

# European Phagocyte Workshop

March 20 - 23, 2024 | Visegrád, Hungary



## PROGRAM BOOK

## CO-ORGANIZERS



 This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 739593.



## SPONSORS



## PROGRAM AT A GLANCE

### Wednesday (March 20)

<b>15:00-18:00</b>	Registration
<b>17:30-17:45</b>	Opening
<b>17:45-19:00</b>	Keynote session
<b>19:00-21:00</b>	Welcome reception

### Thursday (March 21)

<b>8:30-10:00</b>	Cell regulation and migration
<b>10:00-10:30</b>	Coffee break
<b>10:30-12:00</b>	Novel techniques and cell trafficking
<b>12:00-12:30</b>	Group photo
<b>12:30-14:00</b>	Lunch
<b>14:00-15:30</b>	Phagocytes in diseases
<b>15:30-16:00</b>	Coffee break
<b>16:00-17:45</b>	Phagocytes in diseases
<b>18:30-20:30</b>	Poster Dinner

### Friday (March 22)

<b>8:30-10:00</b>	Neutrophil development and plasticity
<b>10:00-10:30</b>	Coffee break
<b>10:30-12:30</b>	Antitumor activity and host defense
<b>12:30-14:00</b>	Lunch
<b>14:00-15:30</b>	Macrophages
<b>15:30-16:00</b>	Coffee break
<b>16:00-17:45</b>	Different types of phagocytes
<b>18:45-22:00</b>	Social event with dinner

### Saturday (March 23)

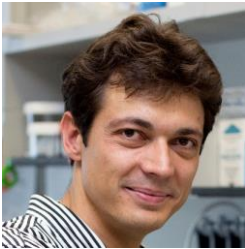
<b>8:30-10:00</b>	Antimicrobial functions
<b>10:00-10:30</b>	Coffee break
<b>10:30-12:00</b>	Antimicrobial functions
<b>12:00-12:30</b>	Awards and closing remarks

## ABOUT THE ORGANIZERS



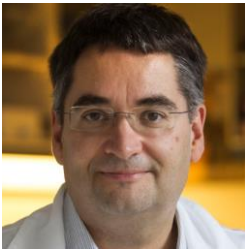
Tamás Németh, MD, PhD is a junior group leader in the Department of Physiology and a clinical rheumatologist at the Department of Rheumatology and Clinical Immunology at Semmelweis University School of Medicine in Budapest, Hungary. His major interests are the molecular mechanisms of how immune and non-immune cells contribute to human autoimmune diseases. He is funded by the Lendület program, the most prestigious Hungarian research grant scheme.

---



Balázs Enyedi, MD, PhD is a junior group leader in the Department of Physiology at Semmelweis University School of Medicine in Budapest, Hungary, and an investigator of the Hungarian Centre of Excellence in Molecular Medicine (HCEMM). His major interest lies in studying tissue damage and inflammation biology by developing novel biosensors and using them in zebrafish disease models. He was funded by the Lendület program, the most prestigious Hungarian research grant scheme.

---



Attila Mócsai, MD, PhD is a senior group leader and head of the Department of Physiology at Semmelweis University School of Medicine in Budapest, Hungary. He is also a corresponding member of the Hungarian Academy of Sciences. His major interests are the signaling pathways in myeloid cells (such as neutrophils and osteoclasts) during inflammatory disease models. He has been actively involved in the coordination of the European Phagocyte Workshops during the last decade.

---



Attila Varga is CEO of Diamond Congress Ltd., a Professional Conference Organizer (PCO) based in Budapest, Hungary. Together with his team, he has been organizing national and international conferences for almost 30 years, particularly in the fields of natural and medical sciences and physical engineering. He also serves as the leader of the PCO Chapter of the Federation of Hungarian Event Organizers and Suppliers.

## WELCOME ADDRESS

**Dear Friends and Colleagues,**

It is our great pleasure to welcome you at the 2024 European Phagocyte Workshop in Hungary. This is a standalone meeting dedicated entirely to phagocyte biology, a format which we believe can serve our scientific field and community much better than having been part of a larger meeting as mostly happened in the past. With more than 80 submitted abstracts and nearly 140 registered participants, we hope that our meeting will provide continuity in the revitalized annual forum for phagocyte research in Europe.

We have invited a number of outstanding speakers at different stages of their career, including a keynote lecture given by Lai Guan Ng from Shanghai, China. In agreement with the tradition of previous European Phagocyte Workshops, we have also placed major emphasis on promoting the active participation of junior investigators at the meeting. To this end, we have selected about 40 submitted abstracts for short talks, set up an entire evening with buffet dinner for poster presentation and discussion, and will give out 20 travel grants to junior scientists, thanks to the generous support from the European Federation of Immunological Societies (EFIS).

