India |
| 68 | Goff, Jonathan | Progress in Biocompatible Silicone-Magnetite Fluids and Microspheres | USA |
| 69 | Hunger, Hans- Dieter | Preparation and Characterization of HSA / Magnetite-Protein A Nanoparticles | USA |

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| 70 | Ibarra, Ricardo | Nanometric 3D-Metal Particles in Carbon Cages: Possible Relevance for Biomedical Applications | Spain |
| 71 | Jozefczak, Arkadiusz | Acoustic properties of PEG biocompatible magnetic fluid under perpendicular magnetic field | Poland |
| 72 | Kaminski, Michael | Uniform Biodegradable Microspheres: A Membrane-Assisted Solvent-Evaporation Technique | USA |
| 73 | Kaminski, Michael | Variables in the Synthesis of Quality Biodegradable Magnetic Microspheres | USA |
| 74 | Kaminski, Michael | Cobalt-Encapsulated Spheres: Synthesis and In Vivo Characteristics | USA |
| 75 | Kanoun, Mohammed Benali | Investigation of ferromagnetic GaN doped Mn by energy loss near edge structure | Algerie |
| 76 | Koneracka, Martina | The determination of the hydrodynamic size of magnetic carrier systems using FRS experiment | Slovakia |
| 77 | Koneracka, Martina | Interliposomal transfer of Crystal Violet dye from DPPC liposomes to magnetoliposomes | Slovakia |
| 78 | Liu, Huizhou | Preparation of Uniform Magnetic Functional Polymeric Microspheres by Spraying Suspension Polymerization | China |
| 79 | Mamedova, Nataliya | Superparamagnetic Core-Shell Magnetite-Silica Nanoparticles for Internalization in the Middle Ear Epithelium: Synthesis, Characterization and Function. | USA |
| 80 | Matoussevitch, Nina | Preparation and Properties of Air Stable Cobalt Magnetic Fluids | Germany |
| 81 | Merad, Abdelkrim | Electronic structures and magnetism in CdTe and ZnTe based diluted magnetic semiconductors from first principles study | Algerie |
| 82 | Morais, Paulo | A comparative investigation between the magnetic fluid and the magnetoliposome preparations using magnetic resonance | Brazil |
| 83 | Niensch, Kornelius | Synthesis of Ultrathin Cobalt Nanotubes | USA |
| 84 | Qin, Jian | Synthesis of PLLA-PEG@SPION@PNIPAAm-PDLA "shell-in-shell" Drug Delivery System; In-Vitro Reaction with HeLa Cells | Sweden |
| 85 | Ramirez, Liliana | Nanostructured composites from iron pentacarbonyl decomposition | Germany |
| 86 | Roberts, Teresa | Magnetically Modulated Optical Nanoprobes (MagMOONS) for Detection and Quantification of Biologically Important Ions against the Natural Background | USA |
| 87 | Schaz, Axel | Fluorescence of Intracellular Environments | Germany |
| 88 | Seino, Satoshi | "Straightforward process for polymer-magnetite nanocomposite dispersions" | Japan |
| 89 | Shao, Huiping | Gamma-ray Synthesis of Magnetic Nanocarrier Composed of Gold and Magnetic Iron Oxide | Korea |
| 90 | Sudfeld, Daniela | Preparation and Investigation of Oil-based Magnetic fluid with the Spent Catalyst | Germany |
| 91 | Surguladze, Besik | Microstructural Investigation of Ternary Magnetic Nanoparticles | Georgia |
| 92 | Vadala, Michael | Medico-biological characteristics of magnetic fluids | USA |
| 93 | Woo, Kyoungja | Cobalt-Silica Magnetic Nanoparticles with Functional Surfaces | USA |
| 94 | Xia, Zefeng | Easy Synthesis and Surface Modification of Hydrophobic Magnetite to Processible Magnetite@Silica-Propylamine | Korea |
| 95 | Zalich, Michael | Preparation by ultrasound and Characteristic of Magnetite-Dextran Nanoparticles | China |
| 96 | Zheng, Weiming | Physical Characterization of Nanoparticulate Cobalt/Polymer Complexes for Biomedical Applications | Australia |
| 96 | Zheng, Weiming | Carboxylated magnetic polystyrene latex nanospheres for biomedical applications | China |

Magnetic Separation

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| 97 | Boschke, Elke | New approaches in the biomagnetic separation of food contaminants | Germany |
| 98 | Chalmers, Jeffrey | Alloreactive T-cell depletion: The solution to the challenge of bone marrow transplants | USA |
| 99 | Elssner, Thomas | Magnetic bead based sample fractionation and purification prior to MALDI-TOF MS analysis for clinical proteomic approaches | Germany |
| 100 | Gu, Hongchen | Study on Self-assembly of Magnetite Nanoparticles and Poly(amidoamine) Dendrimer | China |
| 101 | Hata, Hideyuki | Development of Novel Thermo-responsive Magnetic Nanoparticles | Japan |
| 102 | Kasza, Ken | A two phase coupled computational flow model describing the magnetic separation of microspheres | USA |
| 103 | Kinoshita, Takuya | Magnetic Separation of Amino Acids by Gold/Iron-Oxide Composite Nanoparticles Synthesized by Gamma-ray | Japan |
| 104 | Korecká, Lucie | IMERs and IMARs: effective tool for isolation and study of highly heterogeneous glycoproteins | Czech Republic |
| 105 | Mikkelsen, Christian | Comparison of Magnetic and Hydrodynamic Interactions between Magnetically Tagged Particles in Microfluidic Systems | Denmark |
| 106 | Moore, Lee | Magnetic contrast agent enhances performance of a continuous flow sorting device | USA |

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| 107 | Rosengart, Axel | How to Achieve and Optimize Separation of Magnetic Carriers from Pulsatile Blood? | USA |
| 108 | Saiyed, Zainul | Use of magnetic particles for development of a new high throughput genome isolation method for genotyping and SNP analysis | India |
| 109 | Strachan, Norval | An Immunomagnetic Separator for Concentration of Pathogenic Microorganisms from Large Volume Samples | UK |
| 110 | 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

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| 111 | Billotey, Claire | Magnetic labeling with NPMA to track dendritic cells in vivo with MRI | France |
| 112 | Coroiu, Iliara | Proton NMR relaxivity of blood samples in the presence of some gadolinium and dysprosium compounds | Romania |
| 113 | Duguet, Etienne | Potential application of VUSPIO for MR angiography at low static magnetic field | France |
| 114 | Duguet, Etienne | Fluorescent VUSPIO for MR macrophage tracking in the CNS | France |
| 115 | Lee, Hyo-Sook | Synthesis of Ferrofluids based on Chitosan-SPIO by Sonochemical method for MRI-detected Embolotherapy | Korea |