

44TH

EUROPEAN WORKSHOP FOR RHEUMATOLOGY RESEARCH 2025



European Workshop for Rheumatology Research



8-10 May, 2025
Budapest, Hungary

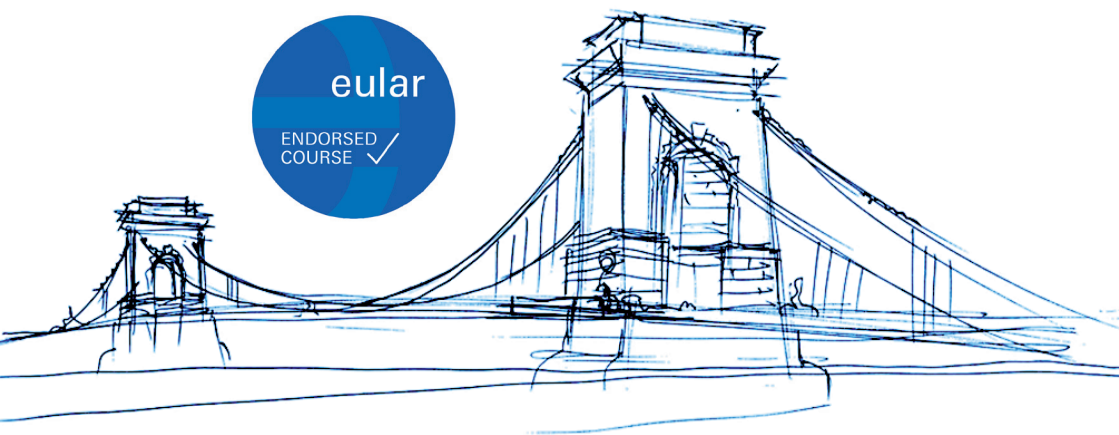
PROGRAM

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PROGRAM

DEAR FRIENDS, DEAR COLLEAGUES,

We are very pleased that in 2025, the next, 44th chapter of the European Workshop for Rheumatology Research (EWRR) is organized again, ten years after our successful meeting in 2015, in the beautiful city of Budapest, Hungary.

The EWRR has been considered Europe's premier meeting for basic and translational research in the field of rheumatic and musculoskeletal diseases (RMDs). Its primary aim is to attract young scientists and to give them the opportunity to present their work in an informal and interactive environment.

The series of EWRR started in 1981 and it still provides up-to-date information of basic mechanisms and advanced treatment of RMDs.

Our programme will contain nine major scientific sessions and six keynote lectures. The 27 state-of-the-art lectures and the keynotes will be delivered by some of the most renowned international researchers both inside and outside the field of rheumatology. Moreover, the programme will include short oral presentations of the most outstanding abstracts, as well as guided poster tours.

During the three event-packed days of EWRR 2025, there will be sufficient time for learning, as well as scientific and social networking.

EULAR has long been a supporter of the workshop by providing a number of bursaries. In addition, some EULAR Study Group meetings take place prior to the EWRR.

Finally, we thank pharmaceutical companies for offering an unconditioned support in order to keep organising fees relatively low. This would help young researchers, fellows and students to actively participate in EWRR 2025.

Welcome to our beautiful capital, Budapest!

Congress President



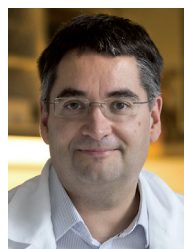
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University of
Debrecen

Congress Co-President



Prof. Dr. György Nagy
Semmelweis University,
Budapest

Local Scientific Committee Chair



Prof. Dr. Attila Mócsai
Semmelweis University,
Budapest

Congress chair

Zoltán Szekanecz, Debrecen, HU

Congress co-chair

György Nagy, Budapest, HU

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May 08, 2025. (Thursday)

10:00	REGISTRATION OPEN
11.30-13.30	PRE-CONGRESS STUDY GROUP SESSIONS
13.30-14.00	<i>COFFEE BREAK</i>
14.00-14.30	WELCOME AND OPENING REMARKS
14.30-15.15	KEYNOTE I.
15.15-16.45	SESSION 1: JOURNEY INSIDE THE CELL
16.45-17.15	<i>COFFEE BREAK & POSTER VIEWING</i>
17.15-18.00	KEYNOTE II.
19.00	<i>WELCOME RECEPTION</i>

