

ILANIT 2023 – PROGRAM OUTLINE (updated 12.09.2022)

		Hotels														
		Hall 1	Hall 2	Hall 3	Hall 4	Hall 5	Hall 6	Hall 7	Hall 8	Hall 9	Hall 10	Hall 11	Hall 12	Hall 13	Hall 14	Hall 15
Monday 20.2.23	10:45-15:30	Registration														
	15:30-16:00	Opening Ceremony														
	16:00-16:45	Plenary Lecture 1: Genevieve Almouzni														
	16:45-17:05	Updates on Israel Science Foundation programs														
	17:05-17:35	Coffee Break														
	17:35-18:20	Plenary Lecture 2: Jennifer Lippincott-Schwartz														
	18:20-20:05	Plenary lecture 3: David Attwell														
	20:10-23:00	Opening Reception Dinner at the Dan Hotel Pool														

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Tuesday 21.2.23	7:00-18:00	Registration															
	7:30-8:30	MD/PhD session	Pitching in: scientists, education and the biology in between	Advanced computational methodologies	Emerging technologies and dual-use research concerns	Company session	Company session	Company session	Company session	Soft skills - transitioning from experimental to computational biology	Soft skills - imposter syndrome	Soft skills - communicating your research to the general public	Mechanism of healthy aging (student organized session)	From the lab to the plate – BioConvergence for food development (student organized session)	Protein translation in health and disease (student organized session)	From mutation to evolution (student organized session)	
	9:00-10:45	Viral immunity	Cancer and immunity: from complexity to solutions	In vitro, in vivo, and in silico protein evolution - convergence, complementation, and divergence (in memory of Dan Tawfik)	Mass spectrometry: new technologies and their applications	Frontiers in plant molecular genetics	Molecular mechanisms in the microbial world	From cell mechanics to tissue morphogenesis	Biological interactions and behaviour in the anthropocene	Mechanisms of cell fate specification	The neural basis of social communication	Advances in chemical biology to uncover how to flip the (redox) switch in cells	Pluripotent stem cells: biology and applications	Postdocs session	Latest advances in extracellular vesicles: from bench to bedside	Systems biology in multicellular organisms	
	10:45-11:30	Coffee Break & Exhibition															
	11:30-13:15	Cancer genomics	Novel approaches to immunopharmacology	Environment and microenvironment effects on endocrine development and function	Meet the Editors	New challenges in cell death biology	Organelle structure and function	Multilevel research from cells to organism: decoding cytoskeleton mechanobiology	From mechanistic strategies of acclimation to changes in biogeochemical cycling	Biosensors and theranostic systems	Host pathogen interactions	Genome stability & DNA repair	Stem cell-based models of development and regeneration	Neurobiology of natural behaviors	Fertility along the phylogenetic tree	Multimolecular complexes and their dynamics	
	13:15-14:30	Lunch Break & Exhibition															
	14:30-16:15	Combined cancer therapy	Study, development and rational use of immunopharmacological agents	Precision immunity and personalized medicine	Variations on a theme: non-canonical translation	Advances in OMICS technologies	Protein-DNA interactions	Musculoskeletal development and disease	Keeping time in a changing world	From stem-cells to germ-cells and back	Neurological and immunological trajectories: parallels and meeting points	Synthetic biology - artificial cells, artificial organelles, biomedicine	RNA modifications in evolution and disease	Protein folding and disorder in the post AlphaFold era	Microbial communication and multicellularity	Clinical medicine in the genomic era	
	16:15-17:00	Coffee Break & Exhibition															
	17:00-21:00	Poster Session 1 (Pavilion Hall)							Post-docs meeting with Deans (17:00-19:00)								
	18:30-21:00	Light Dinner															
21:00	Rock for Your Lab																

* Important note: Please note that the scientific program, dates, times and locations are subject to change without prior notice

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Wednesday 22.2.23	07:00	Run for Your Lab – 5K Race (Starting Point – Kampen St.)															
	07:15-18:00	Registration															
	8:00-9:00	MD/PhD session	Tissue repair in the animal kingdom (student organized session)	Company session		Company session	Company session	Company session	Company session	Core facilities round tables (Tsioma Elkayam)	Soft skills - open science (iGEM)	Soft skills - The challenges and joys of science and parenthood: how to combine both successfully	Soft skills - going to a postdoc abroad (Science Abroad)	Molecular tools in wildlife conservation research (student organized session)	Biophysics of plants (student organized session)	New Biomaterials for tissue engineering applications (student organized session)	Biological control and plasticity from molecular circuits to human populations (student organized session)
	09:10-12:00	Flash talks	Flash talks	Flash talks	Flash talks	Flash talks	Flash talks	Flash talks	Flash talks	Flash talks	Flash talks	Flash talks	Flash talks	Flash talks	Flash talks	Flash talks	Flash talks
	12:00-13:45	Stem cells on the initiation, progression, and treatment of cancer	Cancer: therapeutics and diagnostics	Fundamental and applicative immunology	Immunity and cell death: crosstalk in health and disease	Bio Med Session	Cellular shapes and migration from theory to physiology	Gene and cell therapies	Animal sociality: collective behaviour, decision making and the transfer of information	Frontiers in developmental neuroscience	Protein homeostasis in health and disease	Principles of microbial growth	System biology of stem cell behaviour	A new RNA world	Exploring biology through chemistry and computation	SARS-CoV-2 Virology	
	13:45-15:00	Lunch Break & Exhibition															
	15:00-16:45	At the interface of chemistry and biology	Innate and adaptive immune regulation in health and disease	Cancer metastasis and microenvironment	Parasitology and tropical medicine (biology of parasitism)	Bio Med Session	Epigenetics in evolution and disease	Adaptation to a changing environment: from molecules to organisms	Advances in heart failure related research	Microbiome in health and disease	Multiscale and multimodal microscopy methods in biology	Diabetes and the metabolic syndrome - the redox point of view	Stem cell based emerging technologies	Quantitative approaches to development	Proteolysis - pivot point in cellular regulation	New horizons in virology	
	16:45-17:30	Coffee Break & Exhibition															
	17:30-18:15	Plenary Lecture 4: Brenda Schulman															
18:30 -	Party																

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Thursday 23.2.23	07:45-14:00	Registration														
	8:30-10:15	New diagnostic tools for the early detection of cancer	Origins and dynamics of the immune system	Cancer immunotherapies	Research innovations and updates in atherosclerosis and related diseases	Bio Med Session	Structural biology at the forefront of novel drug development	Cellular phase separation: biophysical principles and experiments	Women in science	Molecular systems neuroscience	Big data in health and disease - challenges and opportunities	Mitochondrial genetics and genomics	Adult stem cells and regenerative medicine	Population level responses to climate change	What is so special about plant specialized metabolites?	Bacteriophages and their implications
	10:15-11:00	Coffee Break & Exhibition														
	11:00-11:45	Plenary Lecture 5: (Pavilion Hall) Donald E. Ingber														
	11:45-13:15	Katzir Award (Pavilion Hall) Announcing poster winners Closing Remarks														
	13:15-14:00	Pizza and Beers														
	14:00- 18:00	Satellite session – Mind the Gap: How can we crush the gap between the exact sciences and the art of medicine?														

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