

Thursday, 5 November 2026

08:00-09:00 Gathering, Registration, Poster Viewing & Professional Exhibition

09:00-10:45 Session 1: Disease Mechanisms – Basic and Clinical Aspects

Chairpersons: Oded Behar, Netta Levin

09:00-09:30 Neuroimmune interplay in the retina: decoding cell circuits of CNS protection and repair

Inbal Benhar

09:30-09:42 MYELIN-SPECIFIC IL2+ T-CELLS ARE ASSOCIATED WITH LAST OCCURRING RELAPSE SEVERITY IN RELAPSING–REMITTING MULTIPLE SCLEROSIS

Rina Ilona Zilkha-Falb, Tali Drori, Katya Shwartz, Michael Gurevich

09:42-09:54 SERUM MULTI-PROTEIN BIOMARKER PROFILES ASSOCIATE WITH DISABILITY, DISEASE COURSE, AND PROGRESSION INDEPENDENT OF RELAPSE ACTIVITY IN MULTIPLE SCLEROSIS

Hadar Kolb, Peer Kaufman, Lior Fuchs, Ifat Vigiser, Keren Regev, Malka Gorfine Orgad, Arnon Karni, Maya Golan

09:54-10:06 VIRAL EXPOSURE IN MYASTHENIA GRAVIS IN A POPULATION-BASED CASE-CONTROL STUDY

Tali Elkanovich, Adi Wilf-Yarkoni

10:06-10:18 A TEMPORAL GRADIENT OF VISUAL WHITE MATTER DEGENERATION FOLLOWING OPTIC NEURITIS

Sol Zamir, Atira Bick, Netta Levin

10:18-10:30 MULTIPLE SCLEROSIS IS ATTENUATED BY ENGINEERED MESENCHYMAL STEM CELL EVS IN A MOUSE MODEL

Ido Rosen, Arwa Qasim, David Benhamou, Ariel Bier, Raanan Margalit, Tali Ben Zur, Daniel Offen

10:30-10:42 STUDYING THE ROLES OF THE TYPE I INTERFERON RESPONSE IN RETINAL INJURY

Noa Karp, Inbal Benhar



10:45-11:30 Session 2: Coffee Break, Guided Poster Walk & Professional Exhibition

Chair and Moderator: Avi Gadoth

10:50-10:54 PERIPARTUM CLINICAL AND VOLUMETRIC MRI TRAJECTORIES AND PRE-PREGNANCY PREDICTORS OF POSTPARTUM OUTCOMES IN MULTIPLE SCLEROSIS

Shahar Zachariah-Levert, Nikole Rozenberg, Ifat Vigiser, Keren Regev, Arnon Karni, Moran Artzi, Hadar Kolb

10:54-10:58 XENOTRANSFUSION OF EXERCISE-TRAINED HUMAN SERUM TRANSFERS NEUROPROTECTION IN EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS

Noa Zarka, Ofira Einstein, Bneya Lieber, Yehuda Goldberg, Liel Hamdi, Moshe Rivlin, Avraham Katz

10:58-11:02 GNRH ANTAGONIST TREATMENT IMPACTS THE HALLMARK PATHOLOGY OF ALZHEIMER'S DISEASE IN A MOUSE MODEL OF THE DISEASE IN 5XFAD MICE

Danit Parker, Elyahu Yehezqel, Ekaterina Eremenko, Omri Kogman, Anna Nemirovsky, Talia Indig, Alon Zemer, Alon Monsonego

11:02-11:06 LOCALIZED TARGETING OF PATHOGENIC PD-1⁺ CD4 T CELLS WITH ARMORED CAR T REDUCES CNS INFLAMMATION

Rotem Shalita, Maya Ben Yehuda, Ido Amit, Adi Wilf-Yarkoni

11:06-11:10 LONG-TERM MAINTENANCE PLASMA EXCHANGE IN GENERALIZED MYASTHENIAGRAVIS: A RETROSPECTIVE TWO-CENTER REAL-WORLD COHORT STUDY

Yuval Wiesel, Vered Yahalom, Merav Barzilai, Adi Wilf- Yarkoni, Mark Hellman, Keren Regev, Hadar Kolb, Arnon Karni, Ifat Vigiser, Itay Lotan

11:10-11:14 WHEN BRAIN PROTECTORS FAIL: NEURAL PRECURSORS CELLS IN ALZHEIMER'S DISEASE

Marva Lachish, Nina Fainstein, Tal Ganz, Yara Shwaiky, Lihi Sofer Stepanov, Yoel Shor, Tamir Ben-Hur