May 09, 2025. (Friday)

06.50	RUNNING ON MARGARET ISLAND
08.30-10.00	SESSION 2: CELLS IN ACTION
10.00-10.30	<i>COFFEE BREAK & POSTER VIEWING</i>
10.30-12.00	SESSION 3: THIS HURTS SO MUCH
12.00-13.30	<i>LUNCH & POSTER SESSION I. (Poster tours 1-6)</i>
12.00-13.30	INTERNATIONAL ADVISORY BOARD MEETING
13.30-14.15	KEYNOTE III.
14.15-15.45	SESSION 4: TISSUE FIBROSIS AND BEYOND
15.45-16.15	<i>COFFEE BREAK & POSTER VIEWING</i>
16.15-17.45	SESSION 5: INJURED TISSUES
17.45-18.30	KEYNOTE IV.
19.00	<i>FAST FOOD DINNER</i>

May 10, 2025. (Saturday)

08.30-10.00	SESSION 6: TO SELF OR NOT TO SELF
10.00-10.30	<i>COFFEE BREAK & POSTER VIEWING</i>
10.30-12.00	SESSION 7: AUTOINFLAMMATION ATTACKS
12.00-13.30	<i>LUNCH & POSTER SESSION II. (Poster tours 7-12)</i>
13.30-14.15	KEYNOTE V.
14.15-15.45	SESSION 8: BURNING VESSELS
15.45-16.15	<i>COFFEE BREAK & POSTER VIEWING</i>
16-15-17.45	SESSION 9: e-RHEUMATOLOGY
17.45-18.30	KEYNOTE VI.
18.30-18.45	CLOSING REMARKS, AWARDS & A GLIMPSE OF LÜBECK, 2026
18.45	POSTER REMOVAL
20.00	<i>FAREWELL DINNER</i>

Thursday, May 8, 2025

10:00	REGISTRATION OPEN
11:30-13:30	PRE-CONGRESS STUDY GROUP SESSIONS
13:30-14:00	Coffee Break
14:00	WELCOME AND OPENING REMARKS <i>Chairs: György Nagy, Attila Mócsai</i> Welcoming words Zoltán Szekanecz Greetings from the EULAR President Daniel Aletaha Greetings from the EULAR President-elect Xenofon Baraliakos Greetings from the President of HAR Péter V. Bálint
14:30-15:15	KEYNOTE I <i>Chairs: Marije Koenders, Pierre Miossec</i> Pain, plasticity, and peripheral nerves in osteoarthritis Anne-Marie Malfait (Chicago, USA)
15:15-16:45	SESSION 1: JOURNEY INSIDE THE CELL <i>Chairs: Attila Mócsai, Andy Cope</i> 15:15-15:35 Neutrophils in autoimmune inflammation: lessons from researchers to clinicians Tamás Németh (Budapest, HU) 15:35-15:55 Inside the joint of rheumatoid and psoriatic arthritis Ursula Fearon (Dublin, IR) 15:55-16:15 Immunometabolism: pathways to pathogenesis and treatment of rheumatic diseases András Perl (Syracuse, USA)

16:15-16:25	ORAL PRESENTATIONS Elevated pSTAT3 in circulating naïve CD4+ T cells discriminates immune checkpoint inhibitor-induced inflammatory arthritis from other immune related adverse events, mirroring rheumatoid arthritis Kristian C. Williams <i>(Newcastle, UK)</i>
16:25-16:35	Type I interferons drive immunosenescence of naïve CD4+ T-cells via metabolic reprogramming in Sjögren´s disease Pavlina Javorova <i>(Graz, AT)</i>
16:35-16:45	1,25(OH)2D3 remodels cell metabolism and signaling pathways to drive human Th17 cells toward “Treg-like” cells Yi He <i>(Rotterdam, NL)</i>
16:45-17:15	Coffee Break & Poster Viewing
17:15-18:00	KEYNOTE II <i>Chairs: László Kovács, Gyula Poór</i> Necrophagy, coprophagy, DaNGeRous indigestion and (auto)immunity to cancer Caetano Reis e Sousa <i>(London, UK)</i>
19:00	Welcome reception

