

# ILANIT 2020 – PROGRAM OUTLINE (updated 13.02.2020)

		DAN				Herods				Royal Beach					
						Pavilion Hall									
Monday 17.2.20	10:45-15:30	Registration (Hotel Lobby)													
	15:30-16:00					Opening Ceremony									
	16:00-16:45					Plenary Lecture 1 Peter Walter									
	16:45-17:15					Coffee Break									
	17:15-18:00					Plenary Lecture 2: Ruth Ley									
	18:00-18:45					Plenary lecture 3: Donald Ingber									
	19:00-23:00	Opening Reception Dinner at the Dan Hotel Pool													
		DAN				Herods				Royal Beach					
		Big Blue Hall A	Big Blue Hall B	Tarshish A	Tarshish B	Kings A	Kings B	Queens	Laurence	הדר / Hadar	זית / Zeit	שיטה / Shita	אלה / Ella	אלון / Alon	
Tuesday 18.2.20	7:00-18:00	Registration (Hotel Lobby)													
	7:30-8:30	Early bird: MERCK	Early bird: ALMOG / SYNTHEGO	Early bird: ELDAN 1: BRUKER; Dassault Systèmes – BIOVIA	Early bird: RHENIUM (8:00-8:30)	Early bird: ELDAN 2: Agilent Technology, Nano String Technology	Early bird: ZOTAL: Zymo; Abcam	Early bird: MGI (8:00-8:30)		Soft Skills: Time management	Soft Skills: How to choose a lab for a postdoc	Soft skills: Parenthood and Science challenge	Soft Skills: How to write a fellowship	ScienceAbroad, The Organization of Israeli Scientists Abroad - Community at your service	
	9:00-10:45	Big Data in Health and Disease: Challenges and Opportunities	Cancer Immunotherapy Using Engineered TCRs and CAR-T	Biophysics and Morphogenesis in Development	Food Security: from Plant Protection to Molecular Breeding	Advances in Clinical Diagnosis	Engineering & Evolution of Proteins	<i>BioMed 1:</i> I did it my way: Entrepreneurial Experience Led by Merck	Methodologies Round Tables (pre-registration is required)	Eukaryotes of the Microbial World	Neuronal Cell Biology in Health and Disease	Structure Function of Proteins and Their Post Translation Modifications	New Concepts in Microbial Ecology	Immune Response to Viral Infection	
	10:45-11:30	Coffee Break & Exhibition				Coffee Break & Exhibition				Coffee Break & Exhibition					
	11:30-13:15	Host-Pathogen Interaction	Recent progress in non-coding RNA and RNA modifications	Computational Immunology	Ion Channels & Transporters	The Complexity of Animal-Plant Interactions	Advances in Skeletal Biology and Medicine	<i>BioMed 2:</i> Show me the money: Navigating funding opportunities in Israel: Led by IBF	Ethosia: Human Resources	New Horizons in Developmental Biology Studied in Model Organisms	Regulation of Biological Processes by Ubiquitin and Ubiquitin-Like Molecules	Modes of Intracellular and Extracellular Communication	Redox Signaling and Aging	Synthetic Biology	
	13:15-14:30	Lunch Break & Exhibition				Lunch Break & Exhibition				Lunch Break & Exhibition					
	14:30-16:15	The Power of Single Cell Analysis	Innate and Adaptive Immunity in Health and Disease	Cancer Metabolism	Terrestrial Ecosystems in a Changing Climate	Advances in Integrative Structural Biology	Genetic Basis of Human Disorders	Epigenetics and Re-Differentiation in Plant and Animal Development	<i>BioMed 3:</i> Translating your ideas to commercial opportunities Led by 8400- The Health Network and Israel Innovation Authority (pre-registration is required)	Stem Cell Pluripotency, Differentiation and Reprogramming	New Challenges in Cell Death Biology	Neural Circuits and Behavior	Precision Cancer Medicine	Microbial Simplicity for Understanding Life Complexity	
	16:15-17:00	Coffee Break & Exhibition				Coffee Break & Exhibition				Coffee Break & Exhibition					
	17:00-20:30					E-Poster Session 1 (Pavilion Hall)				Post-docs meeting with Deans (17:00-19:00)					
	18:30-21:00					Light Dinner (Pavilion Terrace)									
21:00	Rock for Your Lab (Danyel Biotech's Science Truck between Hotels Dan and Herods)														

