

EURONANOMEDICINE 2009

**September 28-30, 2009
Bled, Slovenia**



Book of Abstracts incl. Programme



NANOEAR



◆ SCIENTIFIC COMMITTEE

The scientific committee comprises outstanding experts from the area of nanomedicine:

Silvio Aime, University of Torino/I

Paul J.A. Borm, MagnaMedics BV, Maastricht/NL

Holger Grüll, Philips Research Laboratories, Eindhoven/NL

Wim Hennink, Utrecht University/NL

Costas Kiparissides, Aristotele University of Thessaloniki/GR

Claus-Michael Lehr, Saarland University, Saarbrücken/D

Elias A. Lianos, University of Athens/GR

Martin Möller, Deutsches Wollforschungsinstitut an der RWTH Aachen e.V./D

Mamoun Muhammed, Royal Institute of Technology (KTH), Stockholm/S

Ilmari Pyykkö, University of Tampere/FIN

Gert Storm, Utrecht University/NL

Ernst Wagner, University of Munich/D

The scientific committee will ensure maximum benefit of scientific communication and opportunity for cooperation and discussion among the participants.

◆ ORGANISING COMMITTEE

Andreas Förster, DECHEMA e.V., Frankfurt am Main/D

Andrej Krzan, National Institute of Chemistry, Ljubljana/SLO

Nicole Seehaas, DECHEMA e.V., Frankfurt am Main/D

Peter Venturini, National Institute of Chemistry, Ljubljana/SLO

Kurt Wagemann, DECHEMA e.V., Frankfurt am Main/D

◆ ORGANISERS

The conference will be jointly organised by three FP6 European Integrated Projects

NanoBioPharmaceutics

www.nanobiopharmaceutics.org

NanoEar

www.nanoear.org

MediTrans

www.meditrans-ip.net



NANOEAR



◆ INVITED SPEAKERS

OPENING

Janez Potočnik, European Commission, Brussels/B (tbc)

INVITED LECTURES

Maria J. Alonso, University of Santiago de Compostela (USC)/E
Nanocarriers for transmucosal delivery of bioactive complex molecules

Elias Fattal, Université Paris-Sud, Chatenay-Malabry/F
Nanotechnologies for nucleic acid delivery and ultrasound imaging

Alexander T. Florence, Former Dean, University of London/UK
Climbing the Nanomountain

Ingeborg Hochmair, MED EL Hearing Implants, Innsbruck/A
The potential uses of nanotechnology for inner ear regeneration after cochlear implantation

J.W. Hans Hofstraat, Philips Research Laboratories, Eindhoven/NL
NanoMedicine: converging medical technologies impacting healthcare

Nick Mills, University of Edinburgh/UK
Cardiovascular effects of combustion derived nanoparticles: lessons for nanomedicine

Chrit Moonen, Université de Bordeaux/F
Local drug delivery with MR guided focused ultrasound

Jürgen Simon, Siemens AG, Erlangen/D
The ETP Nanomedicine - the industry's perspective on nanomedicine

Ernst Wagner, University of Munich/D
Dynamic functional nanodevices for tumor targeted nucleic acid therapy

◆ PROGRAMME OVERVIEW

MONDAY, SEPTEMBER 28, 2009

Political Day

	Room Jupiter
Chair:	A. Förster, DECHEMA e.V., Frankfurt am Main/D
13:40	Welcome J. Jamnik & P. Venturini, National Institute of Chemistry, Ljubljana/SLO
13:50	Welcome J. Kolar, Acting Director General - Science Directorate, Ministry of Higher Education, Science and Technology, Ljubljana/SLO
14:00	Opening Janez Potočnik, European Commission, Brussels/B (tbc)
14:20	Plenary 1 The ETP Nanomedicine - the industry's perspective on nanomedicine Jürgen Simon, Siemens AG, Erlangen/D
15:05	Plenary 2 NanoMedicine: converging medical technologies impacting healthcare J.W. Hans Hofstraat, Philips Research Laboratories, Eindhoven/NL
15:50	<i>Coffee Break</i>
16:20	NanoBioPharmaceutics: Challenges in targeted peptide drug delivery A. Bernkop-Schnürch, Thiomatrix GmbH, Innsbruck/A
16:50	MediTrans: An integrated FP6-project on targeted delivery of nanomedicine G. Storm, Utrecht University/NL
17:20	NanoEar: Nanotechnology-based drug delivery system in the inner ear - the NanoEar project I. Pyykkö, University of Tampere/FIN
17:50	ETP NanoMedicine: Current Activities P. Boisseau, CEA, Grenoble/F
18:20	Evening Lecture Climbing the Nanomountain Alexander T. Florence, Former Dean, University of London/UK
19:05	<i>Welcome Reception</i>
21:00	<i>End of first day</i>

◆ PROGRAMME OVERVIEW

TUESDAY, SEPTEMBER 29, 2009

	<i>Scientific Day</i>		
	Room Jupiter	Room Concordia	Room Libertas
09:00	Plenary 3 - room Jupiter Nanocarriers for transmucosal delivery of bioactive complex molecules Maria José Alonso, University of Santiago de Compostela (USC)/E		
	Targeted nanomedicines for cancer therapy	Oral drug delivery and targeting	Biocompatibility, cell and organ toxicity
09:45	Schiffelers	Collnot	Wagner
10:05	Prakash	Millotti	Lianos
10:25	Lindén	Borgogna	Groll
10:45	<i>Coffee Break</i>		
	Nanomedicine approaches for tackling challenging diseases	Oral drug delivery and targeting	Biocompatibility, cell and organ toxicity
11:15	Hribar	Bellich	Corbacella
11:35	Lammers	Coué	Fröhlich
11:55	Másson	Svedhem	Löbler
12:15	Plenary 4 - room Jupiter Cardiovascular effects of combustion derived nanoparticles: lessons for nanomedicine Nick Mills, University of Edinburgh/UK		
13:00	<i>Lunch</i>		
14:15	Plenary 5 - room Jupiter The potential uses of nanotechnology for inner ear regeneration after cochlear implantation Ingeborg Hochmair, MED EL Hearing Implants, Innsbruck/A		
	Targeting and regeneration of tissues	Oral drug delivery and targeting	Biocompatibility, cell and organ toxicity
15:00	Buckiova	Yildiz	Cerda
15:20	Zou	Gaware	Borm
15:40	Pearse	Krzan	
16:00	Poster Session		
17:15	<i>Break</i>		
18:00	<i>Social Event / Conference Dinner</i>		

