



3rd International Conference “Current Trends of Cancer Theranostics”
 June 25-29, 2017
 Pakruojis, Lithuania

Conference Program

Sunday (25th June)

Language: English

Venue: Riga Airport

Time	Event
17.00	Ground transportation from Riga Airport to Pakruojis Manor
19.00-20.00	Arriving to Pakruojis Manor
20.00-22.30	Registration & Welcome Reception (Get together at „Traktierius“)

Monday (26th June)

Language: English

Venue: Water mill, Pakruojis Manor

Time	Presenter	Institution	Title of the Lecture
8.30-9.10	Registration of the participants		
Opening Ceremony			
9.10-9.15	Dr. Vladimir Sivakov	Baltic Sea Network Coordinator, Leibniz Institute of Photonic Technology, Germany	Baltic Sea Network and CTCT President Welcome Address
9.15-9.20	Dr. Simas Sakirzanovas	Faculty of Chemistry and Geosciences, Vilnius University	Vice Dean of Faculty of Chemistry and Geosciences, Vilnius University Welcome Address
9.20-9.25	Mayor of Pakruojis Saulius Gegieckas	Pakruojis District Municipality	Welcome Address
9.25-9.30	Baron of Pakruojis Manor	Pakruojis Manor	Welcome Address
Session 1 Biomaterials for Cancer Theranostics – Drug Delivery Agents			
Chairman: Dr. Vladimir Sivakov			
9.30-10.15	Prof. Helder Santos <i>Keynote</i>	University of Helsinki, Finland	Multifunctional Nanomaterials for Drug Delivery and Theranostic Applications
10.15-10.50	Prof. Chia-Liang Cheng <i>Invited</i>	Department of Physics, National Dong Hwa University, Taiwan	The Effect of Autophagy Modulation on Drug Loading and the Efficiency of Nanodiamond-Anticancer Drug Complexes in Cancer Treatment
10.50-11.30	Coffee break		

Organizers



Sponsors





3rd International Conference “Current Trends of Cancer Theranostics”
June 25-29, 2017
Pakruojis, Lithuania

Session 2 Upconverting nanomaterials for biomedical applications			
Chairman: Prof. Chia-Liang Cheng			
11.30-12.15	Prof. Julia Perez Prieto <i>Keynote</i>	Universidad de Valencia, Spain	Strategies for Assembling Functional Systems with Upconversion Nanoparticles
12.15-12.45	Prof. Ricardas Rotomskis	National Cancer Institute, Lithuania	Spectroscopy and Biocompatibility of Multimodal Core & Core/Shell Upconverting Nanoparticles
12.35-13.00	Prof. Arturas Ramanavicius	Vilnius University, Lithuania	Scanning Electrochemical Microscopy for Investigation of Bio-Modified Surfaces
13.00-14.30	Lunch		
Session 3 Young Scientists' Poster Session and Companies Presentation			
Chairmans: Vladimir Sivakov & Simas Sakirzanovas			
14.45-15.15 Elevator Pitch Talks of Young Researchers			
15.15-15.45 Companies Presentations			
15.45-17.00 Poster Session “Science&Coffee”			
18.00-20.00	Traditional Lithuania Brewery		

Tuesday (27th June)

Language: English

Venue: Water mill, Pakruojis Manor

Time	Presenter	Institution	Title of the Lecture
Session 4 Tumor Visualization – New ways in Cancer Diagnostic			
Chairman: Dr. Jithin Jose			
9.00-9.45	Prof. Valery Tuchin <i>Keynote</i>	Saratov State University – National Research, Russia	The Benefits of Tissue Optical Clearing for Cancer Theranostics
9.45-10.20	Dr. Jithin Jose <i>Invited</i>	FUJIFILM Visualsonics, The Netherlands	In-Vivo Photoacoustic Molecular Imaging and Therapy of Tumor
10.20-10.55	Dr. Tatiana Novikova <i>Invited</i>	LPICM, CNRS, Ecole polytechnique, France	Tumor Visualization with Multi-Spectral Imaging Mueller Polarimetry
10.55-11.30	Coffee break		



Organizers



Sponsors





3rd International Conference “**Current Trends of Cancer Theranostics**”
 June 25-29, 2017
 Pakruojis, Lithuania

