

ILANIT 2026 – PROGRAM OUTLINE (updated 16/02/2026)

Hotels		Dan				Herods				Royal Beach					Queen of Sheba	
Halls																
Monday 23.2.26	10:45-16:30	Registration (Tarshish hall – Dan)														
	16:00-16:30	Opening Ceremony (Pavilion hall – Herods)														
	16:30-17:00	Welcome by David Harel (Pavilion hall – Herods)														
	17:00-17:45	Plenary Lecture 1 - Eric Lander ‘Toward a Comprehensive Catalog of Cellular Programs’ (Pavilion hall – Herods)														
	17:45-18:30	Plenary Lecture 2 - Shulamit Michaeli ‘Lessons from the Fascinating RNA World of Trypanosomatids Parasites’ (Pavilion hall – Herods)														
	19:00-22:00	Opening Reception Dinner (Dan Hotel Pool)														

		BIG BLUE A	BIG BLUE B	TARSHISH A	TARSHISH B	KINGS A	KINGS B	QUEENS	LAURENCE	HADAR	ZEIT	SHITA	ELLA	ALON	SAPPHIRE	TOPAZ
Tuesday 24.2.26	7:00-18:00	Registration (Lobby – Dan)														
	7:45-8:45	7:00 - 08:45 Translational Medicine: MD/PhD Session 1		Student Session: Simulating Life: Digital Twins for Precision and Planetary Health	07:30 - 08:45 Soft Skills Session 4: The Interplay Between Innovative Teaching and Research		IRCF: "Partners in Discovery"	Soft Skills Session 1: Facts Don't Speak for Themselves: Communicating Biology in a Post-Truth World		Student Session: Microminerals Homeostasis: Mechanisms and Disease Implications	Soft Skills Session 2: Before It Becomes a Scandal: Using AI to Catch Image Errors and Misconduct in Science		Student Session: Plasmid Biology		Soft Skills Session 3: Navigating Mentor-Mentee interactions	
	9:00-10:45	Cancer Genomics and Evolution	Exploiting Nanotechnology and Artificial Intelligence Tools in Cancer Management	Climate Change and Global Health Threats	Advances in Chemical Biology to Uncover Redox Code in Cells and its Physiological Outcomes	Advancing Immunology Through Computational and Mathematical Approaches	Chemical and Biological Sensing	Engineering Microbial Futures: Bridging Synthetic Biology, Computational Biology, and Microbial Science	New Advances in Gene and Cell Therapy	Crosstalk Between the Systemic Environment and Neuro- inflammation	Postdoc Session 1: Mapping Functional Genomic, Spatial and RNA Biology	Extracellular Vesicles as Mediators of Cellular Crosstalk: Novel Insights and Applications	Tumors as Multicellular Organs: New Insights on the Tumor Microenviron- ment	Upcoming Challenges in the Post- AlphaFold Era	Stem Cells in Genetics and Epigenetics	RNA Biology
	10:45-11:30	Coffee Break & Exhibition														
	11:30-13:15	Cancer Therapeutics and Biomarkers (A)	Immunometabolism and Microbiome	Phase Separation and Biomolecular Condensates: Disordered Molecule Dynamics and Biological Implications	Plant Genomics and Genetics	RNA Therapeutics	Computational Challenges in Spatial Biology	Protein Aggregation at the Cellular and Organismal Levels	Biology in High School: Bridging the Gap Between Academic Research and Classroom Teaching	Neurobiology of Neurodevelopm ental Disorders	Cancer Regulation and the Immune Response	Innate Immunity	Lymphocyte Engineering	Cytoskeletal Machineries Driving Developmental Processes	Protein Design via Evolution	Self- organization at the Cellular Level
	13:15-14:30	Lunch Break & Exhibition														
	14:30-16:15	Cancer Therapeutics and Biomarkers (B)	Postdoc Session 2: From Microbial Systems to Development Dynamics	Genomics of Nucleic Acids	Diabetes: Basic and Translational Studies	Disease Modeling Organoids and 3D Stem Cell Differentiation	Computational Studies of the Complex Microbial Communities in and around us	Oxidative Stress in Photosynthetic Organisms	Research Innovations and Updates in Atherosclerosis and Related Diseases	New Approaches to Monitor and Manipulate Neuronal Function	Microbial and Immunological Frontiers	Tissue Engineering and Modelling of Stem Cell Behavior	Adult Stem Cells	Biophysical Aspects of Self organization Across Scales	Mechanisms of Cell Fate Specification	Natural Plant Substances in the Service of Agriculture
	16:15-17:00	Coffee Break & Exhibition														
	17:00-21:00	Poster Session with Light Dinner (Pavilion & Amirim halls - Herods)				16:45-20:00 Special MD/PhD and Physician- Scientists Evening: Advancing Translational Medicine (Big Blue A – Dan) By Invitation Only			16:30-20:15 Post-docs meeting with Deans "On the Way Back – Israeli Postdocs Meet Deans and Chairs of Search Committees" (Laurence – Herods) By Invitation Only							
21:00	Stand-up comedy with Avi Nusbaum / Dance Party - DJ (Agamim Hotel) – Sponsored by LifeGene															

