Conference Program

SUNDAY (30th June)
Venue: Tony Resort, Trakai

Time	Event
All Day	**Participants Arrival to TonyResort Hotel**
18:00-19:30	**Registration, Tony Resort Main Building**
19:45-20:00	**Meeting Point and CTCT-2018 Camp Openning**
20:00-22:00	**Get Together at Tony Resort Restaurant**

MONDAY (1st July)
Venue: Miškas Hall, Tony Resort, Trakai.

Time	Presenter	Institution	Title of the Lecture
8.00-17.00	**Registration, Tony Resort Main Building**		
OPENING CEREMONY			
8:50 – 8:55	**Aldona Beganskiene**	Dean of Faculty of Chemistry and Geosciences, Vilnius University, Lithuania	Welcome Address
8:55 – 9:00	**Sonata Jarmalaite**	Acting director, for Science of National Cancer Institute, Lithuania	Welcome Address
9:00 - 9:05	**Ricardas Rotomskis**	Vice Chairman, Interim Chairman of the Research Council of Lithuania, Lithuania	Welcome Address
9:05 - 9:10	**Vladimir Sivakov**	CTCT Conferences President, Leibniz Institute of Photonic Technology, Germany	Welcome Address
SESSION I BIOIMAGING I **Chairman: Vladimir Sivakov**			
9:10 – 9:55	**Andrey Kuzmin**, *Keynote*	SUNY, State University of New York, USA	Micro-Raman Biomolecular Component Analysis For Cancer Diagnostic

9:55 – 10:20	**Alexander Bayev**	SUNY, State University of New York, USA	Smart Photodynamic Therapy By Reversibly Switchable Intersystem Crossing In Small Organic Molecules
10:20 – 10:45	**Muhammad Bashouti**	Ben-Gurion University, Israel	Plasmonic structures for fast detection
10:45-11:15	**Coffee Break**		
SESSION 2 BIOIMAGING II **Chairman: Johannes Rebling**			
11:15 – 11:40	**Virginijus Barzda**	Department of Physics, and Department of Chemical and Physical Sciences, Canada	Nonlinear Optical Imaging for Pathology
11:40 – 12:05	**Igor Meglinski**	Oulu University, Finland	Perspectives Of Laser Light In Tumor Diagnosis And Neuroimaging
12:05 – 12:30	**Alexander Shuster**, *Gold Sponsor*	Sol Instruments Ltd., Belarus	Raman Microscopy and Coherent Anti-Stokes Raman Scattering Microscopy from Sol Instruments
12:30 – 12:55	**Ekaterina Borisova**	Bulgarian Academy of Sciences, Bulgaria	Photodiagnosis Of Stress-Induced Gastrointestinal Neoplasia
13:00 – 14:30	**Lunch**		
SESSION 3 BIOIMAGING III **Chairman: Igor Meglinski**			
14:45 – 15:10	**Johannes Rebling**	University of Zürich/ETH Zürich, Switzerland	Optoacoustic and Ultrasound Imaging of Radiation-Induced Cerebrovascular Damage
15:10 – 15:35	**Arūnas Bulika,** *Platinum Sponsor*	"Elymus", Lithuania	N.A.
15:35 – 16:00	**Milan Kopecek**, *Gold Sponsor*	FujiFilm SonoSite	Multimodal Molecular Imaging in (Pre) Clinical Research
SESSION 4 POSTER SESSION **Chairman: Ricardas Rotomskis & Vladimir Sivakov**			
16:15 – 18:30	**Posters and Elevator Pitch Talks**		
19:00 – 21:30	**FREE TIME**		
22:00 – 22:30	**5th CTCT Anniversary SPECIAL** **Location: TonyResort Beach**		

TUESDAY (2nd JULY)
Venue: Miškas Hall, Tony Resort, Trakai.

