

2025

SCIENTIFIC PROGRAM

MAY 13, 2025



ITRn

Israeli Translational Research Network

4<sup>TH</sup> ANNUAL MEETING

📍 Hosted By Edith Wolfson Medical Center

8:30  
Gathering Together

9:00-9:15  
OPENING REMARKS  
AND GREETINGS

Anat Engel, MD  
Director General of Wolfson Medical Center

Shlomit Yehudai-Reshef, PhD  
Director, Clinical Research Institute at Rambam (CRIR), ITRn Founder

9:15-10:15  
REHABILITATION:  
ADDRESSING CHALLENGES  
AND INNOVATIONS IN  
ROUTINE AND WARTIME  
CONDITIONS

Session Chairman:

Sharon Eylon, MD  
Head of the Pediatric Orthopedic Service, ALYN Hospital, Principal Investigator, ALYN PARC Helmsley Research Center; Clinical Senior Lecturer, Faculty of Medicine, Hadassah Hebrew University

Speakers:

Keren Politi, MD  
Head of the Pediatric Neurology Services, ALYN Hospital; Principal Investigator, ALYN PARC Helmsley Research Center

Implications of amplitude-integrated electroencephalography (aEEG) monitoring for effective treatment of chronic ventilated children during the rehabilitation period

Oren Barzel, MD  
Head of the Sheba Orthopedics Rehabilitation Department, Sheba  
Rehabilitation in Motion: Keeping Up with Rapid Change

Sharon Eylon, MD  
Head of the Pediatric Orthopedic Service, ALYN Hospital, Principal Investigator, ALYN PARC Helmsley Research Center; Clinical Senior Lecturer, Faculty of Medicine, Hadassah Hebrew University  
Functional Assessment of Children with a Short Lower Limb/ Amputation - Because a Child is not a Small Sized Adult.

10:15-11:00  
KEYNOTE LECTURE

Session Chairman:

Aron Popovtzer, MD  
Director, Sharett Institute of Oncology, Hadassah medical center

Speaker:

Carlos Caldas, MD, PhD  
Professor of Cancer Medicine, University of Cambridge, UK. Cancer Research UK (CRUK) Cambridge Institute  
Precision Cancer Medicine 2.0: oncology in the era of multi-omics and ML/AI

11:00-11:20  
Coffee Break and Mingling

11:20-12:00  
PANEL SESSION: BRAIN GAIN;  
PHYSICIAN-RESEARCHER IN  
ISRAEL: CHALLENGES AND  
OPPORTUNITIES

Panel Moderator:

Rivka Carmi, MD  
The Israeli National Academy of Medical Science

Panelists:

Albert Grinshpun, MD, MSc  
Head of Breast Oncology Service, Shaare Zedek

Irit Ben-Aharon, MD, PhD  
Director, Fishman Oncology Center, Rambam Health Care Campus; Head, Laboratory of Toxicity Mechanisms of Anti-Cancer Therapies, Rappaport Faculty of Medicine, Technion; Head, MAVRI research-oriented residency program

Avi Peretz, PhD  
Director of the Academic, Innovation and Research Division, The Tzafon Medical Center, Poriya

Orna Steinberg Shemer, MD  
Senior Physician-scientist, Hematology, Schneider Children's Medical Center

12:00-13:00  
REVOLUTIONIZING  
MULTISYSTEM  
MEDICINE: PIONEERING  
BREAKTHROUGHS

Session Chairman:

Nir peled, MD, PhD  
Head of the Oncology Division at Shaare Zedek Medical Center

Speakers:

Ruth Perets, MD, PhD  
Head of Phase 1 Clinical Trials, Head of Women's Cancers Research Lab, CRIR, Rambam

The double-edged role of inflammation in ovarian cancer

Yehuda Chowers, MD, PhD  
Chief Medical Officer, CytoReason  
How can AI be used for precision medicine and drug development?