The venue of the meeting is located in Visegrád, a small picturesque town located at the bank of the Danube, approximately 40 kilometers north from the capital Budapest in the spectacular region called the Danube Bend. With hills in the back and the river in the front, Visegrád has always been an important place in Hungarian history, also thanks to its beautiful castle from the 13<sup>th</sup> century. A social event in the Solomon Tower will allow participants to enjoy the special atmosphere with the cultural and historic heritage of Visegrád.

We wish you a very pleasant and fruitful time in Visegrád!

Balázs Enyedi, Tamás Németh and Attila Mócsai

*Semmelweis University  
Budapest, Hungary*

## **PREVIOUS EUROPEAN PHAGOCYTE WORKSHOPS**

The history of the European Phagocyte Workshops dates back to around 1980 when scientists including Dirk Roos (Amsterdam) and Tony Segal (London) working on molecular aspects of the NADPH oxidase decided to set up an annual forum for phagocyte-related research in Europe.

The European Phagocyte Workshops have always focused on the biology of various phagocytic lineages with a major emphasis on disease pathomechanisms and neutrophil biology.

With a few exceptions, previous European Phagocyte Workshops were held under the umbrella of the Annual Scientific Meetings of the European Society for Clinical Investigation. In late 2019, our community decided to go on itself, and organize standalone European Phagocyte Workshops in the future. After the COVID pandemic, the first such meeting took place in 2023 in Budapest.

### **Recent European Phagocyte Workshops and their organizers**

2006 Prague, Czech Republic (Dirk Roos, Attila Mócsai)

2007 Uppsala, Sweden (Claes Dahlgren, Anna Karlsson)

2008 Geneva, Switzerland (Nicolas Demaurex, Matthias Wymann)

2009 Frankfurt, Germany (Barbara Walzog, Markus Sperandio)

2010 Bari, Italy (Marco Cassatella, Silvano Sozzani)

2011 Heraklion, Greece (Isabelle Maridonneau-Parini, Timo van den Berg)

2012 Budapest, Hungary (Attila Mócsai, Erzsébet Ligeti)

2013 Albufeira, Portugal (Oliver Soehnlein)

2014 Utrecht, The Netherlands (Leo Koenderman, Jeanette Leusen)

2015 Cluj, Romania (Andrés Hidalgo, Antonio Castrillo, Eeva Inari Soininen)

2016 Paris, France (Véronique Witko-Sarsat, Florence Niedergang)

2017 Genova, Italy (Massimo Locati, Antonio Sica)

2018 Barcelona, Spain (Amiram Ariel, Joan Clària)

2019 Coimbra, Portugal (Oliver Soehnlein, Carlos Silvestre, Joana Viola)

2023 Budapest, Hungary (Attila Mócsai, Balázs Enyedi, Tamás Németh)

## DETAILED PROGRAM

**DAY 1**

**Wednesday, March 20**

**15:00-18:00 Registration**

**17:30-17:45 Opening address**

*Attila Mócsai*

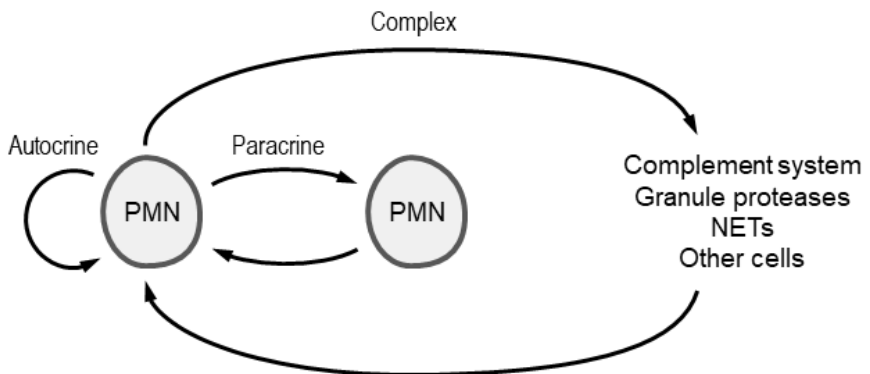
**17:45-19:00 Keynote session**

*Chairs: Tamás Németh, Balázs Enyedi*

Lai Guan Ng (Shanghai, China) - I-01

*Neutrophils: The Power of More Than One*

**19:00-21:00 Welcome reception**



**8:30-10:00 Cell regulation and migration**

*Chairs: Annemarie Meijer, rpd Lny*

8:30-9:00

Sergio Catz (La Jolla, USA) - I-02

*The endolysosome, a sensor for the regulation of phagocyte function*

9:00-9:15

Matteo Napoli (Munich, Germany) - O-01

*Cytosolic S100A8/A9 promotes Ca<sup>2+</sup> supply at LFA-1 adhesion clusters during neutrophil recruitment*

9:15-9:30

Sabino Garra (Bari, Italy) - O-02

*Selective inhibition of two aquaporin membrane channels, AQP3 or AQP9, impairs human PBMCs and neutrophil cell migration*

9:30-9:45

Markus Rehberg (Neuherberg, Germany) - O-03

*Alveolar macrophages initiate the spatially restricted neutrophil recruitment during nanoparticle inhalation*

