

From	Till	Org. No.	Author	Title
<b>Monday, 27 June 2022</b>				
17:25	17:30		Trantirek Lukas	Welcoming speech
17:30	18:00		Mergny Jean-Louis	Opening lecture
18:00	19:00	PL	Rhodes Daniela	Plenary lecture
<b>19:00</b>	<b>22:00</b>		<b>Welcome party</b>	
<b>Tuesday, 28 June 2022</b>				
8:30	8:55	L1	Tannahill David	G-quadruplexes, chromatin and transcription
8:55	9:20	L2	Lazzaro Federico	Counteracting G-quadruplex-induced genome instability
9:20	9:45	L3	Andrau Jean-Christophe	G-quadruplexes are promoter elements controlling nucleosome exclusion and RNA polymerase II pausing
9:45	10:10	L4	Sato Koichi	Mechanism of G-quadruplex suppression through G-loop formation
<b>10:10</b>	<b>10:40</b>		<b>Coffee Break</b>	
10:40	11:05	L5	Sissi Claudia	G4 repeats: casual arrangements or functional elements?
11:05	11:30	L6	Chaudhuri Jayanta	A hyper-IgM syndrome mutation in activation-induced cytidine deaminase disrupts G-quadruplex binding and genome-wide chromatin localization
11:30	11:55	L7	Bryan Tracy	The role of G-quadruplexes in telomere lengthening and gene regulation in ALT cells.
11:55	12:20	L8	Cammass Anne	RNA G-quadruplex couples translation to autophagy
<b>12:20</b>	<b>13:20</b>		<b>Lunch</b>	
13:20	13:45	L9	Šponer Jiří	Basic principles of guanine quadruplex (G4) folding landscapes
13:45	14:10	L10	Ivanov Pavel	Stress responsive dynamic RNA G-quadruplex folding in human cells
14:10	14:35	L11	Gonzalez Carlos	Structural studies on i-motif/duplex junctions
14:35	15:00	L12	Plavec Janez	Quadruplex nucleic acids: NMR structure and ligand interactions
<b>15:00</b>	<b>15:30</b>		<b>Coffee Break</b>	
15:30	15:55	L13	Montesarchio Daniela	Dimer is better: the case of anti-VEGF G-quadruplex forming aptamers
15:55	16:20	L14	Boulé Jean-Baptiste	Strand switching mechanism of Pif1 helicase induced by its collision with a G-quadruplex embedded in dsDNA
16:20	16:45	L15	Anh Tuan Phan	G-quadruplex-protein interaction
16:45	17:10	L16	Verga Daniela	Immunostaining detection of G4 ligands in cells
17:10	17:35	L17	Capranico Giovanni	Stimulation of immune gene expression as a new mechanism of anticancer G4 binders
<b>18:30</b>	<b>23:00</b>		<b>Poster sessions - wine &amp; cheese party</b>	

## Wednesday, 29 June 2022

8:30	8:55	L18	Sugimoto Naoki	Adventures of Non-Double Helical Nucleic Acids in Molecular Crowding World
8:55	9:20	L19	Schwalbe Harald	NMR spectroscopic investigation of RNA and DNA G-Quadruplex Folding Dynamics
9:20	9:45	L20	Largy Eric	Characterization of the Thermodynamics and Folding Kinetics of G-Quadruplexes by Hydrogen-Deuterium Exchange Mass Spectrometry
9:45	10:10	L21	Armas Pablo	Genetic variants in G-quadruplexes as a cause of variations in transcriptional and translational expression related with human pathologies
<b>10:10</b>	<b>10:40</b>	<b>Coffee Break</b>		
10:40	11:05	L22	Haensel-Hertsch Robert	Functional genomics of DNA G-quadruplexes inside and outside of cells
11:05	11:30	L23	Brosh Bob	Molecular-genetic characterization of helicases involved in the resolution of G-quadruplexes and other unusually folded nucleic acid structures
11:30	11:55	L24	Kankia Besik	The Quadruplex World Hypothesis
11:55	12:20	L25	Balci Hamza	Accessibility of Telomeric Overhangs and Targeting G-quadruplexes with Cas9/dCas9
<b>12:20</b>	<b>13:20</b>	<b>Lunch</b>		
<b>13:20</b>	<b>20:00</b>	<b>Personal discussions/Free afternoon</b>		
<b>20:00</b>	<b>0:00</b>	<b>Gala Dinner</b>		