◆ PROGRAMME OVERVIEW

WEDNESDAY, SEPTEMBER 30, 2009

	<i>Scientific Day</i>		
	Room Jupiter	Room Concordia	Room Libertas
09:00	Plenary 6 - room Jupiter Nanotechnologies for nucleic acid delivery and ultrasound imaging Elias Fattal, Université Paris-Sud, Chatenay-Malabry/F		
	New nanoparticle-based approaches for in-vivo diagnostics and therapy	Nasal and pulmonary drug delivery	Novel technologies in designing nanocarriers and targeting ligands
09:45	Agrawal	Lehr	Popeney
10:05	Perrier	Kiparissides	Scoles
10:25	Langereis	Hermanns	Dalton
10:45	<i>Coffee Break</i>		
	New nanoparticle-based approaches for in-vivo diagnostics and therapy	Overcoming the blood brain barrier	Chemical and physical vectors for pDNA and siRNA delivery
11:15	Sinner	Fricker	Hennink
11:35	Borros	Lamanna	Morille
11:55	Vasiljeva	Droumaguet	Raemdonck
12:15	Plenary 7 - room Jupiter Dynamic functional nanodevices for tumor targeted nucleic acid therapy Ernst Wagner, University of Munich/D		
13:00	<i>Lunch</i>		
	New nanoparticle-based approaches for in-vivo diagnostics and therapy	Overcoming the blood brain barrier	Chemical and physical vectors for pDNA and siRNA delivery
14:15	Cesàro	Johnston	Fischer
14:35	Vries	Pötgens	Buyens
14:55	Schneider	Krol	Høgset
15:15	Plenary 8 - room Jupiter Local drug delivery with MR guided focused ultrasound Chrit Moonen, Université de Bordeaux 2/F		
16:00	<i>End of conference</i>		

LECTURE PROGRAMME ON MONDAY, SEPTEMBER 28, 2009

	Room Jupiter	Page
Chair:	A. Förster, DECHEMA e.V., Frankfurt am Main/D	
13:40	WELCOME J. Jamnik and P. Venturini, National Institute of Chemistry, Ljubljana/SLO	
13:50	WELCOME J. Kolar, Acting Director General - Science Directorate, Ministry of Higher Education, Science and Technology, Ljubljana/SLO	
14:00	OPENING J. Potočnik, European Commission, Brussels/B (tbc)	
14:20	PLENARY LECTURE The ETP Nanomedicine - the industry's perspective on nanomedicine J. Simon, Siemens AG, Erlangen/D	20
15:05	PLENARY LECTURE NanoMedicine: converging medical technologies impacting healthcare J.W. Hans Hofstraat, Philips Research Laboratories, Eindhoven/NL	21
15:50	<i>Coffee Break</i>	
16:20	NanoBioPharmaceutics: challenges in targeted peptide drug delivery A. Bernkop-Schnürch, Thiomatrix GmbH, Innsbruck/A	22
16:50	MediTrans: an integrated FP6-project on targeted delivery of nanomedicine G. Storm, Utrecht University/NL	23
17:20	NanoEar: nanotechnology-based drug delivery system in the inner ear - the NanoEar project I. Pyykkö, University of Tampere/FIN	24
17:50	ETP NanoMedicine: current activities P. Boisseau, CEA, Grenoble/F	25
18:20	EVENING LECTURE Climbing the Nanomountain A. Florence, University of London/UK	26
19:05 – 21:00	<i>Welcome Reception</i>	

	LECTURE PROGRAMME ON TUESDAY, SEPTEMBER 29, 2009	Room Jupiter	Page
09:00	PLENARY LECTURE Nanocarriers for transmucosal delivery of bioactive complex molecules M. Alonso, University of Santiago de Compostela/E		27
	Targeted nanomedicines for cancer therapy		
09:45	Poly(amido amine) copolymers for siRNA delivery P. Vader, Utrecht University/NL; L.J. van der Aa, J.F.J. Engbersen, University of Twente, Enschede/NL; G. Storm, <u>R.M. Schiffelers</u> , Utrecht University/NL		29
10:05	A novel strategy to target tumor and stromal cells using a cyclic peptide against PDGFbeta-receptor coupled to albumin <u>J. Prakash</u> , A. de Jager-Krieken, E. Post, University of Groningen/NL; H. Steen, M. Hensing, BiOrion Technologies B.V., Groningen/NL; L. Beljaars, K. Poelstra, University of Groningen/NL		30
10:25	Intracellular delivery of hydrophobic agents using targeted mesoporous silica nanoparticles as drug carrier system J.M. Rosenholm, <u>M. Lindén</u> , E. Peuhu, A. Meinander, J.E. Erikson, C. Sahlgren, Åbo Akademi University, Turku/FIN		31
10:45	<i>Coffee Break</i>		
	Nanomedicine approaches for tackling challenging diseases		
11:15	Histidine residues as a tool for protein nanoparticle formation <u>G. Hribar</u> , A. Znidarsic, M. Bele, S. Caserman, V. Smilovic, P. Venturini, V. Gaberc-Porekar, National Institute of Chemistry, Ljubljana/SLO		32
11:35	Image-guided and passively tumor-targeted polymeric nanomedicines for radiochemotherapy <u>T. Lammers</u> , Utrecht University/NL; V. Subr, K. Ulbrich, Academy of Sciences of the Czech Republic, Prague/CZ; P. Peschke, F. Kiessling, P. Huber, German Cancer Research Center, Heidelberg/D; W. Hennink, G. Storm, Utrecht University/NL		33
11:55	Synthesis strategies for N-quaternized chitosan derivatives and investigation of the structure anti-bacterial activity relationship <u>M. Másson</u> , Ö.V. Rúnarsson, M. Hjálmarasdóttir, University of Iceland, Reykjavík/IS		34
12:15	PLENARY LECTURE Cardiovascular effects of combustion derived nanoparticles: lessons for nanomedicine <u>N.L. Mills</u> , R. Duffin, K. Donaldson, D.E. Newby, University of Edinburgh/UK		35
13:00	<i>Lunch Break</i>		
14:15	PLENARY LECTURE The potential uses of nanotechnology for inner ear regeneration after cochlear implantation I. Hochmair, MED EL Hearing Implants, Innsbruck/A		36
	Targeting and regeneration of tissues		
15:00	Effect of nanoparticles on cochlear structures after their application on the round window membrane in mouse and rat <u>D. Buckiova</u> , J. Popelar, T. Chumak, J. Syka, Academy of Science, Prague/CZ; S. Ranjan, R. Sood, P.K.J. Kinnunen, University of Helsinki/FIN; A.H. Johnston, T.A. Newman, University of Southampton/UK		37
15:20	Internalization of liposome nanoparticles functionalized with TrkB ligand in rat cochlear cell populations <u>J. Zou</u> , Y. Zhang, W. Zhang, University of Tampere/FIN; S. Ranjan, R. Sood, University of Helsinki/FIN; A. Mikhailov, University of Tampere/FIN; P. Kinnunen, University of Helsinki/FIN; I. Pyykkö, University of Tampere/FIN		38
15:40	Cell and biomaterial approaches for spinal cord injury repair <u>D. Pearse</u> , University of Miami, FL/USA; P. Dalton, University of Tampere/FIN		39
16:00	Poster Session		
17:15	<i>Break</i>		
18:00	Social Event / Conference Dinner		