9:45-10:00

Nils Olijhoek (Sheffield, UK) - O-04

*In The Eye of The Swarm - Unravelling Neutrophil Swarming Dynamics in Danio rerio*

**10:00-10:30 Coffee break****10:30-12:00 Novel techniques and cell trafficking**

*Chairs: Steve Renshaw, Giuseppe Calamita*

10:30-11:00

Anna Huttenlocher (Madison, USA)- I-03

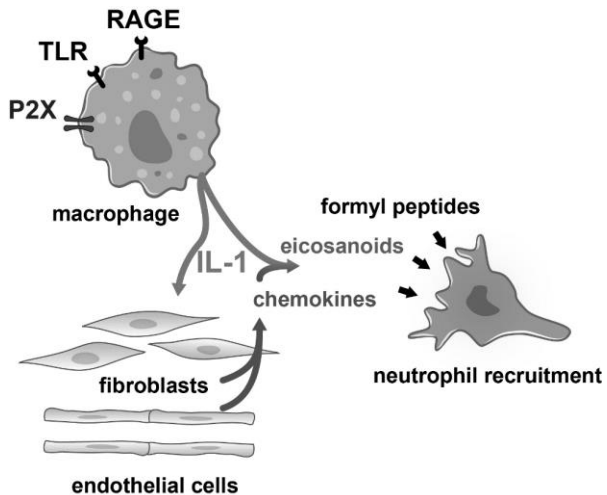
*Engineering human iPSC derived neutrophils to understand anti-fungal defense*



- 11:00-11:15 Áron Pánczél (Budapest, Hungary) - O-05  
*Genetic editing of HoxB8 cells to study neutrophil functions in vivo*
- 11:15-11:30 Boldizsár Vámosi (Budapest, Hungary) - O-06  
*Developing next-generation LTB4 biosensors with a high-throughput molecular pipeline*
- 11:30-11:45 Loïc Rolas (London, UK) - O-07  
*Senescent endothelial cells promote pathogenic neutrophil trafficking in inflamed tissues*
- 11:45-12:00 Sonja Vermeren (Edinburgh, UK) - O-08  
*A pathway preventing excessive formylated peptide-induced inflammation-associated microvascular leakage*
- 12:00-12:30 Group photo**
- 12:30-14:00 Lunch**
- 14:00-15:30 Phagocytes in diseases 1**  
*Chairs: Ulla Knaus, Ádám Dénes*
- 14:00-14:30 Raphaela Goldbach-Mansky (Bethesda, USA) - I-04  
*When misspellings provide new insights: lessons from patients with rare autoinflammatory diseases*
- 14:30-14:45 Krisztina Futosi (Budapest, Hungary) - O-09  
*Tyrosine phosphorylation pathway in monosodium urate crystal-induced inflammation*

- 14:45-15:00 Mareike Neumann (Lübeck, Germany) - O-10  
*Metabolic intervention with 2-DG ameliorates symptoms in a model of atopic dermatitis*
- 15:00-15:15 Eszter Káposztas (Budapest, Hungary) - O-11  
*The effect of entospletinib in autoantibody-induced experimental arthritis*
- 15:15-15:30 Hannah Wiggett (Saclay, France) - O-12  
*Illuminating antiviral inflammation and neuroinflammation*
- 15:30-16:00 Coffee break**
- 16:00-17:45 Phagocytes in diseases 2**  
*Chairs: Daniela Maier-Begandt, Attila Gácser*
- 16:00-16:30 Oliver Soehnlein (Muenster, Germany) - I-05  
*New concepts of neutrophil maturation - a matter of location*
- 16:30-16:45 Sofia de Oliveira (Bronx, USA) - O-13  
*Metabolic syndrome impacts neutrophil biology and their role in disease*
- 16:45-17:00 Beata Goldyn (Bonn, Germany) - O-14  
*Unveiling the significance of IL-22: Exploring healing and recurrence in the context of Pyelonephritis*
- 17:00-17:15 Julia J. Dielesen (London, UK) - O-15  
*Investigating the dynamics and characteristics of neutrophils infiltrating the draining lymph nodes post Ischaemia-Reperfusion Injury, and their role in regulating CD4+ T-cells*

- 17:15-17:30 Roland Immler (Planegg-Martinsried, Germany) - O-16  
*Prelimplantation factor (PIF) is a critical modulator of neutrophil functions during pregnancy*
- 17:30-17:45 Éva Kemecei (Budapest, Hungary) - O-17  
*Characterization of the role of lymphatics in autoimmune arthritis*
- 18:30-20:30 **Poster Dinner**