Amihai Rottenstreich, MD, PhD  
Wolfson Medical Center, Tel Aviv University  
Fetal Growth In Pregnancy After Bariatric Surgery: From Bench To Bedside

13:00-14:00  
ORGANOIDS IN THE SERVICE  
OF MEDICINE: CUTTING-EDGE  
RESEARCH, TREATMENT, AND  
PERSONALIZED CARE

Session Chairman:

Benjamin Dekel, MD, PhD  
Pediatric Stem Cell Research Institute and Pediatric Nephrology Director, Sheba Medical Center. Vice Dean for Research and Innovation Director, Sagol Center for Regenerative Medicine School of Medicine, Faculty of Medical and Health Sciences, Tel Aviv University

Speakers:

Myriam Grunewald, PhD  
The Hadassah Organoid Center and the Department of Developmental Biology and Cancer Research at the Faculty of Medicine, the Hadassah Hebrew University

Patient-Derived Organoids: Bridging Basic Science and Translational Medicine

Dana Ishay-Ronen, MD, PhD  
Oncology Institute, Sheba Medical Center  
Cell plasticity in breast cancer progression and treatment

Dorit Omer, PhD  
CTO, Renovate Therapeutics LTD  
Kidney OrganoSphere- Based Therapeutic Strategy for CKD

Yaakov Nahmias, PhD  
Director, Grass Center for Bioengineering,; Fellow, AIMBE & RSM Founder & CSO of Tissue Dynamics  
Bionic Organoids in Human-Focused Drug Development

Avner Ehrlich, PhD  
CTO, Tissue Dynamics. Co-Chair, OrganoSphere Consortium  
The Organospheres Consortium: Advancing Drug Development Through Standardized Organoid Technologies

14:00-14:30  
Light Lunch

14:30-15:30  
EMPOWERING CONSORTIUM  
COLLABORATION TO  
ACCELERATE PIONEERING  
INNOVATIONS IN IMMUNE  
THERAPY AND ONCOLOGY

Session Chairman:

Michal Lotem, MD  
Head of the Hadassah Cancer Research Institute, Center for Melanoma and Cancer Immunotherapy, Hadassah

Speakers:

Michal Lotem, MD  
Head of the Hadassah Cancer Research Institute, Center for Melanoma and Cancer Immunotherapy, Hadassah  
Identifying new targets for cancer immunotherapy in RNA splicing

Yochai Wolf, PhD  
Principle Investigator, Cancer Immunology and Metabolism

Identification of TCRs against recurrent mutations in uveal melanoma

Cyrille Cohen, PhD  
Head of the laboratory of tumor immunology and immunotherapy at Bar-Ilan University  
Reprogramming CAR T-Cell Metabolism and Co-Stimulation for Enhanced Cancer Immunotherapy

15:30-16:30  
PATHOLOGY BEYOND THE  
MICROSCOPE: ADVANCES IN  
FORENSICS, AI, AND LIQUID  
BIOPSY

Session Chairman:

Dov Hershkovitz, MD, PhD  
Director, Institute of Pathology, Department of Pathology, Tel-Aviv Medical Center (Ichilov)

Speakers:

Dov Hershkovitz, MD, PhD  
Director, Institute of Pathology, Department of Pathology, Tel-Aviv Medical Center (Ichilov)  
Navigating the Cancer Journey: The Role of Liquid Biopsy in Every Step

Nurit Bublil, PhD  
Head of Lab Dep. National Center of Forensic Medicine  
The October 7 Forensic DNA Identification Operation: Lessons Learned from the Management of the Largest Mass Causality Event in Israel

Nir Pillar, MD, PhD  
Department of Pathology, Hadassah Hebrew University Medical Center  
Virtual histology- the future of pathology

16:30-17:30  
AI FOR REAL-WORD PATIENT  
IMPACT

Session Chairman:

Danny Eitan, MD, PhD  
Director, Pediatric Critical Care Unit, Ruth's Children's Hospital, Rambam Healthcare Campus; Associate professor, Faculty of Medicine, The Technion

Speakers:

Dalit Porat Ben Amy, DMD, MSc, MBA  
Tzafon Medical Center; The Azrieli Faculty of Medicine, Bar-Ilan University  
From Pixels to Diagnosis; AI-based Early Detection of Oral Cancer

Jacob Sosna, MD  
Director of The Department of Radiology & Medical Imaging, Hadassah Medical Center  
AI Research in Radiology- Slice the DICE

Dvir Aran, PhD  
Biology department at the Technion  
Multi-Agent LLM for Neurological Clinical Reasoning

17:30  
Closing Remarks and Departure

>  SIGN UP TODAY!  
FREE REGISTRATION