	LECTURE PROGRAMME ON TUESDAY, SEPTEMBER 29, 2009	Room Concordia	Page
09:00	PLENARY LECTURE Nanocarriers for transmucosal delivery of bioactive complex molecules M. Alonso, University of Santiago de Compostela/E	Room Jupiter	27
	Oral drug delivery and targeting	Room Concordia	
09:45	The intestinal 'enhanced permeability and retention effect': passive targeting of PLGA nanocarriers in the treatment of Crohn's disease F. Leonard, E.-M. Collnot, C.-M. Lehr, Saarland University, Saarbrücken/D		40
10:05	Chitosan-6-mercaptopurinic acid: a novel thiomers for oral delivery of insulin G. Millotti, M. Filippi, S. Gottardi, A. Bernkop-Schnürch, University of Innsbruck/A		41
10:25	Polysaccharidic nanocarriers for oral drug delivery applications M. Borgogna, B. Bellich, A. Rampino, M. Cok, A. Cesàro, University of Trieste/I		43
10:45	<i>Coffee Break</i>		
11:15	Rheological and thermal characterization as a complementary tool in preformulation studies on protecting delivery systems B. Bellich, M. Borgogna, A. Cesàro, R. Lapasin, University of Trieste/I		44
11:35	Bioreducible poly(amidoamine)s for intracellular oral protein delivery G. Coué, J.F.J. Engbersen, University of Twente, Enschede/NL		45
11:55	Supported lipid membranes as nano-scale model systems for biological barriers S. Svedhem, A. Kunze, R. Frost, M. Edvardsson, Chalmers University of Technology, Göteborg/S; P. Sjövall, SP Technical Research Institute of Sweden, Borås/S; H. Ekstrand, B. Kasemo, Chalmers University of Technology, Göteborg/S		46
12:15	PLENARY LECTURE Combustion nanoparticles and cardiovascular effects: lessons for Nanomedicine N. Mills, University of Edinburgh/UK	Room Jupiter	35
13:00	Lunch Break		
14:15	PLENARY LECTURE The potential uses of nanotechnology for inner ear regeneration after cochlear implantation I. Hochmair, MED EL Hearing Implants, Innsbruck/A	Room Jupiter	36
15:00	In vivo evaluation of (des-gly)-glutathione monoethyl ester microemulsion L. Alparslan, G. Yildiz, L. Kanit, A. Yalcin, E. Karasulu, Ege University, Izmir/TR		47
15:20	Optimization of the tert-butylsilyl protection of chitosan and synthesis of N-(2-(N,N,N-trialkylammoniumyl)-acyl derivatives V. Gaware, O.V. Rúnarsson, B.E. Benediksdóttir, M. Masson, University of Iceland, Reykjavik/IS		49
15:40	Multiblock poly(L,L-lactide-co-L-aspartic acid) copolymers for nanoparticles for drug delivery A. Krzan, E. Zagar, U. Maver, A. Znidarsic, M. Bele, National Institute of Chemistry, Ljubljana/SLO		50
16:00	Poster Session		
17:15	<i>Break</i>		
18:00	Social Event / Conference Dinner		

	LECTURE PROGRAMME ON TUESDAY, SEPTEMBER 29, 2009	Room Libertas	Page
09:00	PLENARY LECTURE Nanocarriers for transmucosal delivery of bioactive complex molecules M. Alonso, University of Santiago de Compostela/E	Room Jupiter	27
	<i>Biocompatibility, cell and organ toxicity</i>	Room Libertas	
09:45	Nanoparticle-induced folding and fibril formation studied by alpha-helical coiled coil peptides <u>S.C. Wagner</u> , M. Roskamp, S. Schlecht, B. Kokschi, Freie Universität Berlin/D		51
10:05	Biocompatibility and uptake studies on hyperbranched polylysine nanoparticles M. Agallou, E. Karagouni, Hellenic Pasteur Institute, Athens/GR; Z. Kadlecova, H.A. Klok, EPFL, Lausanne/CH; <u>E. Lianos</u> , University of Athens/GR		52
10:25	Effects of surface chemistry and particle shape on phagocytic uptake of gold nanoparticles by primary human leukocytes M. Bartneck, H.A. Keul, RWTH Aachen/D; M. Bockstaller, Carnegie Mellon University, Pittsburgh, PA/USA; M. Moeller, RWTH Aachen/D; G. Swadlo-Klarwasser, University Hospital RWTH Aachen/D; <u>J. Groll</u> , RWTH Aachen/D		53
10:45	<i>Coffee Break</i>		
11:15	Evaluation of cell viability and cell toxicity in PC12 and OCK-3 as a function of polycation concentration and architecture <u>E. Corbacella</u> , L. Astolfi, University of Ferrara/I; Z. Kadlecova, H.-A. Klok, EPFL, Lausanne/CH; A. Martini, University of Ferrara/I		54
11:35	Size-dependent effects of nanoparticles on different populations of leukocytes B. Prietl, C. Samberger, T. Kueznik, G. Lanzer, T.R. Pieber, <u>E. Fröhlich</u> , Medical University of Graz/A		55
11:55	Stability of drug loaded nanoparticles - impact on drug delivery strategies H.W. Rohm, <u>M. Löbner</u> , K.P. Schmitz, Universität Rostock/D; A.H. Johnston, T.A. Newman, University of Southampton/UK; R. Sood, S. Ranjan, P.K.J. Kinnunen, University of Helsinki/FIN; T. Perrier, N. Lautram, P. Saulnier, University of Angers INSERM U646/F		56
12:15	PLENARY LECTURE Combustion nanoparticles and cardiovascular effects: lessons for Nanomedicine N. Mills, University of Edinburgh/UK	Room Jupiter	35
13:00	<i>Lunch Break</i>		
14:15	PLENARY LECTURE The potential uses of nanotechnology for inner ear regeneration after cochlear implantation I. Hochmair, MED EL Hearing Implants, Innsbruck/A	Room Jupiter	36
15:00	Activation of the complement by PLGA nanoparticles <u>B. Cerda</u> , Ch. Sevrin, Université de Liège/B; C. Patronidou, K. Kotti, O. Kammona, V. Karageorgiou, C. Kiparissides, University of Thessaloniki/GR; Ch. Grandfils, Université de Liège/B		57
15:20	Nanoparticles: the good, the bad and the ugly P. Borm, MagnaMedics Diagnostics BV, Maastricht/NL		58
16:00	<i>Poster Session</i>		
17:15	<i>Break</i>		
18:00	<i>Social Event / Conference Dinner</i>		

