



# 33<sup>rd</sup> Annual Conference of the Israeli Society of Pediatric Hematology Oncology (ISPHO)

Cassia Hotel Jerusalem

June 22–24, 2023



## FELLOWS' EDUCATIONAL SESSION

*Sponsored by Takeda*

**Thursday, June 22, 2023**

Chair: **Rina Dvir**, Israel

09:00 Precision Oncology in Practice

**Daniel Morgenstern**

Solid Tumor Section, Hematology Oncology, Hospital for Sick Children, Toronto, Canada

09:40 Imaging, Biology Biomarkers and Other Developments in Rhabdomyosarcoma

**Hans Merks**

Pediatric Oncology, Princess Maxima Center, Utrecht, Netherlands

10:20 *Short Coffee Break*

10:40 New Advances in Congenital Neutropenia

**Alan J. Warren**

Hematology Dept., School of Clinical Medicine, University of Cambridge, UK

11:20 Strategies in Management of Children with Sickle Cell Disease

**Julie Kanter**

UAB Adult Sickle Cell Clinic, Division of Hematology Oncology, University of Alabama, Birmingham, USA



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## SCIENTIFIC PROGRAM

Thursday, June 22, 2023

12:00 Gathering, Registration, Poster Viewing, Visit the Exhibition and Light Lunch - Exhibition Area

13:00 WELCOME GREETINGS  
**Shifra Ash**, ISPHO Chair

**Moshe Bar-Haim**, Director General, Israel Cancer Association

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13:15 - 14:45                      **Session I - Oncology**

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Chair:                      **Ronit Elhasid**, Israel

13:15 **Lecture sponsored by MSD**  
Options and Management for Pediatric Hodgkin Lymphoma  
**Gil Gilad**  
Rina Zaizov Division of Pediatric Hematology Oncology, Schneider Children's Medical Center of Israel, Petach-Tiqva, Israel

13:30 **Lecture sponsored by Rhenium Oncotest**  
Comprehensive Genomic Profiling for Management of Pediatric and Young Adult Sarcomas  
**Iris Kventsel**  
Pediatric Hemato-Oncology Division, Sheba Medical Center, Ramat Gan, Israel

13:45 **Lecture sponsored by AstraZeneca**  
Incorporating MEK Inhibitors in to NF Treatment Paradigm  
**Orli Michaeli**  
Rina Zaizov Division of Pediatric Hematology Oncology, Schneider Children's Medical Center of Israel, Petach-Tiqva, Israel

14:00 **Lecture sponsored by Novartis**  
BRAF and MEK Inhibitors in Pediatric Glioma and Ameloblastoma - The Sheba Experience  
**Gadi Abebe Campino**  
Pediatric Hemato-Oncology Division, Sheba Medical Center, Ramat Gan, Israel



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## SCIENTIFIC PROGRAM (Cont.) Thursday, June 22, 2023 (Cont.)

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### 13:15 - 14:45 Session I - Oncology (Cont.)

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- 14:15 MicroRNA as Cell Death Regulator and Liquid Biopsy Marker in Pediatric GB  
**Ruty Shai**  
Hematology Oncology, Sheba Medical Center, Ramat Gan, Israel
- 14:30 Ethnic and Socioeconomic Disparities in Survival of Children and Adolescents with CNS Tumors in Southern Israel  
**Abed Abu-Quider**  
Hematology Oncology, Soroka Medical Center, Beer Sheva, Israel
- 14:45 *Coffee Break, Poster Viewing and Visit the Exhibition*
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### 15:10 - 16:50 Session II - Oncology

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Chairs: **Myriam Ben-Arush**, Israel  
**Shai Izraeli**, Israel