Friday, May 9, 2025

06:50	RUNNING ON MARGARET ISLAND
08:30-10:00	SESSION 2: CELLS IN ACTION <i>Chairs: Frederique Ponchel, Constantino Pitzalis</i>
08:30-08:50	What do T cells see in the inflamed RA synovial joint? Andy Cope <i>(London, UK)</i>
08:50-09:10	The cellular basis of inflammation location Chris Buckley <i>(Oxford, UK)</i>
09:10-09:30	Navigating identity: the role of location in synovial fibroblast function and gene expression Caroline Ospelt <i>(Zürich, CH)</i>
	ORAL PRESENTATIONS
09:30-09:40	Single-cell transcriptomics with paired spatial proteomics of synovial tissue in disease remission reveal CD8 T-cell populations as predictors of flare in the BIO-FLARE study Luke Joseph Jones <i>(Birmingham, UK)</i>
09:40-09:50	The synovial cytokine environment orchestrates fibroblast-like synoviocyte-immune cell cross-talk shaping immune cell activation and synovial pathotype formation in rheumatoid arthritis Mirjam Dellinger <i>(Vienna, AT)</i>
09:50-10:00	Synovial tissue single-cell and flow cytometric analysis identifies distinct fibroblast populations with differential functional capacity in rheumatoid and psoriatic arthritis pathotypes Órla Tynan <i>(Dublin, IRL)</i>
10:00-10:30	Coffee Break & Poster Viewing

10:30-12:00	SESSION 3: THIS HURTS SO MUCH <i>Chairs: Leonie Taams, Diane van der Woude</i>
10:30-10:50	Decoding the hidden crosstalk between neurons and neutrophils in arthritis pain Camilla Svensson <i>(Stockholm, SE)</i>
10:50-11:10	Pain in the arthritic brain Neil Basu <i>(Glasgow, UK)</i>
11:10-11:30	Tendons – forgotten component of the articular complex? Iain McInnes <i>(Glasgow, UK)</i>
	ORAL PRESENTATIONS
11:30-11:40	Influence of gut bacteria derived indoles on residual chronic pain in rheumatoid arthritis Leona Ehnes <i>(Erlangen, GE)</i>
11:40-11:50	Comprehensive analysis reveals different brain connectivity patterns and neuroinflammatory processes in the background of difficult-to-treat rheumatoid arthritis Lilla Gunkl-Tóth <i>(Pécs, HU)</i>
11:50-12:00	Fibroblasts as key drivers of persistent pain in inflammatory arthritis Rosie Ross <i>(London, UK)</i>
12:00-13:30	Lunch & Poster session I (Poster tours 1-6)
12:00-13:30	International Advisory Board Meeting

13:30-14:15	KEYNOTE III <i>Chairs: Emőke Stenova, György Nagy</i> Biomedical „treasures“ in nature’s „trashbags“ Edit Buzás <i>(Budapest, HU)</i>
14:15-15:45	SESSION 4: TISSUE FIBROSIS AND BEYOND <i>Chairs: Ulf Müller-Ladner, László Czirják</i>
14:15-14:35	Toward effective fibrosis control: novel pathways and targets John Varga <i>(Ann Arbor, USA)</i>
14:35-14:55	Unveiling fibrosis in systemic sclerosis by imaging techniques Marco Matucci-Cerinic <i>(Milano, IT)</i>
14:55-15:15	Time to prevent SSc? Insight from molecular phenotyping of pre-SSc Oliver Distler <i>(Zürich, CH)</i>
	ORAL PRESENTATIONS
15:15-15:25	A single-cell atlas of aged murine synovial joint reveals macrophage deficits contributing to tissue fibrosis Oliver Bortolotti <i>(Montpellier, FR)</i>
15:25-15:35	Therapeutic synovial tissue reset through a targeted fibroblast depletion strategy Sam Kemble <i>(Birmingham, UK)</i>
15:35-15:45	Increased profibrotic M2 phenotype expression in cultured monocyte-derived macrophages obtained from peripheral blood of systemic sclerosis patients affected by progressive vs non progressive ILD Stefano Soldano <i>(Genova, IT)</i>
15:45-16:15	Coffee Break & Poster Viewing