	LECTURE PROGRAMME ON WEDNESDAY, SEPTEMBER 30, 2009	Room Jupiter	Page
09:00	PLENARY LECTURE Nanotechnologies for nucleic acid delivery and ultrasound imaging <u>E. Fattal</u> , N. Tsapis, Université Paris-Sud, Chatenay-Malabry/F		59
	<i>New nanoparticle-based approaches for in-vivo diagnostics and therapy</i>		
09:45	MRI to monitor Rheumatoid Arthritis disease progression and regression, following treatment with a nanocarrier encapsulated drug <u>P.R. Agrawal</u> , G.J. Strijkers, Eindhoven University of Technology/NL; P. van Lent, A. Blom, W. van den Berg, University Medical Center Nijmegen/NL; B. Crielard, T. Lammers, G. Storm, Utrecht University/NL; K. Nicolay, Eindhoven University of Technology/NL		60
10:05	Multifunctional LipidicNanoCapsules(LNCs) for multipurpose nanomedicines: from imaging to drug delivery <u>T. Perrier</u> , F. Fouchet, N. Lautram, P. Saulnier, J.-P. Benoît, University of Angers INSERM U646/F		61
10:25	Magnetic resonance-guided imaging of temperature induced drug delivery <u>S. Langereis</u> , Philips Research Eindhoven/NL; M. de Smet, Eindhoven University of Technology/NL; E. Heijman, D. Burdinski, Philips Research Eindhoven/NL; J. Keupp, Philips Research Hamburg/D; H. Gruell, Eindhoven University of Technology/NL		62
10:45	<i>Coffee Break</i>		
	11:15		
11:15	Open flow microperfusion – a potential tool to monitor the penetration behaviour of nanoparticle in vivo F. Sinner, Joanneum Research, Graz/A	CHANGE	63
11:35	When the size matters: controlling the thermosensitivity behaviour of nanoparticles through particle size B. Albaiges, M. Sanchez-Purrà, <u>S. Borros</u> , Universitat Ramon Llull, Barcelona/E		64
11:55	Development of multifunctional magnetoliposomes for imaging and cancer treatment G. Mikhaylov, U. Mikac, A. Sepe, J. Stefan Institute, Ljubljana/SLO; A.A. Magaeva, V.I. Itin, S.G. Psakhye, Tomsk Scientific Center/RUS; V. Turk, B. Turk, <u>O. Vasiljeva</u> , J. Stefan Institute, Ljubljana/SLO		65
12:15	PLENARY LECTURE Dynamic functional nanodevices for tumor targeted nucleic acid therapy E. Wagner, University of Munich/D		66
13:00	<i>Lunch Break</i>		
	<i>New nanoparticle-based approaches for in-vivo diagnostics and therapy</i>		
14:15	Nanosized aggregates in iodurated contrast media: clustered soluble structures explaining their physical properties G. Giannini, F. Cuppo, L. Fontanive, L. Tavagnacco, <u>A. Cesàro</u> , University of Trieste/I; P. Mason, A. Lerbret, J.W. Brady, Cornell University, Ithaca, NY/USA; N. D'Amelio, A. Maiocchi, F. Uggeri, Bracco Imaging, Colliere Giacosa/I		67
14:35	Dual modality quantification of CT contrast agents by SPECT and spectral CT <u>A. de Vries</u> , Eindhoven University of Technology/NL; E. Rössl, J.P. Schlomka, R. Proksa, Philips Research, Hamburg/D; K. Nicolay, H. Grüll, Eindhoven University of Technology/NL		68
14:55	Modular carrier systems for flexible treatment and detection M. Schneider, Saarland University/D		69
15:15	PLENARY LECTURE Local drug delivery with MR guided focused ultrasound C. Moonen, Université de Bordeaux 2/F		70
16:00	End of conference		

	LECTURE PROGRAMME ON WEDNESDAY, SEPTEMBER 30, 2009	Room Concordia	Page
09:00	PLENARY LECTURE Nanotechnologies for nucleic acid delivery and ultrasound imaging <u>E. Fattal</u> , N. Tsapis, Université Paris-Sud, Chatenay-Malabry/F	Room Jupiter	59
	<i>Nasal and pulmonary drug delivery</i>	Room Concordia	
09:45	Respiratory nanomedicines - opportunities for improving drug delivery across the air-blood barrier N. Nafee, B. Loretz, M. Bur, M. Schneider, U.F. Schaefer, <u>C.-M. Lehr</u> , Saarland University, Saarbrücken/D		71
10:05	Synthesis of PLGA nanocarriers for nasal vaccination K. Kotti, V. Karageorgiou, CPERI, Thessaloniki/GR; C. Patronidou, CPERI/AUTH, Thessaloniki/GR; O. Kammona, CPERI, Thessaloniki/GR; <u>C. Kiparissides</u> , CERTH/AUTH, Thessaloniki/GR		72
10:25	An impaired alveolar-capillary barrier in vitro: effects on pulmonary drug/gene delivery <u>M.I. Hermanns</u> , J. Kasper, E. Stahr, C. Pohl, C. Uboldi, R. Unger, C. James Kirkpatrick, Unikliniken Mainz/D		73
10:45	<i>Coffee Break</i>		
	<i>Overcoming the blood brain barrier</i>		
11:15	Drug delivery to the brain by polymeric nanoparticles G. Fricker, University of Heidelberg/D		74
11:35	Brain-specific and polyfunctional dendritic (ME)MRI contrast agents D. Felder-Flesch, <u>G. Lamanna</u> , A. Bertin, Institut de Physique et Chimie des Matériaux de Strasbourg - CNRS/F		75
11:55	PEG-PACA nanoparticles functionalized by "click chemistry" for β-amyloid peptide targeting <u>B. Le Droumaguet</u> , J. Nicolas, P. Couvreur, K. Andrieux, Université Paris Sud XI, Châtenay-Malabry/F		76
12:15	PLENARY LECTURE Dynamic functional nanodevices for tumor targeted nucleic acid therapy E. Wagner, University of Munich/D	Room Jupiter	66
13:00	<i>Lunch Break</i>		
14:15	Block copolymer nanoparticles for targeted drug delivery to neurons <u>A.H. Johnston</u> , V.H.P. Perry, University of Southampton/UK; P.D. Dalton, University of Tampere/FIN; J. Groll, RWTH Aachen/D; T.A. Newman, University of Southampton/UK		77
14:35	Basic Erythropoietin Mimetic Peptide targeted penetration of Hydroxyethyl Starch particles into endothelial cells did not lead to detectable delivery into brain <u>A.J.G. Pötgens</u> , A. Rybka, M. Emgenbroich, H.-G. Frank, AplaGen GmbH, Baesweiler/D; C. Freese, R.E. Unger, C.J. Kirkpatrick, University of Mainz/D; P. Martinez-Martinez, H. Steinbusch, Maastricht University/NL		78
14:55	Coated nanogold and the brain – a detailed microscopic distribution study F. Sousa, S. Mandal, C. Garrovo, S. Biffi, AREA Science Park, Trieste/I; A. Astolfo, F. Arfelli, University of Trieste and INFN/I; R.H. Menk, AREA Science Park, Basovizza, Trieste/I; D. Latawiec, H.N. Ai Tran, G. Legname, AREA Science Park, Trieste/I; H.-J. Galla, University of Muenster/D; <u>S. Krol</u> , AREA Science Park, Trieste/I		79
15:15	PLENARY LECTURE Local drug delivery with MR guided focused ultrasound C. Moonen, Université de Bordeaux 2/F	Room Jupiter	70
16:00	End of conference		