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Wednesday 19.2.20	07:00	Run for Your Lab – 5K Race (Starting Point – Kampen St.)													
	07:15-18:00	Registration (Hotel Lobby)													
	8:00-9:00	Cancer Cell Signaling and Tumor Microenvironment	Adult stem cells	State of the art techniques in study of cytoskeletal dynamics	The Impact of Climate Change on the Marine Ecosystem	Forest Bio-Eco	Drug design and development	Cell-Cell Communications: from theoretical modeling to experiments	Cell Therapy	Microbiology adaptation & evolution: past, present and future	3D chromatin structure, organization & disease	New insights in heart failure and arrhythmia research	How do cells marshal their content? – The characterization and function of membrane-less organelles in cells	BioMaterials	
	09:00-12:00					E-Poster Session 2 (Pavillion Hall)									
	12:00-13:45	Therapeutic Gene Therapy & Genome Editing	Cancer Genomics and Data Mining	Symbiosis in a Changing Climate: The Role of Microbiome in Resistance of Plants	MD/PhD session	Can we read/write Proteins? Computational and Experimental Approaches to Protein Folding and Design	Cellular Motility and Interaction Dynamics in the Immune System and Beyond	Special editorial session: The Future of Scientific Publications	Computation in Microbial Communities	RNA Localization and Translation	Therapeutic Potential of Plant-derived Compounds	Neuronal Basis of Learning and Memory	New Regulators of Obesity and Adipose Tissue Metabolism	Organoids in Development and Disease Modeling	
	13:45-15:00	Lunch Break & Exhibition				Lunch Break & Exhibition				Lunch Break & Exhibition					
	15:00-16:45	Cancer Therapy with Immune Checkpoint Inhibitors - Opportunities and Challenges	Chromatin & Epigenetics	Cytoskeletal Remodeling and Cellular Movement in Morphogenesis	The Ins and Outs of Gametogenesis	Movement Ecology	State of the Art Microscopy Techniques in the Study of Intracellular Processes	Pitching in: Scientists' Involvement in High-School Biology	Tissue Engineering	Recent Advances in Parasitology	From a Reductionist to a Systems Biology View of the Proteostasis Network	Physiology of Sensation	Structure Function Relationships in Microbial Cells	Virus and Phage Biology	
	16:45-17:30	Coffee Break & Exhibition				Coffee Break & Exhibition				Coffee Break & Exhibition					
	17:30-18:00					Katzir Award (Pavilion Hall)									
	18:00-18:45					Plenary Lecture 4: Martin Nowak (Pavilion Hall)									
19:30	Rhenium Party with Ivri Lider & DJ Tomer Maizner (Sport Hotel Eilat) - registration required														
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Thursday 20.2.20	07:45-14:00	Registration (Hotel Lobby)													
	8:30-10:15	The Microbiome and Immunity	Gene Regulation across the Tree of Life	The Next Top Model: Emerging Model Organisms in Molecular Biology	Sexual Dimorphism in the Nervous System - from Molecular Mechanisms to Social Behaviors	Proteomics and Mass Spectrometry in Biomedical Research	Cellular Trafficking in Health and Disease	Extracellular Vesicles: from Basic Research to Clinical Development	The Power of Single Molecule Detection	Dynamics in Plant Responses	The Brain Immune-Axis: from Basic Science to Clinical Translation	Organogenesis and Regeneration	Genome Stability, DNA Repair and Chromosome Dynamics	Stem Cells and Cancer	
	10:15-11:00	Coffee Break & Exhibition				Coffee Break & Exhibition				Coffee Break & Exhibition					
	11:00-11:45					Plenary Lecture 5: Gilles Laurent (Pavilion Hall)									
	11:45-12:30					Plenary Lecture 6: Erin Schuman (Pavilion Hall)									
	12:30-13:15					Ilanit Trivia Competition Announcing poster and Trivia winners Closing Remarks (Pavilion Hall)									
13:15-14:00					Pizza and Beers										

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