16:15-17:45	SESSION 5: INJURED TISSUES <i>Chairs: Xenofon Baraliakos, Joao Fonseca</i>
16:15-16:35	Targeting cartilage-mediated mesenchymal tissue imprinting in rheumatoid arthritis Thomas Pap <i>(Münster, DE)</i>
16:35-16:55	Histone modifications in cartilage health and disease - the D0T1L director's cut Rik Lories <i>(Leuven, BE)</i>
16:55-17:15	Joints under stress: how loading attenuates joint inflammation Dirk Elewaut <i>(Ghent, BE)</i>
	ORAL PRESENTATIONS
17:15-17:25	Integrin $\alpha 11\beta 1$ mediates cartilage and bone destruction via fibroblast-like synoviocytes in arthritis Alina Reese <i>(Münster, GE)</i>
17:25-17:35	Transglutaminase-catalyzed depots of novel anti-myostatin peptides as an innovative therapeutic strategy for arthritis Denise Beckman <i>(Münster, GE)</i>
17:35-17:45	Extracellular matrix degradation-driven accumulation of cytotoxic Vδ1 T-cells in Modic type 1 changes Jan Devan <i>(Zürich, CH)</i>
17:45-18:30	KEYNOTE IV <i>Chairs: Gábor Kumánovics, Christian Jörgensen</i> A glimpse into the future of (network) medicine Jörg Menche <i>(Vienna, AT)</i>
19:00	Fast food dinner

Saturday, May 10, 2025

08:30-10:00	SESSION 6: TO SELF OR NOT TO SELF <i>Chairs: Vivianne Malmström, René Toes</i>
08:30-08:50	CARs and Engagers-New methods to treat autoimmune disease Georg Schett <i>(Erlangen, DE)</i>
08:50-09:10	Towards selective ablation of roadblocks to the regeneration of tolerance Andreas Radbruch <i>(Berlin, DE)</i>
09:10-09:30	Autoimmune disease - one-way ticket or return journey? John Isaacs <i>(Newcastle, UK)</i>
09:30-09:40	ORAL PRESENTATIONS Plasma proteomic analysis reveals type I interferon blockade effects of anifrolumab in lupus nephritis: insights from a phase 2 trial Catharina Lindholm <i>(Baltimore, USA)</i>
09:40-09:50	Type 2 innate lymphoid cells drive rheumatoid arthritis progression through activation of fibroblast-like synoviocytes Miriam Bollmann <i>(Gothenburg, SWE)</i>
09:50-10:00	CD4+ TRAIL+ T cells with interferon-stimulated gene signature differentially restrict anti-nuclear antigen responses in Sjögren's and systemic sclerosis Theodoros Ioannis Papadimitriou <i>(Nijmegen, NL)</i>
10:00-10:30	Coffee Break & Poster Viewing

10:30-12:00	SESSION 7: AUTOINFLAMMATION ATTACKS <i>Chairs: Szilvia Szamosi, Günter Steiner</i>
10:30-10:50	Autoinflammatory disease – what have we learned about pathogenesis Polly Ferguson <i>(Iowa City, USA)</i>
10:50-11:10	Hematoinflammatory diseases in for rheumatologist Sinisa Savic <i>(Leeds, UK)</i>
11:10-11:30	Mechanisms of pyrogenic IL-1β secretion – new insights into a longstanding question Mohamed Lamkanfi <i>(Ghent, BE)</i>
	ORAL PRESENTATIONS
11:30-11:40	Lymph node neutrophils in inflammatory arthritis: the missing link between innate and adaptive autoimmunity? Nia Hudson <i>(Amsterdam, NL)</i>
11:40-11:50	Neutrophil extracellular traps from rheumatoid arthritis patients trigger a pro-inflammatory response in monocytes through mechanisms involving reactive oxygen species and mitochondrial respiration, but not glycolysis Patrice Decker <i>(Bobigny, FR)</i>
11:50-12:00	The effect of Syk inhibition on inflammatory processes induced by monosodium urate crystals Krisztina Futosi <i>(Budapest, HU)</i>
12:00-13:30	Lunch & Poster session II (Poster tours 7-12)