Session 5 Biomaterials for Cancer Theranostics – Drug Delivery Agents-II			
Chairman: Prof. Vesa-Pekka Lehto			
11.30-12.05	Dr. Arunas Jagminas	State Research Institute Center for Physical Sciences and Technology, Lithuania	Methionine-Mediated Synthesis and Functionalization with Gold Quantum Dots of Magnetic Nanoparticles for Theranostic Applications
12.05-12.35	PhD Student Artiom Skripka	Institute National de la Recherche Scientifique, Canada	Designing Advanced Theranostic Tools – Combination of Optical Thermometers and Heaters in a Single Nanoplatform
12.35-13.05	Dr. Shaista Ilyas	Institute of Inorganic & Materials Chemistry, University of Cologne, Germany	Functionalization and Biological Evaluation of Iron Oxide Nanoprobes for Target Specific Biomedical Applications
13.05-14.30	Lunch		
Session 6 Biomaterials for Cancer Theranostics – Drug Delivery Agents-III			
Chairman: Dr. Shaista Ilyas			
14.30-15.05	Prof. Vesa-Pekka Lehto <i>Invited</i>	University of Eastern Finland, Finland	Integration of Several Functionalities in One Inorganic Drug Carrier for Theranostic Approach Against Cancer
15.05-15.40	Dr. Alain Geloën	U1060 INSERM	Intracellular Detection of Nanoparticles Using the Tomographic Microscope Nanolive
15.40-16.00	PhD Student Konstantin Tamarov	M.V. Lomonosov Moscow State University, Russia	Biocompatible Contrast Agent Based on Selectively Modified Porous Silicon Nanoparticles for Ultrasound Diagnostics
16.00-16.30	Coffee break		
16.30-17.30	Meeting of European THERASIL Consortium and CTCT-2018 organizing committee		
18.00-21.00	Excursion with baroness Aleksandra and Conference Dinner		



Organizers



Sponsors

FUJIFILM

VISUALSONICS

ThermoFisher SCIENTIFIC

LaboChema

EKSPLA

GRIDA



3rd International Conference “Current Trends of Cancer Theranostics”
 June 25-29, 2017
 Pakruojis, Lithuania

Wednesday (28th June)

Language: English

Venue: Water mill, Pakruojis Manor

Time	Presenter	Institution	Title of the Lecture
Session 7 Cancer Therapy			
Chairman: Dr. Ekaterina Borisova			
9.00-9.45	Dr. Sofia Dembski <i>Keynote</i>	Fraunhofer Institute for Silicate Research ISC, Germany	New Trends in Particular Theranostics
9.45-10.20	Dr. Alla Bucharskaya <i>Invited</i>	Saratov State Medical University, Russia	Plasmonic Photothermal Therapy: Approaches to Advanced Strategy
10.20-10.55	Prof. Sandrine Gerber <i>Invited</i>	Ecole Polytechnique Fédérale de Lausanne, Switzerland	Multifunctional Harmonic Nanoparticles for Targeted Cancer Imaging
10.55-11.30	Coffee break		
Session 8 Cancer Therapy			
Chairman: Dr. Sofia Dembski			
11.30-12.05	Dr. Ekaterina Borisova <i>Invited</i>	Institute of Electronics, Bulgaria	Optical Biopsy of Skin Cancer for Initial Diagnosis and Electrochemotherapy Monitoring
12.05-12.25	PhD Student Markus Schütz	University of Cologne, Germany	Innovative Nano Assembly by Link Chemistry
12.25-12.45	PhD. Student Isabel Gessner	University of Cologne, Germany	Magnetic Beads for the Selective Capture of Proteins Responsible for the Active Transport of Tumor Suppressing Micro RNA-198 (MIR-198) out of Liver Cancer Cells
12.45-13.05	Student Karlis Pleiko	University of Latvia, Latvia	Clear Cell Renal Cell Carcinoma Specific SSDNA Aptamers Using Cell-Selex
13.05-13.25	Dr. Liubov Osminkina <i>Invited</i>	Lomonosov Moscow State University, Russia	Porous Silicon Nanoparticles as Sensitiser for Biomedical Applications
13.30-15.00	Lunch		
15.00-15.45	Round Table Discussion		
15.45-16.00	Conference Closing Remarks		



Organizers



Sponsors





3rd International Conference “Current Trends of Cancer Theranostics”
June 25-29, 2017
Pakruojis, Lithuania

Thursday (29th June)

Language: English

Venue: Water mill, Pakruojis Manor

Time	Event
10.00	Ground transportation from Pakruojis to Riga Airport
12.00-13.00	Arriving to Riga Airport
END	

POSTER SESSION

Monday (26th June)