	LECTURE PROGRAMME ON WEDNESDAY, SEPTEMBER 30, 2009	Room Libertas	Page
09:00	PLENARY LECTURE Nanotechnologies for nucleic acid delivery and ultrasound imaging <u>E. Fattal</u> , N. Tsapis, Université Paris-Sud, Chatenay-Malabry/F	Room Jupiter	59
	Novel technologies in designing nanocarriers and targeting ligands	Room Libertas	
09:45	Structurally well-defined micelles from polyglycerol-based nonionic amphiphiles for drug delivery applications B. Trappmann, Free University of Berlin and University of Dortmund/D; <u>C.S. Popeney</u> , K. Ludwig, M. Radowski, C. Boettcher, Free University of Berlin/D; H. Rehage, University of Dortmund/D; R. Haag, Free University of Berlin/D		80
10:05	Towards multi-protein nanoarrays for medical applications <u>G. Scoles</u> , F. Bano, Scuola Internazionale Superiore di Studi Avanzati (SISSA), Trieste/I; L. Casalis, Elettra Synchrotron Laboratory, Trieste/I		82
10:25	Hightthroughput analysis of binding and internalization dynamics of the nanoparticles <u>P. Dalton</u> , A. Mikhailov, University of Tampere/FIN; E. Talvitie, Tampere University of Technology/FIN; J. Rosenholm, Åbo Akademi University, Turku/FIN; K. Paavilainen, M. Kellomaki, Tampere University of Technology/FIN; M. Lindén, Åbo Akademi University, Turku/FIN; I. Pyykkö, University of Tampere/FIN		83
10:45	<i>Coffee Break</i>		
	Chemical and physical vectors for pDNA and siRNA delivery		
11:15	Gene delivery with biodegradable polymers <u>W.E. Hennink</u> , J. Luten, A.M. Funhoff, H.K. de Wolf, X. Jiang, C.F. van Nostrum, G. Storm, Utrecht University/NL		84
11:35	Long-circulating DNA lipid nanocapsules: a new vector for systemic gene delivery in tumors <u>M. Morille</u> , C. Passirani, University of Angers Inserm U646/F; T. Montier, N. Carmoy, Université de Bretagne, Brest/F; J. Eyer, UPRES-EA3143 INSERM IFR132, Angers/F; J-P. Benoit, University of Angers Inserm U646/F		86
11:55	Evaluation of a dextran nanogel concept for intracellular siRNA delivery <u>K. Raemdonck</u> , B. Naeye, J. Demeester, S.C. De Smedt, Ghent University/B		87
12:15	PLENARY LECTURE Dynamic functional nanodevices for tumor targeted nucleic acid therapy E. Wagner, University of Munich/D	Room Jupiter	66
13:00	Lunch Break		
14:15	siRNA transfection by dendritic core-shell nanocarriers <u>W. Fischer</u> , Free University Berlin/D; P. Ofek, R. Satchi-Fainaro, Tel Aviv University/IL; R. Haag, Free University Berlin/D		88
14:35	'Single particle tracking' for studying the aggregation of nanoparticles in whole blood <u>K. Buyens</u> , K. Braeckmans, J. Demeester, S.C. De Smedt, N.N. Sanders, Ghent University/B		89
14:55	Light induced delivery of siRNA by photochemical internalisation <u>A. Høgset</u> , PCI Biotech AS, Oslo/N; S. Bøe, E. Hovig, K. Berg, The Norwegian Radium Hospital, Oslo/N		90
15:15	PLENARY LECTURE Local drug delivery with MR guided focused ultrasound C. Moonen, Université de Bordeaux 2/F	Room Jupiter	70
16:00	End of conference		