13:30-14:15	KEYNOTE V <i>Chairs: Niek de Vries, Jiri Vencovsky</i> Issues with tissues: heritable connective tissue disorders and Ehlers-Danlos syndromes anno 2025 Fransiska Malfait <i>(Ghent, BE)</i>
14:15-15:45	SESSION 8: BURNING VESSELS <i>Chairs: Zelmira Macejova, Maurizio Cutolo</i>
14:15-14:35	Angiogenesis and vasculitis: what's fueling the fire? Sander Tas <i>(Amsterdam, NL)</i>
14:35-14:55	Stromal cells in GCA Cosimo De Bari <i>(Edinburgh, UK)</i>
14:55-15:15	Humoral responses in atherosclerosis: friend or foe? Javier Rodriguez Carrio <i>(Oviedo, ES)</i>
15:15-15:25	ORAL PRESENTATIONS Dysregulated endothelial cell phenotype and function in response to PsA and RA joint microenvironments Aenea Brugman <i>(Dublin, IRL)</i>
15:25-15:35	Patient-specific cardiac microtissues reveal enhanced endothelial networks in chronic inflammatory diseases: insights into cardiovascular complications Julia Wierzbicka <i>(Cracow, PL)</i>
15:35-15:45	Characterization of the role of lymphatics in autoimmune arthritis Eva Kemecsei <i>(Budapest, HU)</i>
15:45-16:15	Coffee break & Poster Viewing

16:15-17:45	SESSION 9: e-RHEUMATOLOGY <i>Chairs: Gabriella Szűcs, Peter Mandl</i>
16:15-16:35	Remote (multimodal) patient monitoring in arthritis: green light for digital biomarkers? Thomas Hügler <i>(Lausanne, CH)</i>
16:35-16:55	From clicks to clinics: AI-driven transformation of rheumatic disease diagnostics across the care spectrum Rachel Knevel <i>(Leiden, NE)</i>
16:55-17:15	Natural language processing and large language models in rheumatology: from clinical notes to precision medicine Vincenzo Venerito <i>(Bari, IT)</i>
	ORAL PRESENTATIONS
17:15-17:25	Deep learning-based histological analysis of synovial fibroblasts in treatment-naïve rheumatoid arthritis patient biopsies Federico Abatecola <i>(London, UK)</i>
17:25-17:35	Predicting difficult-to-treat rheumatoid arthritis using machine learning models Jiří Baloun <i>(Prague, CZ)</i>
17:35-17:45	Is ultrasound a good surrogate marker for remission in RA? - Association of ultrasound and histological synovitis in rheumatoid arthritis patients in sustained clinical remission Joaquim Polido Pereira <i>(Lisbon, POR)</i>

17:45-18:30	KEYNOTE VI <i>Chairs: Peter V Balint, Ladislav Senolt</i> What does the Higgs particle tell us about the Universe? Zoltán Trócsányi <i>(Budapest, HU)</i>
18:30–18:45	CLOSING REMARKS, AWARDS & A GLIMPSE OF LÜBECK, 2026 <i>Chairs: Zoltán Szekanecz, György Nagy</i>
18:45	Poster Removal
20:00	Farewell dinner

Pre-congress study groups

Thursday, May 8, 2025

11:30-13:30	STUDY GROUP SESSIONS
11:30-13:30	ECFSG <i>Chair: Johan Rönnelid</i>
11:30-13:30	ESSG <i>Chairs: Stefano Alivernini, Antonio Manzo</i>
11:30-13:30	GCTSG <i>Chair: Christian Jörgensen</i>
13:30-14:00	Coffee Break

EULAR Bursaries and Prizes

EULAR supports participation with 50 EULAR grants of 500 EUR each for students and young postdocs under 35 years of age (for young parents +2 years per child) who have submitted an abstract as presenting author. You will be informed if you have been awarded the EULAR bursary together with your abstract acceptance notification letter.

Prizes for 3-3 best oral communications and posters will be recognized during the final ceremony.

Information for Presenters

Invited speakers have 20 minutes to share their results (including Q&A).

Duration of Oral Presentations: 10 minutes lecture (including Q&A).

All presenters are kindly requested to check and hand in their presentation at the Technicians' desks at least 1 hour prior to the lecture sessions.