Time	Presenter	Institution	Title of the Lecture
8.30-17.00	**Registration, Tony Resort Main Building**		
SESSION 5 NANOMATERIALS & THERAPY I **Chairman: Sofia Dembski**			
9:00 – 9:45	**Sabrina Pricl**, *Keynote*	University of Trieste, Italy	Self-Assembling Nanotechnology For Cancer Theranostics: From Computer-Assisted Design To In Vivo Applications
9:45 – 10:10	**Gregor Jung**	Saarland University, Germany	Dual Emissive Photoacids as Probes in Life Sciences
10:10 – 10:35	**Achim Aigner**	Leipzig University, Germany	Polymeric, Polyethylenimine-Based Nanoparticles For Therapeutic Sirna Delivery, Oncogene Knockdown And Mirna Replacement Therapy
10:35 – 11:00	**Vasco Bonifácio**	Universidade de Lisboa, Portugal	Polyurea Dendrimers: Life In A Box
11:00-11:30	**Coffee Break**		
SESSION 6 NANOMATERIALS & THERAPY II **Chairman: Chia-Liang Cheng**			
11:30 – 11:55	**Victor Belyaev**	Immanuel Kant Baltic Federal University, Russia	Multifunctional Magnetic Materials For Biomedical Applications
11:55 – 12:20	**Shaista Ilyas**	Cologne University, Germany	Improved Vectorization of Anticancer Nanotherapeutics: Tumor Specific Uptake and Localization
12:20 – 12:45	**Egor Kaniukov**	Belorussian Academy of Sciences, Belarus	Problems And Possible Ways To Use One-Dimensional Magnetic Nanostructures
12:45 – 13:10	**Katerina Levada**	Immanuel Kant Baltic Federal University, Russia	Magnetic Nanoparticles As Novel Theranostic Approach
13:10 –13:35	**Stanislav Pshenichnikov**	Immanuel Kant Baltic Federal University	The Effect Of Various Strengths Static Magnetic Field On Human Peripheral Blood Mononuclear And T-Lymphoblasts Jurkat Cells

			Viability
13:35 – 14:30	**Lunch**		
14:45 – 16:00	**Transfer to Vilnius Historical City**		
16:15 – 17:00	**Church Heritage Museum**		
17:15 – 18:15	**Concert in Refectory**		
18:15 – 20:00	**CTCT 5th Anniversary Gala Dinner**		
20:00 – 22:00	**Free time in Vilnius City**		
22:00 – 23:00	**Transfer to TonyResort**		

WEDNESDAY (3rd JULY)
Venue: Miškas Hall, Tony Resort, Trakai.

Time	Presenter	Institution	Title of the Lecture
8.30-17.00	**Registration, Tony Resort Main Building**		
SESSION 7 NANOMATERIALS & THERAPY III **Chairman: Andrey Kuzmin**			
9:00 – 9:25	**Antonio Benayas**	University of Aveiro, Portugal	Autofluorescence Background Removal: Different Approaches For Improving The Signal-To-Noise Ratio In In Vivo Fluorescence Imaging
9:25 – 10:10	**Fiorenzo Vetrone**, *Keynote*	University of Quebec, Canada	Upconverting Nanoparticles: The Road Towards Theranostics
10:10 – 10:35	**Blanka del Rosal**	Swinbourne University, Australia	Luminescence Thermometry: From Controlled Therapy To Early Tumor Diagnosis
10:35 – 11:10	**Coffee Break**		
SESSION 8 NANOMATERIALS & THERAPY IV **Chairman: Katerina Levada**			
11:10 – 11:35	**Marija Matulionyte**	University of Quebec, Canada	Nd^{3+} Doped Garnet-Type Nanoprobes For Temperature Sensing At The Nanoscale
11:35 – 12:00	**Ting Cheng**	University of Quebec, Canada	Upconverting Nanoparticles: The Road Towards Theranostics
12:00 – 12:25	**Artiom Skripka**	Institut National de la Recherche Scientifique,	Decoupled Theranostics With Rare Earth Doped Nanoparticles

		Canada	
12:25 – 12:50	**Anna Borodziuk**	Institute of Physics, Poland	Efficient Photodynamic Therapy With Unmodified Rose Bengal Photosensitizer Connected To Upconverting Nanoparticles
12:50 – 14:30	**Lunch**		
SESSION 8 NANOMATERIALS & THERAPY V **Chairman: Muhammad Bashouti**			
14:30 – 14:55	**Chia-Liang Cheng**	National Dong Hwa University, Taiwan	A 3D Co-Cultured Model To Evaluate The Efficiency Of Nanodiamond Facilitated Drug Delivery
14:55 – 15:20	**Nina Kostevšek**	Jožef Stefan Institute, Slovenia	Superior T_2 Mri Contrast Agents: Examples Of Nanoparticle And Coating Optimization
15:20 – 15:45	**Dominyka Dapkute**	National Cancer Institute, Lithuania	Hitchiking nanoparticles: prospects of stem cell use in cancer theranostics
15:45 – 16:05	**Sofia Dembski**	Fraunhofer Translational Center, Germany	Bioresorbable Sol-Gel-Derived Endless Fibers - A Novel Platform Technology In Regenerative Therapies
16:05 – 16:30	**Wujun Xu**	University of Eastern Finland, Finland	Enhanced sensitivity in LED-photoacoustic tomography with black porous silicon
18:00 – 19:30	**AcroYoga, Lake**		