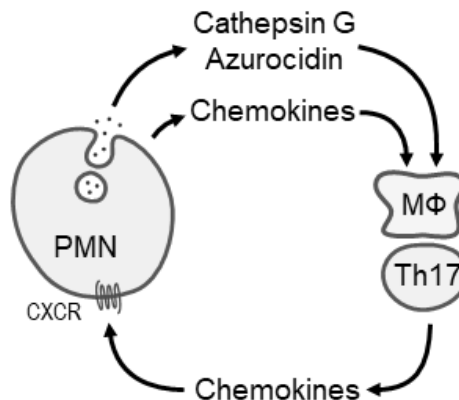


- 8:30-10:00**    **Neutrophil development and plasticity**  
*Chairs: Jesmond Dalli, Carlos Silvestre-Roig*
- 8:30-9:00       Markus Sperandio (Munich, Germany) - I-06  
*Ontogenetic regulation of neutrophil function*
- 9:00-9:15       Steven D. S. Webbers (Amsterdam, The Netherlands)  
- O-18  
*Towards culturing the perfect neutrophil: Functional and proteogenomic comparison of stem cell derived neutrophils versus circulating neutrophils*
- 9:15-9:30       Daniela Maier-Begandt (Planegg-Martinsried, Germany) - O-19  
*VPS18 is essential for proper neutrophil development*
- 9:30-9:45       Abhinandan Deva Prasad (Oxford, UK) - O-20  
*Novel transcriptional regulators of neutrophil maturation*
- 9:45-10:00      Ulla Knaus (Dublin, Ireland) - O-21  
*Neutrophil plasticity opens the ROS treasure chest*
- 10:00-10:30**    **Coffee break**
- 10:30-12:30**    **Antitumor activity and host defense**  
*Chairs: Sarah Walmsley, Nicholas Lukacs*
- 10:30-11:00     Tanya Mayadas (Boston, USA) - I-07  
*Harnessing neutrophils for T cell dependent anti-tumor immunity*

- 11:00-11:15 Benedict Boateng Antuamwine (Essen, Germany) - O-22  
*Exploring neutrophil antitumor functions*
- 11:15-11:30 Dennis Gout (Amsterdam, The Netherlands) - O-23  
*Fusion of TNF- $\alpha$  to an Fc $\alpha$ RI bispecific antibody potentiates neutrophil-mediated anti-tumor effects*
- 11:30-11:45 Collins Osei-Sarpong (Münster, Germany) - O-24  
*Hepatic neutrophil extracellular traps limit dissemination of gut-derived products*
- 11:45-12:00 Liz Hernández (Montpellier, France) - O-25  
*In vivo analysis of the contribution of zebrafish S100A10a and S100A10b alarmins to innate immune functions*
- 12:00-12:30 Christoph Scheiermann (Geneva, Switzerland) - I-08  
*Circadian trafficking and function of dendritic cells and neutrophils*
- 12:30-14:00 Lunch**
- 14:00-15:30 Macrophages**  
*Chairs: Kitti Pázmándi, Mathieu-Benoit Voisin*
- 14:00-14:30 Mia Phillipson (Uppsala, Sweden) - I-09  
*The role of macrophages during tissue restoration following injury*

- 14:30-14:45 Jesmond Dalli (London, UK) - O-26  
*Apoptotic cell uptake triggers localized MCTR production by macrophages to drive efferocytosis and tissue repair*
- 14:45-15:00 Hala Ahmad (Debrecen, Hungary) - O-27  
*ATRA differently modifies inflammatory response in the various human macrophage subpopulations*
- 15:00-15:15 Tobias Stoeger (Munich/Neuherberg, Germany) - O-28  
*Macrophage dynamics during nanoparticle triggered lung inflammation revealed by single cell transcriptomics in mice*
- 15:15-15:30 Resul Ozbilgic (Montpellier, France) - O-29  
*Exploring the role of NRROS in macrophage polarization in zebrafish*
- 15:30-16:00 Coffee break**
- 16:00-17:45 Different types of phagocytes**  
*Chairs: Balázs Rada, Ákos Lőrincz*
- 16:00-16:30 Marjolein van Egmond (Amsterdam, The Netherlands) - I-10  
*IgA-activated phagocytes: Innocent until proven guilty?*
- 16:30-16:45 Valeria Maria Oliva (Geneva, Switzerland) - O-30  
*Control of dendritic cell dynamics in the skin by the sympathetic nervous system*

- 16:45-17:00 Zuzana Parackova (Prague, Czech Republic) - O-31  
*Unravelling immune dysregulation in STAT1 gain-of-function mutations: Insights from dendritic cells and neutrophils*
- 17:00-17:15 Nicholas Lukacs (Ann Arbor, USA) - O-32  
*Cellular metabolic regulation of dendritic cell innate immune responses to RSV is mediated via NAD-dependent activation*
- 17:15-17:30 Mayra A. Aguirre-García (Leiden, The Netherlands) - O-33  
*Lysosomes coordinate innate immunity against intracellular mycobacteria in macrophages via Guanylate-binding protein 1*
- 17:30-17:45 Philip Elks (Sheffield, UK) - O-34  
*Tribbles1 activates leukocytes to be host protective during in vivo mycobacterial infection*
- 18:45-22:00 Social event with dinner**