Chairs of the sessions are kindly asked to introduce the invited speakers to the audience at the beginning of each sessions and also to pay attention not to exceed the time frame of the sessions. Chairs are asked to initiate discussion/debate at the end of the sessions.

Oral Presentations

Participants presenting oral sessions are requested to bring their presentation on a pendrive or laptop and arrive at the slide center room at least one hour before the session is to begin.

Posters Tours

All posters will be presented and discussed with the chair and participants during the Poster Tours.

Poster presentations are maximum 4 minutes long, including discussion. Chairs are kindly asked to ensure this time limit is strictly observed.

All posters must have maximum dimensions of 95cm x 120cm vertical orientation. (The height of the poster stands is 2 meters, allowing for taller posters, but the maximum width is 95 cm.)

Please note that poster boards will be set up in a dedicated area of the workshop venue and must remain up throughout the workshop, so that participants will be able to view them at their convenience.

CME Credits

The event has been accredited for 18 CME points.

VENUE

Park Inn by Radisson Budapest

Address: H-1138 Budapest, Szekszárdi street 16-18.

OFFICIAL LANGUAGE

The official language of the Congress is English.

REGISTRATION OPENING HOURS AT THE VENUE

8th May	10:00-18:00
9th May	08:00-18:30
10th May	08:00-18:45

Phone (only available on 8-10.May, 2025): +36309774007

ON-SITE REGISTRATION FEES

On-site fee 530 €

Registration fee for all participants includes:

- Admission to the scientific sessions
- Buffet lunch in Park Inn Radisson by Budapest (the congress venue) on May 9th and 10th.
- Coffee breaks according to the programme
- Welcome reception on May 8th
- Fast food dinner on May 9th
- Certificate of attendance

Due to Hungarian regulations registration fees include 27% VAT.

In accordance with the Hungarian tax regulations, invoices will show the full registration fees divided into registration costs and catering costs (190 EUR).

Accommodation and the farewell dinner are not included in the registration fee.

PROCEDURE OF THE REGISTRATION

- you may pick up the congress materials (badge, tickets, congress bag - including program book, and other leaflets) at the Registration Office in opening hours
- you should sign the list of attendance at the Registration Office
- you can settle your debt, or apply for facultative social programs by paying in cash or via credit card
- after the congress please send back your virtual evaluation forms to claim credits, evaluation forms will be sent out by email (Certificate of Attendance)

SOCIAL EVENTS

WELCOME RECEPTION

19.00 Thursday, May 8th, 2025

All Participants are invited to attend the Welcome Reception in the Park Inn Hotel's restaurant (at the congress venue).

Included in the registration fee.

FAST FOOD DINNER

From 19.00 Friday, May 9th, 2025

A Grund (H-Budapest, 1082, Nagy Templom street 30)

Meet at the Park Inn Hotel's reception at 19.00. Shuttle buses will depart from here to A Grund, where a fast food dinner will be served. The last bus to dinner departs at 20:00.

Included in the registration fee.

The buses will depart every 30 minutes back to the Park Inn Hotel starting from 22:00. The last bus leaves at midnight.

FAREWELL DINNER

20.00 Saturday, May 10th, 2025

Sir Lancelot medieval restaurant (H-Budapest, 1065, Podmaniczky street 14)

Meet at the Park Inn Hotel's reception at 20.00. Shuttle buses will depart from here to Sir Lancelot.

40EUR / person

At the end of the dinner, buses will start returning to the Park Inn Hotel from around 23:00.

LUNCH

May 9-10th, 2025, Park Inn Hotel

Buffet lunch in the Park Inn Hotel's restaurant (at the congress venue).

Included in the registration fee.

COFFEE BREAK

May 8-10th, 2024, Park Inn Hotel

Coffee Breaks will take place next to the poster exhibition.

RUNNING ON MARGARET ISLAND

06.50 Friday, May 9th, 2025

Shuttle buses will start from the venue (Park Inn by Radisson Budapest) at 06.50. Buses will arrive at Margaret Island at around 07.10.

After a short warm-up, the run begins. The length of the Margaret Island circuit is 5300m (1/8 marathon). After reaching the finish line - which consists of one lap - we will provide a protein bar and a refreshment as a reward.