11:14-11:18 SENESCENT ASTROCYTES EXACERBATE DISEASE PROGRESSION IN 5xFAD MICE

Elisa Gozlan, Ellon Nabet, Tamar Shalet, Yarden Lewit-Cohen, Jens Pahnke, Dan Frenkel

- 11:18-11:22 BMP AND PTBP1 INHIBITION PROMOTE DIFFERENTIATION AND SUPPRESS GLIOBLASTOMA CELL PROLIFERATION
Vicky Levi-Shaul, Ilan Volovitz, Liraz Ron, Tal Shahar, Arnon Karni,
Maya Golan
- 11:22-11:26 CD83 AS A NOVEL POTENTIAL BIOMARKER FOR AUTOIMMUNE ENCEPHALITIS
Nikki Kennett, Ariel Rechtman, Lielle Benhamou, Lyne Shweiki, Netta Stern, Livnat Brill, Tal Friedman-Korn, Tal Benoliel, Diya Doufish, Adi Vaknin-Dembinsky, Dana Ekstein
- 11:30-12:45 Session 3: Novel Immunotherapies**
Chairpersons: Naomi Habib, Itai Lotan
- 11:30-11:50 Immunotherapy in brain gliomas
Itai Raphael
- 11:50-12:10 CAR-T cells in systemic and neuroimmune disease – the Hadassah experience
Hamutal Gur
- 12:10-12:25 A planned study with CAR-T cells in MS
Adi Wilf-Yarkoni
- 12:25-12:45 Checkpoint inhibitor therapy in AD
Michal Schwartz
- 12:45-13:35 Lunch Break, Poster Viewing & Professional Exhibition**
- 13:35-14:50 Session 4: New Technologies and the Industry in Neuroimmunology Research**
Chairpersons: Dan Frenkel, Tamir Ben-Hur
- 13:35-14:20 The brain's lipid networks - mass spectrometry imaging and advanced computational analyses reveal the lipid pattern of health, aging, and disease
Jens Pahnke, University of Oslo, Norway
- 14:20-14:50 Transforming autoimmune disease treatment with first-in-class antigen-drug conjugates (AgDCs)
Roei Mazor



14:50-15:45 Session 5: Coffee Break, Guided Poster Walk & Professional Exhibition

Chair and Moderator: Avi Gadoth

- 14:55-14:59 CHANGES IN NEURO-RETINAL MARKERS OF INFLAMMATION IN DIABETIC RETINOPATHY TREATED WITH A SPECIFIC PROTEASE-ACTIVATED RECEPTOR 1 (PAR1) MODULATOR
Talia Appelboim-Refael, Valery Golderman, Efrat Shavit-Stein, Joab Chapman, Omer Goldberg, Shany G. Gofrit, Zehavit Goldberg
- 14:59-15:03 CLINICAL AND RADIOLOGICAL CORRELATES OF SERUM NEUROFILAMENT LIGHT CHAIN IN MULTIPLE SCLEROSIS: A RETROSPECTIVE STUDY
Emily Praisman, Efrat Shavit Shtein, Zehavit Goldberg, Polina Sonis, Michael Gurevich, Tali Drori
- 15:03-15:07 MICROGLIA NUMBERS AND FUNCTION IS REGULATED BY THE PROS1-TAM SIGNALING AXIS
 Roberta Fresia, Galina Ashmawy, Liele Cayam-Rand, Arielle Hochberg, Katya Zelentsova-Levitskyi, **Tal Burstyn-Cohen**
- 15:07-15:11 THROMBIN MODULATION BY SIXAC REGULATES VEGF DYNAMICS IN GLIOBLASTOMA
Valery Golderman, Joab Chapman, Michal Entin-Meer, Tehila Kaisman-Elbaz, Efrat Shavit-Stein
- 15:11-15:15 Q-RING LUPUS WITH DOXYLIN
Lama Talhamy Mshiel
- 15:15-15:19 THE INTERPLAY BETWEEN PAR1, INTERFERON- β AND THE COAGULATION SYSTEM
Mor Levy
- 15:19-15:23 THROMBIN INHIBITION PROTECTS AGAINST INFLAMMATORY PERIPHERAL NEUROPATHY IN MICE
Lamis Qassim, Joab Chapman, Valery Golderman, Amir Dori, Efrat Shavit-Stein



15:23-15:27 ASSOCIATION BETWEEN CHANGES IN ACHR ANTIBODY STATUS AND CLINICAL COURSE IN MYASTHENIA GRAVIS: A RETROSPECTIVE SINGLE-CENTER COHORT STUDY

Ilia Urman, Sheree Finkelshtain, Shelly Degani Schwalm, Adi Wilf-Yarkoni, Mark Hellmann, Itay Lotan

