

## MIT 42. Vándorgyűlés - Program

16 October, Wednesday (Lectures in English)

- 11.30-13.30 HSI Board Meeting
- 13.45-14.00 Congress Opening  
**József Bódis** / Rector, University of Pécs
- 14.00-16.20 **Chairs: Márta Széll and Lajos Kemény**
- 14.00-14.50 **Abul K. Abbas** / University of California, San Francisco  
BALANCING TOLERANCE AND AUTOIMMUNITY:  
CONTROLLING  
HARMFUL IMMUNE RESPONSES
- 14.50-15.15 **Attila Bácsi** / Department of Immunology, University of Debrecen  
NEW KID ON THE BLOCK: UNEXPECTED ROLES OF 8-  
OXOGUANINE  
DNA GLYCOSYLASE- 1 IN THE CELLULAR RESPONSES
- 15.15-15.40 **Zoltán Prohászka** / Research Laboratory, 3rd Department of  
Internal Medicine, Semmelweis University  
THE ROLE OF INNATE IMMUNE MECHANISMS IN THE  
PATHOGENESIS OF  
THROMBOTIC THROMBOCYTOPENIC PURPURA
- 15.40-16.05 **Júlia Szekeres-Barthó** / Department of Medical Microbiology and  
Immunology,  
University of Pécs  
CYTOKINE-LIKE AND CELL CYCLE REGULATORY EFFECTS  
OF  
THE PROGESTERONE INDUCED BLOCKING FACTOR (PIBF)
- 16.05-16.20 **Andreas Rieger** / Biotech Hungary Kft.  
THE WIDE RANGE OF APPLICATIONS COVERED BY HYBRID  
MULTIMODE READER INCL. IMAGING CAPABILITY
- 16.20-16.45 *Coffee break*
- 16.45-18.50 **Chairs: Anna Erdei and Imre Kacs Kovics**
- 16.45-17.10 **Zoltán Szekanecz** / Department of Rheumatology, University of  
Debrecen  
THE BERMUDA TRIANGLE OF GENETICS, ENVIRONMENT  
AND  
AUTOIMMUNITY IN THE PATHOGENESIS OF RHEUMATOID  
ARTHRITIS
- 17.10-17.35 **Anna Erdei** / Department of Immunology, Eötvös Lóránd  
University, Budapest  
THE ANTAGONISTIC FUNCTION OF COMPLEMENT

- RECEPTORS CR1  
(CD35) AND CR2 (CD21) ON HUMAN B CELLS IN HEALTH AND  
AUTOIMMUNITY
- 17.35-18.00 **Attila Mócsai** / Institute of Physiology, Semmelweis University  
TYROSINE KINASES IN AUTOIMMUNE DISEASES
- 18.00-18.25 **Péter Balogh** / Department of Immunology and Biotechnology,  
University of Pécs  
VASCULAR PATTERNING AS A DETERMINANT OF  
IMMUNOLOGICAL  
COMPETENCE IN VISCERAL LYMPHOID TISSUES
- 18.25-18.50 **Lajos Kemény** / Department of Dermatology and Allergology,  
University of Szeged  
PSORIASIS: FROM THE GENETICS TO THE THERAPY
- 18.50-19.00 HSI General Assembly I.
- 19.15 – *Welcome reception at the congress venue ( Kodály központ)  
with Misina Folkdance Ensemble*

### **17 October, Thursday (Lectures in Hungarian)**

#### **08.30-09.50 Signalling in immune response, chair: Gabriella Sármay**

**Gabriella Sármay** / Department of Immunology, Eötvös  
Lóránd University, Budapest  
SIGNAL TRANSDUCTION IN THE IMMUNE RESPONSE

**Ferenc Boldizsár** / Department of Immunology and  
Biotechnology, University of Pécs  
A 2013-AS GERGELY JÁNOS DÍJ NYERTES ELŐADÁSA.  
THE ROLE OF ZAP-70 KINASE IN THE FINE-TUNING OF  
TCR SIGNALLING:  
IMPLICATIONS FOR IMMUNOPATHOLOGY AND –  
THERAPY

**Tamás Németh** / Department of Physiology, Semmelweis  
University  
TRANSGENIC APPROACHES IN THE INVESTIGATION OF  
INNATE IMMUNE CELL SIGNAL TRANSDUCTION

**Gergely Toldi** / 1st Department of Pediatrics, Semmelweis  
University  
INHIBITION OF Kv1.3 AND IKCa1 LYMPHOCYTE

POTASSIUM CHANNELS AS A POTENTIAL THERAPEUTIC  
TARGET IN AUTOIMMUNE DISORDERS

09.50-10.20 *Coffee break*

10.20–11.50 **Immune regulation, chair: Éva Rajnavölgyi**

**Éva Rajnavölgyi** / Department of Immunology, University of  
Debrecen  
FUNCTIONAL INTEGRITY OF THE HOST, THE IMMUNE  
SYSTEM AND THE GUT MICROBIOME