After the runners return, buses will take them back to the Hotel.

BADGES

Participants are requested to wear their name badges at all times.

CERTIFICATE OF ATTENDANCE

A certificate of attendance will be sent for all registered participants after the congress by e-mail after the congress office has received the filled evaluation form from the participant.

PAYMENT

Payments should be made in EURO. Any bank charges will be charged to the payer.

In case of bank transfer by your sponsor / workplace please make sure that your name or registration number is forwarded into the payment details while sending payments by bank transfer. If your sponsor uses a block transfer for several participants, it is necessary to include all relevant names or registration numbers.

INVOICE

The invoice was issued on request, based on details provided while registering (Invoicing address). Any change of such details (address, VAT number etc.) was possible only within 3 days from the registering date and is subject to the 10 EUR fee.

CANCELLATION OF CONGRESS PARTICIPATION

In the case that you cancelled your participation at the congress by the 1st March 2025, the registration fee minus a processing fee of 30 EUR was refunded. No refund was made if cancellation was made at a later date. Please note that there will be no refund for cancellations received after the 1st March 2025.

The congress office can accept any cancellations only in written form.

MISCELLANEOUS

No-shows at the congress will be charged the full fee. All refunds will be processed after the congress.

MODIFICATION OF CONGRESS PARTICIPATION

In the case of modification of any of the data of your invoice, it will mean a handling charge of 15 EUR. The congress office can accept any modifications only in written form.

ADVANCED SERVICES

Our organizing office offers meals and catering services in an unmodified form to their customers. The cancellation and penalty conditions are customized to the terms of the service provider.

LIABILITY – INSURANCE

The Organizers of the Congress do not accept any liability for damages and or losses of any kind which may be incurred by congress participants or accompanying persons. Delegates participate at all events at their own risk.

PASSPORTS AND VISAS

Currently valid passport or identity card is required for foreign visitors travelling to Hungary. Although visa requirements may vary from country to country, no visa is needed from almost all European Countries.

ABOUT BUDAPEST

Hungary is situated in the middle of the continent in Central Europe. This country is the birthplace of world-famous inventors, scientists, explorers, composers and sports stars.

Hungarians speak a language and form a culture unlike any other in the region: this distinctiveness has been both a source of pride and an obstacle for more than 1100 years.

As the capital of Hungary, Budapest serves the country's principal political, cultural, commercial, industrial, and transportation center and is considered an important hub in Central Europe. The city is attracting international meeting planners and delegates with its unique heritage and individual, cultural charm, as well as the professionalism of its hotels, convention facilities and visitor amenities.

Budapest — with the majestic Danube in the middle. Buda, with its romantic atmosphere on one side, and Pest, a dynamic cultural center on the other. One would have to be sharp to find another city in the world with such beautiful natural settings, rich architectural and historical heritage, offering an unparalleled combination of culture, fine cuisine and thermal baths.

CLIMATE OF BUDAPEST

During the day, the mercury climbs to a nice average high of 21°C. At night, it drops to a chilly, yet not too cold, 11°C. The temperature in the evening is pleasant enough to go out for a walk or sit outside in one of the terraced restaurants enjoying the beautiful views of Budapest.

CURRENCY

The official currency of Hungary is Hungarian Forint. (sign: Ft; code: HUF) 1 euro is about 400 HUF.

CREDIT CARDS

All major credit cards are normally accepted throughout Hungary and ATMs are widespread.

PHONE CALLS

The country code for international calls to Hungary is +36.

ELECTRICITY & TIME ZONE

220 V

Central European Time (CET)

GETTING TO THE VENUE

parking:

Parking in the hotel's heated underground garage. The parking fee is HUF 3500/night.

by public transport:

There are two ways to get to the hotel from the airport. From the airport, take bus 100E to Kálvin tér, where you change to metro M3 in the direction of Újpest Centre. The other option is to take the 200E bus from the airport, change at the Kőbánya-Kispest stop and take the M3 metro line towards Újpest Centre.