**8:30-10:00 Antimicrobial functions 1**

*Chairs: Sofia de Oliveira, Krisztina Futosi*

8:30-9:00 Veronique Witko-Sarsat (Paris, France) - I-11  
*PCNA as a regulator of neutrophil function in inflammatory diseases*

9:00-9:15 Lucie Pesenti (Paris, France) - O-35  
*Interactome of cytosolic PCNA in neutrophils from patients with covid-19 has uncovered novel protein partners that are associated with disease severity*

9:15-9:30 Annemarie H. Meijer (Leiden, The Netherlands) - O-36  
*DRAM1 promotes autophagy-related host defense mechanisms*

9:30-9:45 Antonio Monera Girona (El Palmar, Spain) - O-37  
*Peds1 deficiency in zebrafish reveals a crucial role for plasmalogens in phagocyte survival, and host inflammatory response and resistance to bacterial infection*

9:45-10:00 Balazs Rada (Athens, USA) - O-38  
*The cystic fibrosis airway environment limits the ability of human neutrophils to kill methicillin-resistant Staphylococcus aureus by several potential mechanisms*

**10:00-10:30 Coffee break**



**10:30-12:00 Antimicrobial functions 2**

*Chairs: Szilvia Benkő, Philip Elks*

10:30-11:00 Borko Amulic (Bristol, UK) - I-12

*Mitochondrial regulation of pathogenic neutrophil responses in malaria*

11:00-11:15 David Barinberg (Erlangen, Germany) - O-39

*Chronic disease after Leishmania mexicana infection depends on IL-5-mediated eosinophilia*

11:15-11:30 Nathan G. F. Leborgne (Mittelhäusern, Switzerland) - O-40

*Neutrophil serine proteases degrade SARS-CoV-2 spike protein and reduce virus replication and inflammation in vivo*

11:30-11:45 Csaba I. Timár (Budapest, Hungary) - O-41

*Proteolytic products accumulating in the blood plasma of severely septic patients impair neutrophil functions*

11:45-12:00 Margarida C. Gomes (London, UK) - O-42

*Training innate immunity in zebrafish using Shigella*

**12:00-12:30 Awards and closing remarks**

**12:30-13:30 Lunch**

## LIST OF POSTERS

- P-01 Almke Bader (Planegg-Martinsried, Germany)**  
THEMIS2, a novel negative regulator of  $\beta 2$  integrins in neutrophils
- P-02 Lili Balogh (Budapest, Hungary)**  
The effect of platelet-specific Syk- or PLC $\gamma$ 2-deficiency on synovial fibroblasts in autoimmune arthritis
- P-03 Leonie Behrens (Amsterdam, The Netherlands)**  
Unravelling the mechanism-of-action of the innate immune checkpoint CD47-SIRP $\alpha$  in neutrophil-mediated tumor cell killing
- P-04 Eduárd Bíró (Debrecen, Hungary)**  
Inflammatory effects of SARS-CoV-2 antigens on different human monocyte-derived macrophage subpopulations
- P-05 Ana Rita Brás (Budapest, Hungary)**  
Role of microglia-endothelial interactions in systemic inflammation-induced vascular and leukocyte responses
- P-06 Florabelle Cabarrubias (Szeged, Hungary)**  
Immunomodulation of peripheral blood mononuclear cell-derived monocytes by candida species
- P-07 Ivan Conejeros (Gießen, Germany)**  
Role of AMPK in *Besnoitia besnoiti* and *Toxoplasma gondii* tachyzoite-induced PMN responses
- P-08 Maria Cruz Cobo (Genève, Switzerland)**  
Effect of calcium signaling enhancers on dendritic cell antigen cross-presentation
- P-09 Domonkos Czárán (Budapest, Hungary)**  
Lacking ARHGAP25 significantly mitigates the severity of contact hypersensitivity in mice
- P-10 Roberta De Matteis (London, United Kingdom)**  
Resolvin T4 enhances macrophage cholesterol efflux to reduce vascular disease