**Krisztián Bene** / Department of Immunology, University of  
Debrecen  
HUMAN INTESTINAL DENDRITIC CELLS DICTATE  
INFLAMMATION AND T-CELL POLARIZATION

**Kornélia Szabó** / Dermatological Research Group of the  
HAS, University of Szeged  
THE ROLE OF THE SKIN'S COMMENSAL MICROFLORA IN  
HEALTH AND DISEASE

**Edit Buzás** / Department of Genetics, Cell- and  
Immunobiology, Semmelweis University  
THE ROLE OF EXTRACELLULAR VESICLES IN  
IMMUNOREGULATION

**Zoltán Pós** / "Lendület" Experimental and Translational  
Immunomics Research  
Group, HAS, Semmelweis University  
TRANSCRIPTOME ANALYSIS OF CD8+ RESIDENT  
MEMORY T CELLS REVEALS ORGAN-LEVEL  
ENVIRONMENTAL ADAPTATION AND FUNCTIONAL  
DIVERSITY IN T CELL MEMORY

**Árpád Lányi** / Department of Immunology, University of  
Debrecen  
SLAM-FAMILY RECEPTORS IN THE REGULATION OF  
CD40L-INDUCED DENDRITIC CELL RESPONSES

11.50-12.00 *Technical break*

12.00-13.00 **Evolution immunology, chair: István Andó**

**Viktor Honti** / Laboratory of Immunology, Biological Research  
Center of the HAS, Szeged

BLOOD CELL COMPARTMENTS - REGULATION AND EVOLUTION

**József Prechl** / Immunology Research Group of the HAS at Eötvös Lóránd University, Budapest

MOLECULAR RECOGNITION STRATEGIES

**László Takács** / Biosystems International- Department of Genetics, University of Debrecen

GLOBAL PROTEOME ANALYSIS OF THE HUMAN PLASMA REVEALS NEW BIOLOGICAL FEATURES: A REVIEW OF EVOLUTIONARY IMPLICATION

13.00-14.30 *Lunch break*  
*HSI General Assembly II.*  
*Granting poster awards, Biomedica awards for young researchers*

14.30-15.40 **Epigenetics and immune response, chair: András Falus**

**András Falus** / Department of Genetics, Cell- and Immunobiology, Semmelweis University  
EPIGENETICS AND IMMUNE RESPONSE (a review)

**Imre Boros** / Department of Biochemistry and Molecular Biology, University of Szeged  
EPIMUTAGÉN BAKTÉRIUMOK HATÁSA IMMUNGÉNEKRE

**Tamás Orbán** / Institute of Molecular Pharmacology, RCNS, HAS, Budapest  
OF MIRTRONS AND 3' miRNA ISOFORMS: MICRORNAS FORMED BY ALTERNATIVE PATHWAYS

15.40-16.10 Coffee break

16.10-17.20 **New Immunotherapy and diagnostic results, chairs: László Czirják and Tímea Berki**

**Zsolt Illés** / University of Southern Denmark  
RESHAPING NEUROLOGY: THE EMERGING ROLE OF AUTOANTIBODIES

**László Czirják** / Department of Rheumatology and Immunology, University of Pécs

## BIOLOGICAL THERAPY OF ANCA-ASSOCIATED VASCULITIDES

**Jolán Walter** / Section of Pediatric Allergy/Immunology,  
Massachusetts General Hospital for Children Harvard Medical  
School

TOLL-LIKE RECEPTOR ENGAGEMENT CONVERTS  
INNATE DYSREGULATION INTO OVERT CYTOKINE  
STORM AND PROMOTES AUTOIMMUNITY IN MURINE  
MODEL OF LEAKY SCID

- 17.45-19.00 HSI General Assembly III.  
Granting awards (Backhausz Emlékérem, Kesztyűs Lóránd  
Emlékérem, Gergely János Emlékérem és Ösztöndíj)  
Dinner and Reception, Csontváry Museum (Pécs, Janus  
Pannonius str.11.)  
20.00-  
with Vivat Bacchaus Ensemble at 21.00

**18 October, Friday (Lectures in English)**

## UPDATE AND NEW CONCEPTS IN BASIC AND TRANSLATIONAL IMMUNOLOGY

Course Faculty: Abul K. Abbas, MD  
University of California, San Francisco

Introduction: **Prohászka Zoltán**

- 9:00 INTRODUCTION TO THE IMMUNE SYSTEM  
9:30 INNATE IMMUNITY  
10:30 ANTIGEN PRESENTATION, T CELL ACTIVATION AND  
COSTIMULATION  
11:30 *Coffee Break and **POSTER SECTION I***  
12:00 CD4 T CELL SUBSETS, CYTOKINES  
13:00 *Lunch Break and **POSTER SECTION II.***  
14:00 B CELLS AND ANTIBODIES  
15:00 T CELL REGULATION AND TOLERANCE – I.CENTRAL AND  
PERIPHERAL TOLERANCE  
16:00 *Coffee Break **POSTER SECTION III.***  
16:30 T CELL REGULATION AND TOLERANCE – II.REGULATORY T  
CELLS, AUTOIMMUNITY  
17:30 ADJOURN