Poster no.	POSTER PROGRAMME	Page
	Targeted nanomedicine: therapeutic concepts	
1.01	N-selective "one pot synthesis" of N,N,N-trimethylchitosan (TMC) and C-6 oxidation V. Gaware, O.V. Rúnarsson, R. Regli, J. Guðmundsson, M. Masson, University of Iceland, Reykjavik/IS	91
1.02	Adenovirus dodecahedron, a drug delivery vector E. Szolajska, M. Zochowska, Polish Academy of Sciences, Warsaw/PL; G. Schoehn, Institut de Virologie Moléculaire et Structurale, Grenoble/F; J. Chroboczek, Institut de Biologie Structurale, Grenoble/F	92
1.03	Influence of PEGylation of TNF-alpha analogues on pharmacokinetics and toxicity S. Skrajnar, M. Kenig, M. Cerne, Lek Pharmaceuticals d.d., Ljubljana/SLO	93
1.04	Design of polymeric nanoparticles to improve the biological effect of new type 1 17β-hydroxysteroid dehydrogenase inhibitors on breast cancer cells P. Kocbek, P. Brozic, K. Teskac, T. Lanisnik-Rizner, S. Gobec, J. Kristl, University of Ljubljana/SLO	94
1.05	Polymer microparticles for drug delivery to endothelium M. Gadzinowski, S. Slomkowski, Polish Academy of Sciences, Lodz/PL; P. Wacinski, Medical Academy of Lublin/PL	95
1.06	Effects of mitochondria-targeted antioxidants on acute renal failure S.S. Jankauskas, A.A. Chupyrkina, E.Y. Plotnikov, Moscow State University/RUS; A.V. Kazachenko, V.I. Kirpatovsky, Research Institute of Urology, Moscow/RUS; D.B. Zorov, Moscow State University/RUS	96
1.07	Establishment and validation of a porcine <i>in vitro</i> model of the Blood-Brain Barrier C. Beisswenger, U. Bock, E. Haltner-Ukomadu, Across Barriers GmbH, Saarbrücken/D	97
1.08	Glycerolipidic prodrug of didanosine encapsulated into PEGylated nanoparticles: an approach to treat HIV-1 associated dementia L.A. Pierson, J. Bourgeois, M. Lalanne, J. Nicolas, V. Marsaud, V. Nicolas, P. Couvreur, K. Andrieux, University of Paris Sud, Chatenay-Malabry/F	98
1.09	Nanoparticles for therapy of Alzheimer's disease: PEG-PACA NPs ability to link the Aβ peptide 1-42 and to influence its aggregation kinetic D. Brambilla, J. Nicolas, P. Couvreur, K. Andrieux, University of Paris-Sud XI, Chatenay-Malabry/F	99
	Overcoming biological barriers: mechanisms and delivery technologies	
2.10	Sample preparation development for liquid chromatography-mass spectrometry based peptide quantification in brain homogenate for the purpose of blood-brain-delivery testing K.E. Pickl, C. Magnes, Joanneum Research, Graz/A; T.R. Pieber, Medical University of Graz/A; H.G. Frank, AplaGen, Baesweiler/D; C. Schmitz, University of Maastricht/NL; F.M. Sinner, Joanneum Research, Graz/A	100
2.11	Computational model of drug release in the nasal cavity A.H. Alexopoulos, CPERI, Thessaloniki/GR; P. Karakosta, CPERI / AUTH, Thessaloniki/GR; C. Kiparissides, CERTH / AUTH, Thessaloniki/GR	102
2.12	3,6-O-di-tert-butyl-dimethylsilyl-protected chitosan is a useful precursor for N-selective alkylation B.E. Benediktsdottir, Ö. Rúnarsson, M. Másson, University of Iceland, Reykjavik/IS	103
2.13	A new human bronchial epithelial cell line, VA10, as a model system for studying effects of nanomaterials on tight junctions B.E. Benediktsdottir, University of Iceland, Reykjavik/IS; Ó. Baldursson, Landspítali Hospital, Reykjavik/IS; G.H. Guðmundsson, S. Halldórsson, University of Iceland, Reykjavik/IS; Þ. Guðjónsson, Landspítali Hospital, Reykjavik/IS	104
2.14	Reduced phagocytosis of pegylated nanosized liposomes by alveolar macrophages J. Folz, M. Bur, E.-M. Collnot, Saarland University, Saarbrücken/D; B.J. Crielaard, T. Lammers, G. Storm, Utrecht University/NL; C.-M. Lehr, Saarland University, Saarbrücken/D	105
2.16	Thiomer nanoparticles formulations: mucoadhesive characteristics in rats F. Sarti, D. Sakloetsakun, A. Bernkop-Schnürch, University of Innsbruck/A	106

Poster no.	POSTER PROGRAMME	Page
2.17	Block copolymers of poly(beta-benzyl L-aspartate)s and poly(gamma-benzyl L-glutamate)s with L,L-lactide B. Brulc, I. Poljansek, E. Zagar, M. Zigon, National Institute of Chemistry, Ljubljana/SLO; M. Gadzinowski, S. Slomkowski, Centre of Molecular and Macromolecular Studies, Lodz/PL	108
2.18	The influence of efflux pumps on the mucosal uptake of therapeutic peptides rich in hydrophilic amino acids G. Shahnaz, G. Perera, A. Bernkop-Schnürch, University of Innsbruck/A	109
2.19	Development of a nanoparticulate delivery system for a targeted drug release in the bladder J. Barthelmes, S. Dünnhaupt, J. Hombach, G. Perera, A. Bernkop-Schnürch, University of Innsbruck/A	110
2.20	Dexamethasone eluting cochlear electrode array: in-vitro and in-vivo results C. Jolly, MED EL, Innsbruck/A; H. Mirzadeh, Iran Polymer and Petrochemical Institute, Tehran/IR; J. Kiefer, HNO-Zentrum Regensburg/D; Y. Liu, C. Fauser, Klinikum rechts der Isar, Munich/D; A. Martini, S. Hastzopoulos, L. Astolfi, Universitaria S. Anna di Ferrara/I; C. Garnham, R. Hessler, MED EL, Innsbruck/A; J. Tillein, S. Braun, University of Frankfurt am Main/D	111
2.23	Experimental design for optimization of the material properties of silicone drug delivery matrix and <i>in vitro</i> transdermal permeations studies B.S. Snorraddottir, University of Iceland, Reykjavik/IS; F. Thorsteinsson, P.I. Gudnason, Össur hf., Reykjavik/IS; M. Masson, University of Iceland, Reykjavik/IS	112
2.24	Solid Lipid Nanoparticles (SLN) - an innovative carrier system for Sphingosine-1-phosphate (S1P) P. Schlupp, T. Schmidts, C. Siewert, U. Mäder, University of Applied Science Giessen/D; W. Mehnert, Freie Universität Berlin/D; M. Fiebich, F. Runkel, University of Applied Science Giessen/D	113
	<i>New nanoparticle-based approaches for in-vivo diagnostics and therapy</i>	
3.25	In vitro toxicity of functionalized MWCNTs and Fullerenes: exploring cellular behaviour, and physical-chemical interferences R. Bonafè, P. Bardini, S. Bussi, A. Maiocchi, Bracco Imaging SpA, Colliere Giacosa/I	114
3.26	Silica nanoparticles can specifically target inflammatory molecules L. Bergman, A. Duchanoy, J.M. Rosenholm, M. Lindén, Åbo Akademi University, Turku/FIN; K. Aalto, S. Jalkanen, A.-B. Öst, J. Heino, University of Turku/FIN	116
3.27	Ferrite nanobeads for lung diseases diagnostics K. Syslová, P. Kacer, Institute of Chemical Technology, Prague/CZ; M. Kuzma, Czech Academy of Science, Prague/CZ; S. Vlcková, Z. Fenclová, J. Lebedová, D. Pelclová, Charles University, Prague/CZ	117
3.28	Immunomagnetic nanoparticles: a tool for monitoring risk of oxidative stress induced disorders P. Kacer, K. Syslová, Institute of Chemical Technology, Prague/CZ; M. Kuzma, Czech Academy of Science, Prague/CZ; S. Vlcková, Z. Fenclová, J. Lebedová, D. Pelclová, Charles University Prague/CZ	118
3.29	Fluorescent biocompatible nanoparticles - tool for monitoring intracellular transport M. Gadzinowski, S. Sosnowski, M. Gosecki, S. Slomkowski, Polish Academy of Sciences, Lodz/PL	119
3.30	Molecular NMR and EPR in vivo detection of apoptosis using specific phosphatidylserin-targeted iron oxide particles K. Radermacher, Université Catholique de Louvain, Brussels/B; S. Laurent, S. Boutry, I. Mahieu, L. Vander Elst, University of Mons/B; C. Bouzin, O. Feron, B.F. Jordan, Université Catholique de Louvain, Brussels/B; R.N. Muller, University of Mons/B; B. Gallez, Université Catholique de Louvain, Brussels/B	120
3.31	Mn loaded apoferritin (Mn-Apo): an improved MRI contrast agent for liver imaging F. Kalman, S. Geninatti-Crich, I. Szabo, S. Lanzardo, S. Aime, University of Torino/I	121