- P-11 | Dorottya Deli (Budapest, Hungary)**  
Analyzing the effect of oral tyrosine kinase inhibitors on basal tyrosine phosphorylation of circulating leukocytes
- P-12 | Gizem Duru (Amsterdam, The Netherlands)**  
Targeting and activating tumor endothelial cells to increase intra-tumoral neutrophil infiltration and the efficacy of cancer immunotherapy
- P-13 | László Fazekas (Budapest, Hungary)**  
Impaired neutrophil granulocyte wound recruitment in PMCA4 deficient Zebrafish
- P-14 | Esteban Gomez Cifuentes (London, United Kingdom)**  
Loss of LGR6 expression as a result of a frameshift mutation alters pro-resolving responses in human phagocytes
- P-15 | Daniella Görög (Budapest, Hungary)**  
Quantification of the phagocytic activity of HoxB8 progenitor-derived neutrophil-like cells by flow cytometry
- P-16 | Adrienn Gyöngyösi (Debrecen, Hungary)**  
TKS4 protein functions in tumor-associated myeloid cells
- P-17 | Dávid Györi (Budapest, Hungary)**  
De novo steroidogenesis in tumor cells drives bone metastasis and osteoclastogenesis
- P-18 | Dominik Hanke (Giessen, Germany)**  
Characterization of extracellular traps induced by *Toxoplasma gondii* tachyzoites in monocytes and macrophages
- P-19 | Márk Havasi (Budapest, Hungary)**  
Characterisation of CRISPR-edited neutrophil progenitors
- P-20 | Letícia Hudcová (Bratislava, Slovakia)**  
Negative impact of cathelicidin on the vicious cycle of NETs formation
- P-21 | Vincent Jaquet (Genève, Switzerland)**  
Identification of small molecule Piezo1 inhibitors

- P-22 | Emiliána Jex (Budapest, Hungary)**  
Respiratory burst and *in vitro* migration of neutrophil-like cells differentiated from CRISPR/Cas9 modified conditionally immortalized myeloid progenitors
- P-23 | Nastassia Kabankova (Essen, Germany)**  
HoxB8 Cells as a Tool for Investigating Granulopoiesis during Cancer Progression
- P-24 | Petra Koncz (Budapest, Hungary)**  
Investigating the role of tyrosine kinase pathways in experimental autoimmune skin blistering
- P-25 | Nedim Kozarac (Mittelhäusern, Switzerland)**  
Neutrophil serine proteases reduce SARS-CoV-2 entry *in vitro* by degrading the spike protein prior to cell attachment
- P-26 | Lukács Lesinszki (Budapest, Hungary)**  
Myeloid Src-family kinases mediate crescentic glomerulonephritis
- P-27 | Ákos Lőrincz (Budapest, Hungary)**  
Neutrophil EVs modulate the viability of leukocytes and modulate the inflammation
- P-28 | Nóra Majerhoffer (Budapest, Hungary)**  
The effect of synovial fibroblast-specific Syk deletion in a chronic polyarthritis model in mice
- P-29 | Yevheniia Minchuk (Bonn, Germany)**  
Heterogeneity in Kupffer cell-mediated killing of *S. aureus*
- P-30 | Veronika Miskolci (Newark, United States)**  
Immuno-responsive gene 1 supports collagen remodeling following sterile injury
- P-31 | Venceslas Ngounou (Budapest, Hungary)**  
Cell shape dynamics of phagocytes during phagocytosis
- P-32 | Zsuzsanna Papp (Budapest, Hungary)**  
Investigating the role of  $\beta$ 2-integrins in *in vitro* and *in vivo* inflammatory reactions

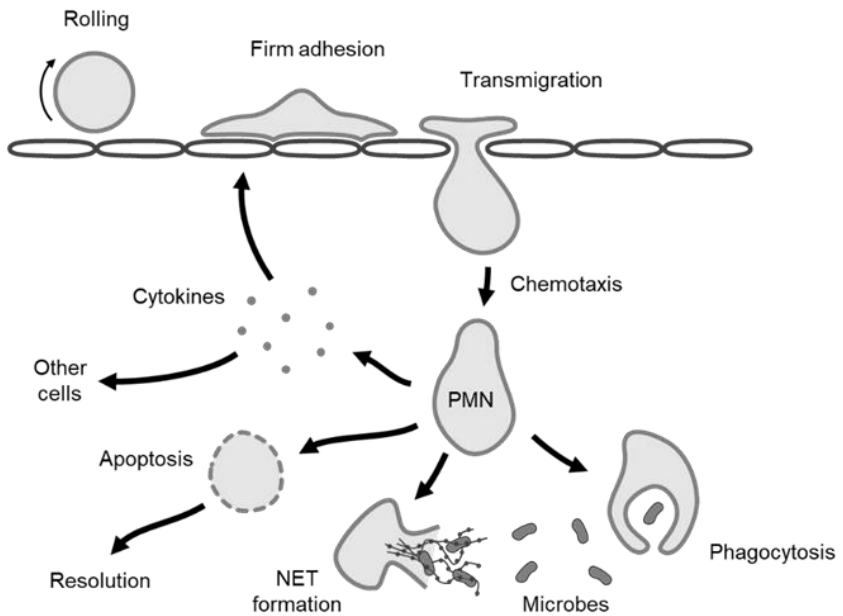
- P-33 Csaba Papp (Szeged, Hungary)**  
New BSL-2 *in vivo* facility at Department of Microbiology at University of Szeged for infectious biology
- P-34 Kitti Pázmándi (Debrecen, Hungary)**  
Homotypic cell-cell interactions through SLAMF receptors facilitate the type I interferon production in human plasmacytoid dendritic cells (pDCs)
- P-35 Annamaria Pedoto (Murcia, Spain)**  
The dynamic interplay between neutrophil and macrophage in a zebrafish model of COVID-19-associated cytokine storm syndrome
- P-36 Tímea Pintér (Budapest, Hungary)**  
Investigation of signaling during phagocytic activity of neutrophils derived from reversibly immortalized progenitors
- P-37 Caroline Pumpe (Edinburgh, United Kingdom)**  
Modulation of Neutrophilic Inflammation in Rheumatoid Arthritis by Altered Antibody Glycosylation
- P-38 Camille Rabesahala de Meritens (Genève, Switzerland)**  
Stim1/2 genetic ablation impairs PLC-dependent Ca<sup>2+</sup> signals and neutrophil spreading
- P-39 Luca Sándor (Budapest, Hungary)**  
Genetic deficiency of Syk in platelets promotes solid tumor metastasis
- P-40 Péter Sasvári (Budapest, Hungary)**  
The paradoxical effect of ARHGAP25 in imiquimod-induced mouse psoriasis model
- P-41 Céline Sewnath (Amsterdam, The Netherlands)**  
Neutrophil-mediated tumor cell killing induces uptake of antigens and dendritic cell maturation
- P-42 Fleur van Oosterom (Amsterdam, The Netherlands)**  
Culturing human CD34+ Hematopoietic Stem Cells into mature neutrophils: details matter