- 15:10 Rapid Fire - Poster Presentation - 4 min Each Presentation
- 15:40 **Lecture Sponsored by Medison**  
ERG - From Down Syndrome to Treatment of Leukemia  
**Shai Izraeli**  
Rina Zaizov Division of Pediatric Hematology Oncology, Schneider Children's Medical Center of Israel, Petach-Tiqva, Israel
- 15:55 Revaccination of Children with Acute Lymphoblastic Leukemia Following Completion of Chemotherapy  
**Gil Gilad**  
Rina Zaizov Division of Pediatric Hematology Oncology, Schneider Children's Medical Center of Israel, Petach-Tiqva, Israel
- 16:10 **Keynote Lecture**  
Update on the Results of the RMS 2005 and the Aims of the FAR RMS  
**Hans Merks**  
Pediatric Oncology, Princess Maxima Center, Utrecht, Netherlands
- 16:50 *Coffee Break, Poster Viewing and Visit the Exhibition*



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SCIENTIFIC PROGRAM (Cont.)  
Thursday, June 22, 2023 (Cont.)

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17:15 - 19:30

Session III - Hematology

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Chairs: **Hagit Miskin**, Israel  
**Joanne Yacobovich**, Israel

17:15 **Keynote Lecture**

Germline Ribosomopathy-From Molecular Mechanisms to Targeted Therapy

**Alan J. Warren**

Hematology Dept., School of Clinical Medicine, University of Cambridge, UK

17:55 **Lecture sponsored by Sanofi**

Acquired Pediatric TTP: Learning from Adult's Experience

**Dorit Blickstein**

Senior Hematologist, Thrombosis & Hemostasis, Shamir Medical Center, Zerifin, Israel

18:30 Genetic Background and Clinical Characteristics of Congenital Neutropenias in Israel

**Orna Steinberg Shemer**

Rina Zaizov Division of Pediatric Hematology Oncology, Schneider Children's Medical Center of Israel, Petach-Tiqva, Israel

18:45 Long Term Hematopoietic Dysfunction in Patients with Large-Scale Mitochondrial DNA Deletion Syndromes

**Noa Greenberg-Kushnir**

Pediatric Hemato-Oncology Division, Sheba Medical Center, Ramat Gan, Israel

19:00 RAS Pathway Mutations are the Driver of MDS in a Subset of Pediatric Patients

**Asaf Yanir**

BMT, Cell Processing Facility, Schneider Children's Medical Center of Israel, Petach-Tiqva, Israel

19:15 Increased Prevalence of Thromboembolic Events in Patients with Congenital Dyserythropoietic Anemia Type I

**Mahdi Asleh<sup>1,2</sup>**

<sup>1</sup>Pediatric Hematology Oncology, Soroka University Medical Center, Beer Sheva;

<sup>2</sup>Faculty of Medicine, Ben-Gurion University of the Negev, Beer Sheva, Israel

19:30 *End of Day's Sessions*



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## SCIENTIFIC PROGRAM (Cont.)

Friday, June 23, 2023

07:50 **ISPHO - Annual Report and New ISPHO Chair Enouncement**  
New ISPHO Director Announcement

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**08:10 - 10:05**                      **Session IV - Neuroblastoma - Sponsored by Takeda**

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Chairs:                      **Shifra Ash**, Israel  
                                     **Dalia Waldman**, Israel

- 08:10 **Keynote Lecture**  
New Therapeutic Approaches for Neuroblastoma  
**Daniel Morgenstern**  
Solid Tumor Section, Hematology Oncology, Hospital for Sick Children, Toronto, Canada
- 08:50 The Landscape of Persister Cells in High-Risk Neuroblastoma  
**Liron Grossmann**  
Pediatric Hemato-Oncology Division, Sheba Medical Center, Ramat Gan, Israel
- 09:05 Circulating Tumor DNA to Guide Targeted Therapy in Neuroblastoma  
**Esther Berko**<sup>1,2</sup>  
<sup>1</sup>Rina Zaizov Division of Pediatric Hematology Oncology, Schneider Children's Medical Center of Israel, Petach-Tiqva, Israel; <sup>2</sup>Division of Oncology and Center for Childhood Cancer Research, Children's Hospital of Philadelphia, Philadelphia, PA, USA
- 09:20 The Influence of Irinotecan on CD47/PDL-1/GD-2 Expression in Neuroblastoma Cells  
**Tom Lapidus**  
Goldyne Savad Institute of Gene and Cell Therapy, Hadassah Hebrew University Hospital, Jerusalem, Israel
- 09:35 The Use of Anti GD2 Naxitamab in High Risk Neuroblastoma in Shaare Zedek Medical Center  
**Iris Fried**  
Hematology Oncology, Shaare Zedek Medical Center, Jerusalem, Israel