Poster no.	POSTER PROGRAMME	Page
3.32	A Boron/Gd/LDL adduct for imaging-guided neutron capture therapy I. Szabo, S. Geninatti-Crich, D. Alberti, S. Lanzardo, A. Toppino, A. Deagostino, P. Venturello, S. Aime, University of Torino/I	122
3.33	Nanoparticles as novel drug delivery system for inner ear treatment: cell-uptake and -toxicity studies in vitro and in vivo V. Scheper, M. Wolf, Medical University of Hannover/D; Z. Kadlecova, H.A. Klok, École Polytechnique Fédérale de Lausanne/CH; T. Perrier, P. Saulnier, University of Angers INSERM U646/F; P.D. Dalton, A.H. Johnston, T.A. Newman, University of Southampton/UK; T. Lenarz, T. Stöver, Medical University of Hannover/D	123
3.34	Super Targeted Therapy Concept by coupling autologous targeted substances with nanoparticles (STTC) N.W. Klehr, L.H. Bauer, Z. Grzeta, S. Sowa, Dr. Klehr Institut für Immunologie und Zellbiologie GmbH, München/D	124
3.35	Different types of zinc-decorated nanoparticles for histidine-reach protein binding and controlled release M. Bele, G. Hribar, A. Znidarsic, V. Gaberc-Porekar, M. Zorko, P. Venturini, U. Maver, M. Gaberscek, National Institute of Chemistry, Ljubljana/SLO; S. Campelj, D. Makovec, Jozef Stefan Institute, Ljubljana/SLO	125
3.36	Multifunctional nanoparticles for simultaneous targeted drug delivery and visualization A. Fornara, J. Qin, Royal Institute of Technology, Kista/S; J. Zou, University of Tampere/FIN; M. Toprak, M. Muhammed, Royal Institute of Technology, Kista/S	126
3.38	Imaging the Apparent Diffusion Coefficient (ADC) by magnetic resonance methods with anisotropic nanoprobos V. Negri, P. Ballesteros, Universidad Nacional de Educación a Distancia (UNED), Madrid/E; A. Cerpa, Universidad Europea de Madrid (UEM), Madrid/E; P. López-Larrubia, L. Nieto, S. Cerdán, Consejo Superior de Investigaciones Científicas (CSIC), Madrid/E	127
3.39	Magnetic nanoparticles as imaging agents for magnetic particle imaging H. Gruell, N. Haex, J. van Zanten, D. Markov, D. Burdinski, H. Boeve, Philips Research Eindhoven/NL	128
3.40	In vitro investigations: interactions between nanoparticles and intestinal mucosa S. Dünnhaupt, J. Hombach, J. Barthelmes, A. Bernkop-Schnürch, University of Innsbruck/A	129
3.41	Biocompatible and degradable nanogels via addition reactions in inverse miniemulsion as delivery vehicles for proteins J. Groll, S. Singh, K. Albrecht, A. Henke, M. Moeller, RWTH Aachen University/D	130
3.42	Pluronic F127 ferrogels for magnetically controlled drug release J. Qin, A. Fornara, Kungliga Tekniska Högskolan, Kista, Stockholm/S; S. Laurent, R.N. Muller, Université de Mons-Hainaut/B; M. Muhammed, Kungliga Tekniska Högskolan, Kista, Stockholm/S	131
	Nanomedicine and regenerative medicine	
4.43	Nano-sized drug carriers and their interactions with biomimetic model membranes R. Frost, Chalmers University of Technology, Göteborg/S; B. Cerda, C. Grandfils, University of Liège/B; B. Kasemo, S. Svedhem, Chalmers University of Technology, Göteborg/S	132
4.44	Adsorption and uptake of gold nanoparticles of different sizes, shapes and coatings in endothelial cells from different locations in the body C. Freese, C. Uboldi, University of Mainz/D; M.I. Gibson, H.-A. Klok, Ecole Polytechnique Fédérale de Lausanne/CH; R.E. Unger, C.J. Kirkpatrick, University of Mainz/D	133
4.45	Cell specific targeting by multifunctional nanoparticles conjugated with peptide A 371 ligand, having higher affinity for Trk and p75 receptors in the cells of mice cochlear organotypic culture model S. Roy, Medical University of Innsbruck/A; A.H. Johnston, T.A. Newman, University of Southampton/UK; R. Glueckert, M. Bitsche, Medical University and University Clinics of Innsbruck/A; G. Rieger, A.S. Fischer, Medical University of Innsbruck/A	134