**P-43 Simon Vikár (Budapest, Hungary)**

Inhibition of the classical complement activation pathway blocks skin separation in a granulocyte-mediated human ex vivo model of bullous pemphigoid

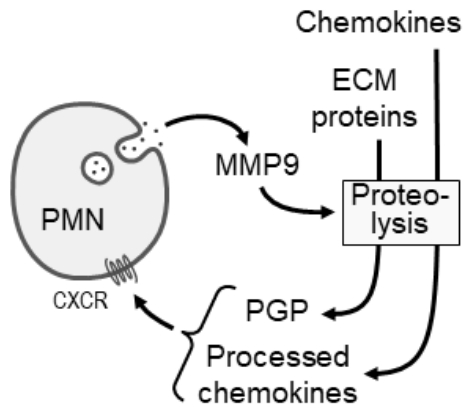
**POSTER EVALUATION COMMITTEE**

The poster evaluation committee consists of Sonja Vermeren (Edinburgh, UK; committee chair) and all invited speakers.



## EFIS-EJI TRAVEL GRANT RECIPIENTS

Benedict Boateng Antuamwine (Essen, Germany)  
Almke Bader (Munich, Germany)  
Leonie Behrens (Amsterdam, The Netherlands)  
María Cruz Cobo (Nyon, Switzerland)  
Julia Jeanette Dielesen (London, UK)  
Sabino Garra (Bari, Italy)  
Beata Goldyn (Bonn, Germany)  
Dominik Hanke (Giessen, Germany)  
Nedim Kozarac (Bern, Switzerland)  
Camille Rabesahala de Meritens (Geneva, Switzerland)  
Antonio Joaquin Monera Girona (Murcia, Spain)  
Matteo Napoli (Munich, Germany)  
Valeria Oliva (Geneva, Switzerland)  
Collins Osei-Sarpong (Münster, Germany)  
Resul Ozbilgic (Montpellier, France)  
Annamaria Pedoto (Murcia, Spain)  
Abhinandan Deva Prasad (Oxford, UK)  
Caroline Pumpe (Edinburgh, UK)  
Loïc Rolas (London, UK)  
Celine Sewnath (Amsterdam, The Netherlands)



## VENUE & LOCATION

Visegrád is a small picturesque town located at the bank of the Danube, approximately 40 kilometers north from the capital Budapest in the spectacular region called the Danube Bend. With the hills in the back and the river in the front, Visegrád has always been an important place in Hungarian history, also thanks to its beautiful castle from the 13<sup>th</sup> century. The meeting will be held at Hotel Visegrád, which is located in the centre of the town and close to the Danube, and which has great conference and hotel facilities.



[www.hotelvisegrad.hu](http://www.hotelvisegrad.hu)

Address: 2025 Visegrád, Rév utca 15.  
Phone: +36 26 397 034

## TECHNICAL ORGANIZER

Diamond Congress Ltd.  
[www.diamond-congress.hu](http://www.diamond-congress.hu)



## SOCIAL EVENTS

### **Poster Dinner** (Thursday, March 21)

Join us for an exciting evening with outstanding scientific discussions around the posters while enjoying a delicious meal in the same conference hall. The two parallel events will give the opportunity to have informal poster presentations and scientific exchanges, networking and socializing with colleagues, while enjoying some culinary pleasures of Hungary.

### **Social event in the Solomon Tower followed by a dinner in the Renaissance Restaurant in Visegrád** (Friday, March 22)

Enjoy a friendly and memorable social event with a nice medieval atmosphere in the Solomon Tower in Visegrád, where numerous surprises are waiting for the participants. This event will be followed by a delicious dinner with wines, served by waiters /waitresses dressed in medieval clothes in the Renaissance Restaurant in Visegrád.