15:27-15:31 A FUNCTIONAL PARADOX IN HIGHLY PHAGOCYTIC MICROGLIA OF THE ALZHEIMER'S DISEASE BRAIN

Marva Lachish, Nina Fainstein, Tal Ganz, yara Shwaiky, Lihi Sofer Stepanov, Yoel Shor, Tamir Ben-Hur

15:31-15:35 PREDICTORS AND PATTERNS OF LONG-TERM REAL-WORLD TREATMENT STRATEGIES AFTER CLADRIBINE THERAPY IN RELAPSING-REMITTING MULTIPLE SCLEROSIS: A MULTICENTER ISRAELI COHORT STUDY

Adi Wilf-Yarkoni, Itay Lotan, Assaf Tolkovsky, Mark Hellmann, Lior Fuchs, Arnon Karni, Keren Regev, Hadar Kolb, Ifat Vigiser, Esther Ganelin-Cohen, David Megalashvili, Diana Guber, Tali Drori, Maya Garty Ofir, Nitai Shimon, Ibraheem Abu Salameh, Ayal Rozenberg, Alla Shifrin, Adi Vaknin-Dembinsky, Tal Friedman Korn, Shay Menascu

15:35-15:39 PREDICTORS OF DISEASE SEVERITY AND LONG-TERM DISABILITY IN NEUROMYELITIS OPTICA SPECTRUM DISORDER: A RETROSPECTIVE DUAL-CENTER STUDY

Gal Tsur, Sol Zamir, Keshet Pardo, Shani Caspi, Ophir Keret, Adi Wilf-Yarkoni, Mark Hellmann, Adi Vaknin-Dembinski, Itay Lotan

15:39-15:43 LIMITED IMPACT OF EXERCISE-TRAINED DONOR MICROBIOTA XENOTRANSPLANTATION ON EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS SEVERITY: A PILOT STUDY

Bnaya Lieber, Noa Zarka, Yehuda Goldberg, Liel Hamdi, Moshe Rivlin, Orian Agranyoni, Shiri Navon-Venezia, Abram Katz, Ofira Einstein



15:45-17:40 Session 6: Neuroimmunology in Earlier Life

Chairpersons: Eitan Okun, Ron Milo

*Sponsorship without involvement in content



15:45-16:05 The EBV-MS connection: evidence, mechanisms, and clinical implications

Adi Vaknin

16:05-16:25 From childhood to adulthood: a neuroimmunology continuum

Esther Ganelin Cohen

16:25-16:37 THE EFFECT OF TRANSITION FROM CHILDHOOD TO ADULTHOOD IN MULTIPLE SCLEROSIS PATIENTS

Shay Menascu, Roi Aloni

16:37-16:49 DISEASE-ASSOCIATED COMMITTED OLIGODENDROCYTE PROGENITORS PRIME ASTROCYTE REACTIVITY AND AMYLOID-BETA RESPONSES VIA BMP4 SIGNALLING

Anna Kristina Schmidtner, **Nadav Elan Eliash**, Adi Ravid, Daniel Kitsberg, Gali Schwartz, Anael Cain, Miriam Adam, Stefano Suzzi, Tommaso Croese, Michal Schwartz, Naomi Habib

16:49-17:01 NASCENT OLIGODENDROCYTE SYNTHESIS AND AGE-DIVERGENT MYELIN TRAJECTORIES ACROSS DE- AND REMYELINATION

Noa Moreno, Tamar Levy, Lihi Bolokan, Tal Iram

17:01-17:13 INTRINSIC SEX DIFFERENCES IN FASCIA AND THEIR RESPONSE TO STRESS

Tehillah Marom

17:13-17:25 BEYOND BMI: EVIDENCE OF EARLY SARCOPENIA RISK AND SEX-SPECIFIC CHANGES IN PEOPLE WITH MULTIPLE SCLEROSIS: PRELIMINARY FINDING FROM THE MEDIET4MS STUDY

Hadas Arad Hardoon, Vered Kaufman-Shriqui, Maya Golan, Natalie Guttman, Allon Reiter, Hadar Kolb, Ifat Vigiser, Arnon Karni

17:25-17:37 AUTOIMMUNE ENCEPHALITIS FOLLOWING ANTECEDENT CENTRAL NERVOUS SYSTEM PATHOLOGY: A MULTI-CENTER CASE SERIES

Benjamin Uliel, **Tal Friedman Korn**, Tal Ben Oliel- Berman, Adi Vaknin-Dambinsky, Maria Houtchens, Giovanna S. Manzanno

17:40-17:50 Wrap Up