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SCIENTIFIC PROGRAM (Cont.)

Friday, June 23, 2023 (Cont.)

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08:10 - 10:05                      **Session IV - Neuroblastoma (Cont.) - Sponsored by Takeda**

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09:50    **Lecture Sponsored by Medison**

Chemoimmunotherapy for Relapse/Refractory Neuroblastoma with Qarziba  
**Esther Berko**<sup>1,2</sup>

<sup>1</sup>Rina Zaizov Division of Pediatric Hematology Oncology, Schneider Children's Medical Center of Israel, Petach-Tiqva, Israel; <sup>2</sup>Division of Oncology and Center for Childhood Cancer Research, Children's Hospital of Philadelphia, Philadelphia, PA, USA

10:05    *Coffee Break, Poster Viewing and Visit the Exhibition*

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10:35 - 11:45                      **Session V - Hematology**

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Chairs:                      **Carina Levin, Israel**  
                                     **Noa Mandel Shorer, Israel**

10:35    **Keynote Lecture**

New Options in Therapeutics for Sickle Cell Disease

**Julie Kanter**

UAB Adult Sickle Cell Clinic, Division of Hematology Oncology, University of Alabama at Birmingham, USA

11:15    Hemoglobin S Polymerization and RBC Sickling Evaluation in Sickle Cell

**Sari Peretz**<sup>1,2,3</sup>

<sup>1</sup>Pediatric Hematology Unit and Research Laboratory, Emek Medical Center, Afula;

<sup>2</sup>Clinical Laboratory Unit, Emek Medical Center, Afula; <sup>3</sup>The Ruth and Bruce Rappaport Faculty of Medicine, Technion Israel Institute of Technology, Haifa, Israel

11:30    Flow Cytometric Osmotic Fragility Test for Hemoglobinopathies Carriers Screening

**Carina Levin**<sup>1,2</sup>

<sup>1</sup>Pediatric Hematology Unit and Research Laboratory, Emek Medical Center, Afula;

<sup>2</sup>The Ruth and Bruce Rappaport Faculty of Medicine, Technion Israel Institute of Technology, Haifa, Israel

11:45    *Short Coffee Break*



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## SCIENTIFIC PROGRAM (Cont.) Friday, June 23, 2023 (Cont.)

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12:00 - 14:00                      Session VI - BMT

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Chairs:                      **Gal Goldstein**, Israel  
                                     **Amos Toren**, Israel

12:00    **Keynote Lecture**

The Future of Pediatric Allogeneic Transplantation in the Context of Cell-and Gene Therapies

**Rupert Handgretinger**

Dept. of General Pediatrics, Pediatric Hematology Oncology, University Hospital Tuebingen, Germany

12:40    Haploidentical Stem-Cell Transplantation for Children with Acute Leukemia and Non-Malignant Disorders, Using AB+ T CELL /CD19+ B-cell Depletion, A Single Center Experience

**Amos Toren**<sup>1,2</sup>

<sup>1</sup>Pediatric Hemato-Oncology Division, Sheba Medical Center, Ramat Gan; <sup>2</sup>Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv, Israel

12:55    Mesenchymal Stem Cell Coupled with Hematopoietic Stem Cell Transplantation in Recessive Dystrophic Epidermolysis Bullosa (RDEB)