Poster no.	POSTER PROGRAMME	Page
4.46	Metal ions and their effect on fibroblasts and neuronal cells T. Stöver, C. Rösl, P. Ceschi, <u>V. Scheper</u> , Hannover Medical School/D; A. Hahn, S. Barcikowski, Laser Centrum Hannover/D; H. Rohm, K. Sternberg, Rostock University/D; T. Lenarz, G. Paasche, Hannover Medical School/D	135
4.47	Internalization of porous hybrid silica nanoparticles into HeLa Cells S. Willman, University of Jyväskylä/FIN; J.M. Rosenholm, Abo Akademi University, Turku/FIN; I. Pyykkö, University of Tampere/FIN; M. Lindén, Abo Akademi University, Turku/FIN; <u>M. Vihinen-Ranta</u> , University of Jyväskylä/FIN	136
4.48	Polymer scaffolds containing silica particles with interfacial properties adaptable to environment <u>S. Slomkowski</u> , S. Sosnowski, P. Wozniak, Polish Academy of Sciences, Lodz/PL; J. Wojtowicz, R. Olkowski, M. Lewandowska-Szumiel, Medical University of Warsaw/PL	137
4.49	Differentiation between different proteins on gold substrate using force spectroscopy <u>U. Maver</u> , A. Znidarsic, M. Zorko, M. Bele, J. Jamnik, M. Gaberscek, National Institute of Chemistry, Ljubljana/SLO	138
4.50	Melt electrospinning of nanofibres: properties and applications <u>P.D. Dalton</u> , University of Tampere/FIN; K. Klinkhammer, D. Grafahrand, J. Lleixà-Calvet, RWTH Aachen/D; N. Joergensen, University of Southampton/UK; J. Groll, D. Klee, M. Moeller, RWTH Aachen/D	139
4.51	Protein expression in the human cochlea – basis for nanoparticle application and targeting to treat neural deafness <u>W. Liu</u> , M. Boström, A. Kinnefors, Uppsala University Hospital/S; A. Johnston, T. Newman, University of Southampton/UK; T. Perrier, P. Saulnier, Université d'Angers-INSERM U646/F; H. Rask-Andersen, Uppsala University Hospital/S	140
4.52	A complex methodological approach for studying the specific effects of drug-loaded nanoparticles on hearing function in the rat <u>J. Popelar</u> , T. Chumak, N. Rybalko, J. Syka, Academy of Sciences, Prague/CZ; S. Ranjan, R. Sood, P.K.J. Kinnunen, University of Helsinki/FIN; A.H. Johnston, T.A. Newman, University of Southampton/UK	141
4.53	Hyaluronan-based mixed hydrogels: a potential for biomedical applications <u>A. Gamini</u> , M. Borgogna, A. Cesàro, University of Trieste/I	142
	Nanomedicines for gene delivery	
5.55	A non-viral vector for gene delivery tested on an <i>in vitro</i> co-culture model of the alveolo-capillary barrier <u>J. Kasper</u> , M.I. Hermanns, University of Mainz/D; P. Dubruel, E. Schacht, University of Ghent/B; R.E. Unger, C.J. Kirkpatrick, University of Mainz/D	143
5.56	Interactions between PPI dendrimers with modified surface and DNA <u>O. Liszka</u> , P. Pietras, University of Lodz/PL; D. Appelhans, B. Voit, Leibniz Institute of Polymer Research, Dresden/D; B. Klajnert, M. Bryszewska, University of Lodz/PL	144
5.57	Silica (SiO₂) coated maghemite (γ-Fe₂O₃) nanoparticles are not cytotoxic for different cell lines <i>in vitro</i> <u>S. Prijic</u> , A. Kosak, A. Znidarsic, Kolektor Nanotesla Institute, Ljubljana/SLO; M. Cemazar, G. Sersa, Institute of Oncology, Ljubljana/SLO	145
5.58	Polypropyleneimine dendrimers as vectors of nucleic acids for anti-HIV1 therapy <u>E. Pedziwiatr</u> , M. Ferenc, B. Klajnert, M. Bryszewska, University of Lodz/PL	146
5.59	Lipoplex loaded microbubbles for ultrasound triggered gene delivery <u>I. Lentacker</u> , S.C. De Smedt, N. Sanders, Ghent University/B	147
5.60	Optimization of biodegradable dextran nanogels for controlled siRNA delivery <u>B. Naeye</u> , K. Raemdonck, S.C. De Smedt, Ghent University/B	148

Poster no.	POSTER PROGRAMME	Page
	<i>The Safety of Nanomaterials for Medical Applications</i>	
6.61	Tracing pluronic F127 polymer coated superparamagnetic iron oxide nanoparticles in the rodent inner ear with 4.7 T MRI J. Zou, W. Zhang, University of Tampere/FIN; J. Qin, Royal Institute of Technology, Stockholm/S; <u>D. Poe</u> , University of Tampere/FIN; U. Ramadan, Helsinki University/FIN; A. Fornara, M. Muhammed, Royal Institute of Technology, Stockholm/S; I. Pyykkö, University of Tampere/FIN	150
6.63	FT-IR studies of properties of potentized inorganic nanodilutions <u>A. Delinick</u> , C.A. Sikalidis, Aristotle University of Thessaloniki/GR	151
6.64	Electrochemical deposition of hydroxyapatite/Ag composite coatings on titanium alloy surface <u>J. Kadlec</u> , University of Defence, Brno/CZ; M. Dvorak, Brno University of Technology/CZ	152
	<i>Last-Minute-Poster</i>	
LMP.65	New lipid nanoparticles formulation for imaging and drug delivery purposes T. Delmas, <u>P. Boisseau</u> , F.P. Navarro, I. Texier, J. Bibette, F. Vinet, A.-C. Couffin, CEA, Grenoble/F	153
LMP.66	Drug delivery systems based on short carbon nanotubes <u>S. Foillard</u> , E. Doris, CEA-Saclay, Gif-sur-Yvette/F	154
LMP.67	Photochemical internalization (PCI)-mediated enhancement of gene silencing efficiency of polymethacrylates and N,N,N-trimethylated chitosan (TMC) based siRNA polyplexes <u>A.K. Varkouhi</u> , R.M. Schiffelers, M.J. van Steenberg, T. Lammers, W.E. Hennink, G. Storm, Utrecht University/NL	155
LMP.68	Dye-containing liposomes for heat-triggered release <u>C. Oerlemans</u> , J.F.W. Nijsen, M. van Amersfoort, University Medical Center, Utrecht/NL; L. van Bloois, Utrecht University/NL; M.A. van den Bosch, P.R. Luijten, University Medical Center, Utrecht/NL; G. Storm, Utrecht University/NL	156
LMP.69	Nanosystems containing holmium for image guided drug delivery <u>A. Paradisis</u> , University Medical Center, Utrecht/NL; M. Talleli, Utrecht University/NL; W. Bult, P.R. Luijten, University Medical Center, Utrecht/NL; G. Storm, W.E. Hennink, Utrecht University/NL; J.F.W. Nijsen, University Medical Center Utrecht/NL	157
LMP.70	Application of cell membrane model to assess the penetration ability of drug and drug-conjugates K. Hill, Cs. Péntzes, Eötvös University, Budapest/H; K. Horváti, Sz. Bószé, T. Keszthelyi, Hungarian Academy of Sciences, Budapest/H; <u>É. Kiss</u> , Eötvös University, Budapest/H	158

◆ SOCIAL PROGRAMME

WELCOME RECEPTION

Monday, 28 September 2009, 19:05 - 21:00

Welcome Reception at Golf Hotel, Cankarjeva 4, 4260 Bled/Slovenia

The organisers welcome all participants at Golf Hotel where the conference will take place. Drinks and snacks will be served by invitation of the organiser. Free of charge – registration is necessary.

CONFERENCE DINNER

Tuesday, 29 September 2009, 18:00 - 23:00

Transfer to Bled castle incl. english speaking guides. A group of actors welcomes you on the lower plateau of the castle. Bled castle is the oldest castle in Slovenia, first mentioned in a 1011 donation deed as castellum Veldes. Transfer back to Bled to Grand Hotel Toplice where the dinner will be served. Enjoy the shore of the lake with a superb view to the lake and castle.

Costs per person: EUR 75,--. Transportation, drinks and three-course menu included. Registration is necessary.



◆ GENERAL INFORMATION

VENUE/LOCATION

Golf Hotel
Cankarjeva 4, 4260 Bled/Slovenia
www.gp-hoteli-bled.com



◆ CONFERENCE OFFICE

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