		BIG BLUE A	BIG BLUE B	TARSHISH A	TARSHISH B	KINGS A	KINGS B	QUEENS	LAURENCE	HADAR	ZEIT	SHITA	ELLA	ALON	SAPPHIRE	TOPAZ
Wednesday 25.2.26	07:00	Run for Your Lab – 5K Race (Starting Point – Danyel Biotech Terminal) and Yoga (On the deck, in front of the Dan Hotel)														
	07:15-18:00	Registration (Lobby – Dan)														
	7:45-8:45	7:00 – 08:45 Translational Medicine: MD/PhD Session 2	Soft Skills Session 10: The Next Pandemic, Man-made or Natural	Translational Medicine: MAVRI: Selected MAVRI/IPMP Winners	07:30 - 08:45 Soft Skills Session 6: WORKSHOP: Becoming an Effective Science Communicator	Student Session: Immune Restraint: Targeted Strategies to Suppress Harmful Immunity in Autoimmune, Inflammatory, and Infectious Diseases				07:30 - 08:45 Soft Skills Session 7: WORKSHOP: AI in Action: Ensuring Research Integrity before Submission			Student Session: Bacterial Multicellularity and Aggregation	Soft Skills Session 8: Infographics		Soft Skills Session 9: Doing a Post-Doc: More Than Just Another PhD
	09:00-10:45	New Horizons in Cancer Immunology and Immunotherapy	Nanotechnologies for Nucleic Acid Delivery and Gene Editing	Microbial and Viral Ecology, Motility, and Environmental Stress	Mechanism and Action of Molecular Machines	Longevity and Stress in Complex Organisms	Circadian Clock and Sleep Disorders	Modern and Ancient Populations Genetics	IRCF: Pushing the Boundaries in Advanced Imaging Technology and AI Driven Integration	Transforming Computational Oncology in the Era of Foundation Models	The Microbial Vesicle Frontier: New Perspectives in Infection, Immunity, and Microbiome Dynamics	Emerging Mechanisms and Therapeutic Advances in Inborn Errors of Metabolism (IEM)	Sponsored Session: Ilex Medical (09:00-09:30) Agentek (09:30-10:00) Rhenium (10:00-10:30)	Organelle Structure, Function and Homeostasis	New Challenges in Cell Death Biology and Cell Aging	Frontier in Parasite Research
	10:45-11:30	Coffee Break & Exhibition														
	11:30-13:15	Stem Cells on the Initiation, Progression, and Treatment of Cancer	Women Shaping the Future of Science	Bridging the Gap Between Basic and Clinical Cardiology	The Heart-not Just a Pump: Biology of the Heart in Health and Disease	Coping with Stress in Photosynthetic Organisms	Therapeutic Strategies in Cancer Treatment	Protein Design and Machine Learning: Advancing Evolutionary Insights and Applications	Tech4Cancer: Transforming Cancer Research Through Israel's High-Tech Power Bina: The Collaboration Advantage: Inside Bina's Unique Model	Genome Instability in Health, Disease and During Evolution	Advancements in Mass Spectrometry Technology and Innovative Applications	Unlocking Biological Complexity: The Power of Single-Cell Analysis	Systems & Regenerative Immunology	Aging: The Redox Point of View	Regulation and Dysregulation of Homeostasis across Cell Types and Tissues	Translational Medicine: MAVRI: Updates from the MAVRI/IPMP Selected Grant Winners
	13:15-14:30	Lunch Break & Exhibition														
	14:30-16:15	Novel Approaches to Therapeutics	Genomics and Proteomics in Liquid Biopsy	Integrating Chemistry and Computation in Biological Research in the Modern Era	Endocrinology: Fertility, Metabolism and Beyond	From Structure to Function in the Microbial World (A)	Functional Genomics and Genetics in Plant Sciences	New Frontiers in Cytoskeletal Research: Teaching Old Filaments to do New Tricks	Soft Skills Session 11: WORKSHOP: AI Beginners Workshop - Getting Started with ChatGPT and AI Tools for Research	Translational Medicine: Haematology Meets Autoimmunity	Cell Biology in Development	Oral Biology at the Forefront of Transnational Science	New Frontiers in Cannabinoid Research	Viruses and Phages	New Horizons in Developmental Cell Death	Stem cell-based Models of Development and Regeneration
	16:15-17:00	Coffee Break & Exhibition														
	17:00-17:45	Plenary Lecture 3 – Ronny Drapkin ‘Atlas to Axons: How Tumor Innervations Impacts Cancer Progression’ (Big Blue hall – Dan) - Sponsored by: Ilex Biotech														
	18:00-18:30	Nurit Bublił: ‘Forensic DNA Identification in Mass Casualty Events: Lessons from October 7 th ’ (Big Blue hall – Dan)														
	18:30 -19:45	Kalaniyot – Speakers From Abroad (Big Blue hall – Dan) Ernest Fraenkel (MIT, USA), Naama Kanarek (Boston Children's Hospital and Harvard Medical School, USA), Mark Poznansky (Massachusetts General Hospital and Harvard Medical School, USA)														
21:30 -	Rock Concert – Ethnix (Pavilion hall – Herods) - Sponsored by Danyel Biotech															