**Ronit Elhasid**

Pediatric Hematology Oncology, Dana-Dwek Children's Hospital, Tel-Aviv Sourasky Medical Center, Tel Aviv, Israel

13:10    TCR $\alpha$ / $\beta$ + Depletion Using CliniMacs Prodigy vs CliniMacs Plus Systems: A Head to Head Comparison

**Asaf Yanir**

BMT, Cell Processing Facility, Schneider Children's Medical Center of Israel, Petach-Tiqva, Israel

13:25    Systemic Effects of Oral Budesonide Given for Gastrointestinal-Graft Versus Host Disease Treatment, in Children after Allogeneic Hematopoietic Stem Cell Transplantations

**Aharon Gefen**<sup>1,2</sup>

<sup>1</sup>Division of Pediatric Hematology, Oncology and Bone Marrow Transplants, Rambam Medical Center, Haifa; <sup>2</sup>Faculty of Medicine, Technion - Israel Institute of Technology, Haifa, Israel



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**SCIENTIFIC PROGRAM (Cont.)**  
**Friday, June 23, 2023 (Cont.)**

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**12:00 - 14:00**                      **Session VI - BMT (Cont.)**

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13:40 ***Sponsored lecture by Novartis***

Ruxolitinib for Graft Versus Host Disease in Children - Are we in a New Era?

**Asaf Yanir**

Rina Zaizov Division of Pediatric Hematology Oncology, Schneider Children's Medical Center of Israel, Petach-Tiqva, Israel

13:55 CONCLUDING REMARKS

**Shifra Ash**, ISPHO Chair





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## POSTER PRESENTATIONS

Board no.

1. Comparison between Peripheral and Central Blood Cultures in Pediatric Oncology Patients with Bloodstream Infections  
**Mahdi Asleh<sup>1,2</sup>**  
<sup>1</sup>Faculty of Medicine, Ben Gurion University of the Negev, Beer Sheva; <sup>2</sup>Pediatric Hematology Oncology, Soroka University Medical Center, Beer Sheva, Israel
2. The Role of Hydroxychloroquine in The Management of Children with ITP and Positive Antinuclear Antibodies  
**Dafna Brik Simon<sup>1,2</sup>**  
<sup>1</sup>Pediatric Hematology Oncology, Schneider Children's Medical Center, Petach-Tiqva; <sup>2</sup>Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv, Israel
3. Fulminant Liver and Renal Failure in a Child with Sickle Cell Disease on Deferasirox  
**Hila Dias-Polak**  
Pediatric Hematology Oncology, Ruth Rappaport Children's Hospital, Rambam Health Care Campus, Haifa, Israel
4. Low-Level Laser Therapy (LLLT) for Pediatric Oral Mucositis Induced by Chemotherapy  
**Dan Harlev**  
Pediatric Hematology Oncology, Hadassah University Medical Center, Jerusalem; <sup>2</sup>Dept. of Oral Medicine - School of Dentistry, Hadassah University Medical Center, Jerusalem, Israel
5. Does Weight Loss Impair Response to Chemotherapy in Pediatric Patients with Osteosarcoma?  
**Yair Peled**  
Pediatric Hematology Oncology, Tel-Aviv Medical Center, Tel-Aviv, Israel
6. Incidence of Bevacizumab Associated Toxicity in Children with Low Grade Glioma with and without NF1  
**Alexander Yelak**  
Pediatric Hematology Oncology, Schneider Children's Medical Center, Petach-Tiqva, Israel



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## POSTER PRESENTATIONS (Cont.)

Board no.

7. 18F-FDG-PET/CT in the Assessment of Bone Marrow Involvement in Pediatric Non-Hodgkin Lymphoma- A Single Center Experience  
**Maayan Siri**  
Pediatric Hematology Oncology, Dana Children's Hospital, Tel-Aviv Sourasky Medical Center, Tel-Aviv, Israel, Israel