15:45 – 17:00

P 01	<u>E. Voronovič</u> , G. Jarockytė, A. Skripka, V. Karabanovas, F. Vetrone, R. Rotomskis	Upconverting Nanoparticles Covered with Different Coatings: Optical Properties, Stability and Accumulation in Cancer Cells
P 02	<u>Kl. Pajuste</u> , K. Pajuste, M. Rucins, L. Jackevica, I. Kanepė-Lapsa, M. Gosteva, M. Plotniece, P. Dimitrijevs, A. Sobolev, I. Domracheva, A. Plotniece	Multifunctional Cationic Amphiphilic 1,4-Dihydropyridine Derivatives for Development of Theranostic Delivery Systems
P 03	<u>D. Baziulyte-Paulaviciene</u> , G. Jarockyte, R. Rotomskis, V. Karabanovas, S. Sakirzanovas	Synthesis and Upconversion Luminescence Properties Of Biocompatible Core/Shell/Shell Nanoparticles with Enhanced Red Emission for Application in Bioimaging
P 04	<u>D. Dapkute</u> , M. Matulionyte, L. Budenaite, G. Jarockyte, R. Rotomskis	Photoluminescent Gold Nanoclusters in Cancer Cells: Cellular Uptake, Toxicity, and Generation of Reactive Oxygen Species
P 05	<u>A. Janoniene</u> , Z. Liu, H. Zhang, L. Barauskiene, V. Petrikaite, H. A. Santos	Porous Silicon Based Nanoplatfrom Targeting Hypoxic Cancer Cells
P 06	<u>E. Krakor</u> , I. Gessner, S. Mathur	Hollow Magnetic Iron Oxide Nanoparticles as Novel Theranostic Agents
P 07	<u>I. Mikalauskaite</u> , G. Pleckaityte, A. Katelnikovas, V. Karabanovas, R. Rotomskis, A. Beganskiene	Introducing Cr ³⁺ Ions into NaGdF ₄ :Yb ³⁺ , Er ³⁺ System
P 08	<u>N. K. Ullah</u> , S. Ilyas, M. S. Hussain, S. Mathur	Dual Bioconjugation Strategies on Iron Oxide Nanoparticles
P 09	<u>G. Pleckaityte</u> , I. Mikalauskaite, A. Katelnikovas, A. Beganskiene	Synthesis and Investigation of Dual Excitation Upconverting NaGdF ₄ Nanoparticles

Organizers



Leibniz



LEIBNIZ INSTITUTE OF PHOTONIC TECHNOLOGY



Sponsors



FUJIFILM

MEDICINAI • MOKSLUI • GYVENIMUI

VISUALSONICS



ThermoFisher
SCIENTIFIC



GRIDA



3rd International Conference “**Current Trends of Cancer Theranostics**”
 June 25-29, 2017
 Pakruojis, Lithuania

P 10	<u>S.N. Shevchenko</u> , A.A. Manykin, E.A. Kropotkina, V.N. Nikiforov, A.B. Bychenko, A.S. Gambaryan, L.A. Osminkina	Silicon Nanostructures Against Socially Dangerous Viruses
P 11	S. M. Siribbal, <u>A. Szymura</u> , M. S. Hussain, S. Mathur	Design of Hollow Gd ₂ O ₃ Nanoparticles for Magnetic Resonance Imaging and Drug Delivery
P 12	<u>A. Tobi</u> , Anne-Mari A. Willmore, K. Kilk, G. B. Braun, U. Soomets, K. N. Sugahara, E. Ruoslahti, T. Teesalu	Silver Nanocarriers Targeted with Cendr Peptide Potentiate Cytotoxic Activity of Anticancer Drug
P 13	<u>U.A. Natashina</u> , S.N. Shevchenko, M. Burkhardt, E.V. Sheval, K. E. Tsurikov, Christina Grosse, A.L. Nikolaev, A.V. Gopin, U. Neugebauer, A.A. Kudryavtsev, V. Sivakov, L.A. Osminkina	Interaction of Silicon Nanostructures with Microbiological Objects
P 14	<u>M. Schütz</u> , K. Lê1, S. Ilyas, A. Jurewicz, S. Mathur	Innovative Nano Assembly by Link Chemistry
P 15	<u>K. Pleiko</u> , L. Saulite, U. Riekstina	Clear Cell Renal Cell Carcinoma Specific SSDNA Aptamers Using Cell-Selex
P 16	<u>G.Z. Gvindzhilia</u> , K. P. Tamarov, M.B. Gongansky, A.A. Kudryavtsev, V. Sivakov, L.A. Osminkina	Biodegradable Luminescent Porous Silicon Nanowires as Sensitizers of Rf-Induced Hyperthermia Effect for Theranostics

Organizers



Sponsors