[www.renvisegrad.hu](http://www.renvisegrad.hu)



[www.visitvisegrad.hu](http://www.visitvisegrad.hu)

## CO-ORGANIZERS AND SPONSORS



Semmelweis University is a leading institution of higher education in Hungary and the Central European region within the area of medicine and health sciences. With its more than 250 years of tradition, Semmelweis University is an internationally renowned centre of knowledge, built on the integration of education, research and healthcare. The institution is ranked among the top 250 universities in the world and among the bests in Europe. In addition to teaching, Semmelweis University is the largest provider of healthcare services in Hungary. Website: [semmelweis.hu](http://semmelweis.hu)

---



The Hungarian Center of Excellence for Molecular Medicine (HCEMM) is a research institution working at the interface of academic and industrial research on topics related to Translational Medicine. Its laboratories are primarily distributed across Budapest and Szeged. HCEMM aims to develop advanced diagnostic and treatment options for healthy ageing through novel applications in the field of Molecular Medicine. Website: [hcemm.eu](http://hcemm.eu)

---



The European Federation of Immunological Societies (EFIS) is a non-profit umbrella organization of 35 European immunology societies, representing nearly 14,000 individual researchers and clinicians working in immunology and allergology. EFIS supports immunology research and education, and strengthens scientific interaction amongst its members. EFIS activities include organization of scientific meetings and giving out special awards, fellowships and travel grants. The European Journal of Immunology is an official journal of EFIS. Website: [efis.org](http://efis.org)

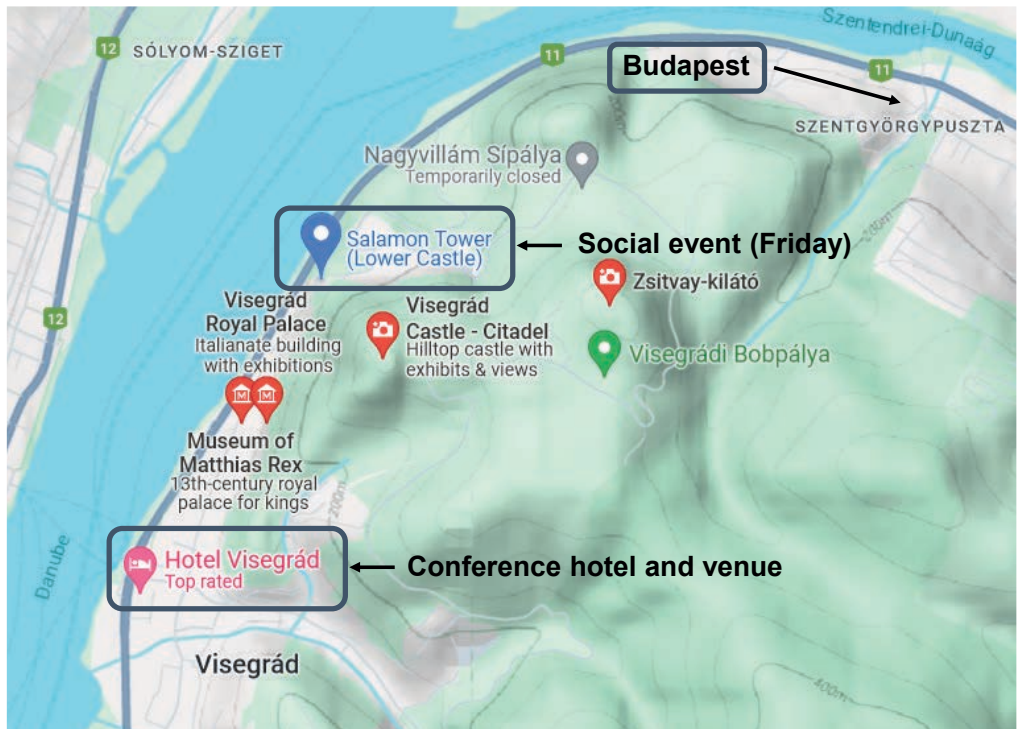
---



Source of schematic drawings: Mócsai, J Exp Med 2013; Enyedi and Niethammer, Trends Cell Biol 2015; Németh and Mócsai, Trends Immunol 2016

# European Phagocyte Workshop

March 20 - 23, 2024 | Visegrád, Hungary



Google Maps



**SEMMELWEIS**  
UNIVERSITY 1769

**EXCELLENCE IN MEDICAL EDUCATION,  
RESEARCH & INNOVATION  
AND HEALTHCARE.**



**DISCOVER MORE ABOUT US!**

 [semmelweis.hu](http://semmelweis.hu)

 Facebook: [semmelweisuniversity](https://www.facebook.com/semmelweisuniversity) |  Instagram: [semmelweis\\_egyetem](https://www.instagram.com/semmelweis_egyetem)

 YouTube: [semmelweisuniversity](https://www.youtube.com/semmelweisuniversity)