## Thursday, 30 June 2022

8:30	8:55	L26	Merrick Catherine	Effects of the G-quadruplex-binding drugs Quarfloxin and CX-5461 on the malaria parasite Plasmodium falciparum
8:55	9:20	L27	Raney Kevin	G-Quadruplex DNA, Stress Granules and Signaling
9:20	9:45	L28	Kim Kyeong Kyu	Influence of G-quadruplexes on Parkin expression through a dual-mode regulatory mechanism
9:45	10:10	L29	Sen Dipankar	A new paradigm: G4-based "Socket-plug" complementarity for specific DNA-DNA recognition and binding
<b>10:10</b>	<b>10:40</b>	<b>Coffee Break</b>		
10:40	11:05	L30	Paeschke Katrin	DHX36 function at G-quadruplexes and its connection to anti-viral stress response
11:05	11:30	L31	Danino Yehuda M.	Interactions of G3BP1 with RNA G-Quadruplex structures regulate stress granule formation
11:30	11:55	L32	Monchaud David	"Divide the TASQ, multiply the outcome"
11:55	12:20	L33	Randazzo Antonio	Carbonic Anhydrases and G-quadruplexes: why targeting both by molecular hybrids?
<b>12:20</b>	<b>13:20</b>	<b>Lunch</b>		
13:20	13:45	L34	Pirota Valentina	Groundbreaking G-quadruplex in SNCA genome as an innovative therapeutic target in Parkinson's disease
13:45	14:10	L35	Richter Sara	G-quadruplexes and G-quadruplex ligands: targets and tools in antiviral therapy
14:10	14:35	L36	Sabouri Nasim	G-quadruplexes in photodynamic therapy
14:35	15:00	L37	Lavergne Thomas	DNA encoded combinatorial library (DEL) for the identification of G4 binding ligands
<b>15:05</b>	<b>15:30</b>	<b>Coffee Break</b>		

## YOUNG SCHOLAR FORUM

15:30	15:40	SL38	Grün J. Tassilo	Time-Resolved Studies of G-Quadruplex Folding Dynamics
15:40	15:50	SL39	Jana Jagannath	Tracking loop interactions that drive G-quadruplex folding into different topologies
15:50	16:00	SL40	Cadoni Enrico	From structure-selectivity towards sequence-specificity: quadruplex photo-alkylation by photosensitizer and G4-ligand co-localization
16:00	16:10	SL41	Jiang Jenny	Novel pyridinium diazocine photoswitchable ligands as selective binders for HIV LTR-III G4
16:10	16:20	SL42	Benassi Alessandra	Photoactivatable V-Shaped bifunctional Quinone Methide Precursors as a new class of selective G-quadruplex alkylating agents
16:20	16:30	SL43	Vianney Lie Yoanes Maria	Quadruplex-Duplex Junctions as Binding Hotspots: Intercalation drives Small-Molecule Recognition
16:30	16:40	SL44	De Magis Alessio	The Connection of G-Quadruplexes, UV damage, and global genome nucleotide excision repair
16:40	16:50	SL45	El-Khoury Roberto	Do telomeric i-motifs and C-rich strands affect telomerase activity?
16:50	17:00	SL46	Hennecker Christopher	Measuring polymerase arrest using isothermal titration calorimetry
17:00	17:10	SL47	Chowdhury Souro	Short LNA-modified probes for disruption of specific DNA G-quadruplexes in human cells
17:10	17:20	SL48	Lund Line	G-quadruplex unfolding by RecQ-Helicases
17:20	17:30	SL49	Kristoffersen Emil	Single-molecule FRET reveals a complex folding path for consecutive G-quadruplexes forming in telomeric DNA
17:30	17:40	SL50	Hunski Mojca	Stability of AGCGA quadruplexes and their recognition by nanobodies
17:40	17:50	SL51	Durmisevic Armin	Supramolecular Chemistry with DNA G-Quadruplexes: Assembly, Recognition and Catalysis
17:50	18:00			Poster awards, closing remarks
<b>18:30</b>	<b>23:00</b>		<b>Poster sessions - beer &amp; barbecue</b>	

**Friday, 1 July 2022**

Departures at 6, 8 and 9 AM back to Prague