THURSDAY (4th JULY)
Venue: Tony Resort, Trakai

Time	Event
10:00-11:00	Departure to Vilnius Airport

POSTER SESSION

Monday (1st July)
16:05 – 18:30

P 01	S. N. Agafilushkina, and L. A. Osminkina	SERS DETECTION OF HUMAN CHORIONIC GONADOTROPIN USING AG@AU/SINWS
P 02	S.S. Sarsembek, S. Z. Azhgireyeva, G. K. Mussabek, N. Zh. Omirbekova	INVESTIGATION OF THE INFLUENCE OF SILICON NANOPARTICLES ON DROSOPHILA MELANOGASTER FLIES
P 03	A. Borodziuk, P. Kowalik, M. Duda, R. Minikayev, T. Wojciechowski, K. Sobczak, D. Kalinowska, Ł. Kłopotowski, B. Sikora	EFFICIENT PHOTODYNAMIC THERAPY WITH UNMODIFIED ROSE BENGAL PHOTOSENSITIZER CONNECTED TO UPCONVERTING NANOPARTICLES
P 04	M. Duda, P. Kowalik, A. Borodziuk, T. Wojciechowski, K. Sobczak, R. Minikayev, Ł. Kłopotowski1, B. Sikora	GENERATION OF REACTIVE OXYGEN SPECIES BY UPCONVERTING NANOPARTICLES DOPED WITH THULIUM IONS
P 05	P. Fatehbasharzad, R. Stefania, C. Carrera, I. Hawala, D. D. Castelli, S. Baroni, M. Colombo, S. Aime	IRREGULARLY SHAPED GOLD NANOPARTICLES IN MRI
P 06	G. Z. Gvindzhiliia, M. B. Gongalsky, K. P. Tamarov, A. V. Pavlikov, A. A. Kudryavtsev, V. Sivakov, L. A. Osminkina	BIODEGRADABLE LUMINESCENT POROUS SILICON NANOWIRES AS THERANOSTIC AGENTS
P 07	G. Jarockyte, V. Poderys, D. Rupsys, S. Bagdonas, V. Karabanovas, R. Rotomskis	PROTEIN-STABILIZED GOLD NANOCLUSTERS FOR CANCER THERANOSTICS
P 08	M. Khorenko, A. Meschkov, U. Schepers, C. Feldmann	APPLICATION OF MULTIMODAL INORGANIC-ORGANIC HYBRID NANOPARTICLES IN CANCER THERANOSTICS
P 09	A. Lyskoit, S. Sakirzanovas	CARBON NANODOTS SYNTHESIS AND CHARACTERIZATION OF OPTICAL PROPERTIES
P 10	A. Meschkov, M. Khorenko, M. Poß, V. Rein, C. Feldmann, U. Schepers	METAL-BASED INORGANIC-ORGANIC HYBRID NANOPARTICLES FOR TISSUE-TARGETED CANCER THERAPY
P 11	A. T. Ospanali, M. M. Khojamuratov, A. K. Kenzhegulov, G. Partizan	INVESTIGATION OF CARBON NANOFIBERS OBTAINED BY ELECTROSPINNING METHOD

P 12	S. Pshenichnikov, E. Shunkin, V. Malashchenko, N. Gazatova, A. Omelyanchik, L. Litvinova, V. Rodionova, E. Levada	THE EFFECT OF VARIOUS STRENGTHS STATIC MAGNETIC FIELD ON HUMAN PERIPHERAL BLOOD MONONUCLEAR AND T-LYMPHOBLASTS JURKAT CELLS VIABILITY
P 13	A. Sheshukova, A. Kapitunova, E. Preobrazhenskaya, O. Ozoline, S. Antipov	A DPS PROTEIN OF E.COLI AS A PROSPECTIVE BASIS FOR THE CREATION OF BIOMETALLIC NANOPARTICLES
P 14	E. Voronovic, G. Jarockytė, A. Skripka, V. Karabanovas, F. Vetrone, R. Rotomskis	INVESTIGATION OF PROTEIN CORONA FORMED ON UPCONVERTING NANOPARTICLES