Thursday 26.2.26		BIG BLUE A	BIG BLUE B	TARSHISH A	TARSHISH B	KINGS A	KINGS B	QUEENS	LAURENCE	HADAR	ZEIT	SHITA	ELLA	ALON	SAPPHIRE	TOPAZ
	07:45-14:00	Registration (Lobby – Dan)														
	8:30-10:15	Transforming Computational Oncology in the Era of AI	Pediatric Oncology: The Clinical Arena and New Preclinical Pathways	Biological Approaches for Anti-Aging Therapy	Brain-body Interactions for Maintaining Homeostasis in Humans and Animal Models	Stem Cell-based Applications in Research and Medicine	Peptides in Chemical Biology and Drug Discovery	Chromatin at the Extreme	Soft Skills Session 12: WORKSHOP: Advanced Workshop on Data Analysis and Smart Presentations with Julius AI	Evolutionary Genomics	Neural Pathfinding and Connectivity	Research Innovations in Musculoskeletal Health and Disease	From Structure to Function in the Microbial World (B)	The Role of Laboratory Medicine in Cellular Therapy and Immunotherapy Advancement	Functional Genomics and Epigenomics	Host-microbe Interactions
	10:15-11:00															
	11:00-11:45	Plenary Lecture 4: Michelle Monje ‘The Neuroscience of Brain Cancers’ (Pavilion hall – Herods)														
	11:45-13:15	Katzir Award (Pavilion hall – Herods) Announcing Best Flash Talk Prizes and Zuckerman Award Closing Remarks														
	13:15-14:00	Lunch box														
	14:00- 18:00	Satellite Session I – AI in Biomedicine (Tarshish A+B – Dan)								Satellite Session II – Pediatric Oncology: from Preclinical to Clinical Applications and back (Fiesta hall – Dan)						

* Important note: Please note that the scientific program, dates, times and locations are subject to change without prior notice
 The program updated on 16.02.2026