

	Monday	Tuesday		Wednesday		Thursday		Friday		
8:45										8:45
9:00		Olga Milenkovic: Challenges in DNA-based data storage	Eitan Yaakobi	Laura Na Liu: Engineering Complexity: The Promise of DNA Superstructures	Raja Appuswamy	David Soloveichik: Bridging DNA Storage and Computation	Natália Neto Pereira Cerize	Chueh Loo Poh: DNA sequence-based data storage	Amelie Heuer-Jungemann	9:00
9:45		Ramy Khabbaz: Novel Efficient Codes for Correcting Random Edit Errors in DNA Storage		Omer Sabary: Scalable and Robust DNA-based Storage via Coding Theory and Deep Learning		Asad Usmani: Fast RDF-analytics From Large-scale DNA-based Archives		Jokin Yeregui Elosua: Programmable vesicles embedded in electrospun nanofibers for the triggered retrieval of encoded DNA digital data		9:45
10:00		Ian Hoffercker: Writing digital data to DNA without de novo synthesis		Manish K. Gupta: A Bird's-Eye View on DNA Storage Simulators and Computing Tools		Amelie Heuer-Jungemann: Silicification for robust and reversible protection of DNA nanostructures		Matteo Castronovo: Towards enzymatically modifying DNA within compact memory storage devices		10:00
10:30		Coffee Break		Coffee Break		Coffee Break		Coffee Break		10:30
10:50		Petr Sulc: Modeling-based design and information storage in self-assembled DNA nanotechnology systems		Veikko Linko: Stability of nucleic acid origami		Jie Song: Xeno Nucleic Acids for Robust Long-Stranded Data Storage		David Turek: Creating an Associative Memory through Combinatorial Assembly		10:50
11:20		Natália Neto Pereira Cerize: Bridging Bytes and Bases: CODEC Strategies for Parallel Oligonucleotide Synthesis in DNA Data Storage	Wooli Bae	Tim Liedl: Bridging the scales with DNA origami	Ilko Bald	Raja Appuswamy: Motif-based approaches for scaling read/write cost in DNA storage	Ivan Barišić	Tuvi Etzion: Representing codes on DNA using enzymatic labeling	Adrian Keller	11:20
11:50		Friedrich Simmel: Electromechanical switching of bistable DNA nanostructures for a million times and more		Yixin Zhang: Non-linear manipulation of DNA codes		Albert Keung: Thermodynamic and kinetic challenges of DNA-based data		Ivan Barišić: CATANA, an online modelling environment for proteins and nucleic acid nanostructures		11:50
12:20	Registration Start (Kaiserstein palace)	Lunch		Lunch		Lunch		conference closing & announcement of student prizes for the best hot topic and poster presentations		12:20
13:45	DigNA meeting for portfolio members			Conference Photo						13:45
14:00		Robert Grass: DNA stability and preservation		Mark Bathe (virtual): Scalable search of massively pooled nucleic acid samples: from cold data archives to global genomics		Marc Antonini: Towards Efficient Compression for DNA-Based Data Storage				14:00
14:45		Isabel Obieta Vilallonga: DigNA portfolio introduction	Fulvio Bernardini			Maria Abu-Sini: Coding for the DNA Decay Problem Along with Edit Errors	David Soloveichik			14:45
15:00		Fabian Schroeder: Encoding Schemes for DNA Data Storage via Oligonucleotide Assembly				Abeer Eshra: Programmable and Renewable Thermodynamically Favoured DNA Computing and Storage				15:00
15:15		Gangamallaiiah Velpula: CONTROLLING THE ORIENTATION OF CHIRAL DOUBLE-L DNA ORIGAMI ON MICA				Kaya Wernhart: DNABYTE: A modular framework for the simulation and analysis of DNA-based data storage.				15:15
15:30		Pierre-Yves Burgi: DNAMIC Project: DNA Microfactory for Autonomous Archiving				Dganit Hanania: On the Capacity of DNA Labeling				15:30
15:45		Coffee Break				Coffee Break				15:45
16:15		Marthe Colotte: THE PRESERVATION OF DNA INTEGRITY IN THE CONTEXT OF DNA DATA STORAGE		Free Afternoon / City Tours		Mayan Rivlin Gilboa: Sequence Determinants of CRISPR-Cas12a Off-Target Reaction				16:15
16:30		Cecilia Wetzl: Integrating DNA-based Memory in Water-Resistant Electrospun Polymer Fibers for Non-Destructive Data Retrieval				Robin T. Vermathen: Molecular encryption for DNA data storage				16:30
16:45		Joel Spratt: DropSCRIBE: Using droplet microfluidics to store digital data in DNA	Thomas Heinis			Yiwei Zhang: Secondary Structure Avoidance Codes for DNA Storage and Computing				16:45
17:00		Damien Woods: Thermodynamically Favoured DNA Computing and Storage				Vladimíra Petráková: DNA-mediated Assembly of Plasmonic and Fluorescent Nanoparticles for Nanophotonics	Robert Pehartz			17:00
17:30		Zohar Yakhini: Composite alphabets for DNA based data applications				Eitan Yaakobi: Minimizing the Sequencing Coverage in DNA-based Data Storage Systems				17:30
18:00										18:00
18:15										18:15
19:00	Welcome Reception (Kaiserstein palace)	Poster Session I & Refreshments		Conference Dinner at Strahov Monastery Brewery		Poster Session II & Refreshments				19:00