TAXI

We recommend the participants three taxi-companies in Budapest:

- Fő Taxi: +36/1-222-2222
- City Taxi: +36/1-111-1111
- Taxi 2000: +36/1-2000-000

PUBLIC TRANSPORTATION

Budapest has excellent and extensive public network coverage. Tickets and passes are available at vending machines installed in most busy locations – such as the airport – and transport hubs.

For more information please visit the following website: <https://www.bkv.hu/en/>

The EWRR App

You can download the app from Google Store or Apple Store, the name of the app is “**RendezvényApp**”

Once downloaded, you can find a flag icon in the top right corner, where you should select the english language. After that, you need to choose “Access without registration” Here, you have to provide a Username and then you can Login. Press Join event and enter the text “**EWRR2025**”. After that you can Sign in.

At the bottom of the screen, you can easily access the programme, media, venue (location), and your profile. You can access the **menu** in the top left corner.

To receive a **push** notification 5 minutes **before a session** starts, mark the Heart icon in the Programme menu. This will automatically trigger a notification. To view your **favorites**: My Profile → My Favorites.

Abstracts can be found in three places: At the bottom of the relevant section in the program, under the Speakers tab: Each speaker's own abstract(s) and under the Presentations tab.

You can **open the abstracts** by clicking on the folder icon under the name of the abstract.

General Information: Top right: “i” icon, or top left menu → Informations

Participants will receive a push notification when new information is available.

May 9, Friday, 12.00-13.30

Poster tour 1: CELL SIGNALLING

Chairs: Attila Mócsai, András Perl

P1.01 (P001): Resolution of Pro-Inflammatory Responses in Primary Synovial Fibroblasts and Synovial Explant Cultures by Dimethyl Fumarate

Brugman, A. Anton, D., Marzaioli, V., McCabe, E., Orr, C., Veale, DJ., & Fearon, U.
(*Dublin, IRL*)

P1.02 (P002): Time-resolved immune dynamics in rheumatoid arthritis under methotrexate therapy

Teresa Preglej, Anela Tosevska, Marie Brinkmann, Philipp Schatzlmaier, Elisabeth Simader, Daniela Sieghart, Philipp Hofer, Thomas Krausgruber, Lina Dobnikar, Christoph Bock, Thomas Karonitsch¹, Renate Kain, Hannes Stockinger, Wilfried Ellmeier, Daniel Aletaha, Lisa Göschl, Michael Bonelli
(*Vienna, AT*)

P1.03 (P003): Distinct metabolic characteristics and signaling pathways in gluten-specific CD4+ T cells in celiac disease

Eivind G. Lund, Maria J Diekmann, Stephanie Zühlke, Omri Snir, Jørgen Jahnsen, Knut E. A. Lundin, Asbjørn Christophersen and Ludvig M. Sollid
(*Oslo, NO*)

P1.04 (P004): Lymphocytic infiltration alters tissue composition and cell-cell signalling in salivary glands of patients suffering from Sjögren's disease

Barbara Dreo, Nathaly Anto Michel, Josef Hermann, Jens Thiel, Andreas Zirlik, Martin Stradner, Johannes Fessler
(*Graz, AT*)

P1.05 (P005): Neutrophils regulate immune complex-mediated arthritis via dectin-2

Barbora Valentova, Viola Stögner, Lili Balogh, Eszter Káposztás, Neva Berchtold, Marije Koenders, Attila Mócsai, Daniel Aletaha, Stephan Blüml, Tamás Németh, Silvia Hayer
(*Vienna, AT*)

P1.06 (P006): Protein profiling to identify inflammatory markers associated with fertility in RA, an exploratory study

B. van Heeswijk, L.F. Perez-Garcia, E. Lubberts, R.J.E.M. Dolhain
(*Rotterdam, NL*)

P1.07 (P007): Molecular control of regulatory T cells by nuclear factor interleukin-3 regulated

Bianca Luckerbauer, Anela Tosevska, Melanie Acosta, Marie Brinkmann, Mirjam Dellinger, Lena Müller, Daniel Aletaha, Teresa Preglej, Leonhard X. Heinz and Michael Bonelli
 (Vienna, AT)

P1.08 (P008): Investigation of JAK-STAT signaling pathway in rheumatoid arthritis: An in vitro experimental model

Dora Nemeth, Lilla Gunkl-Toth, Tamas Nemeth, Gabor Turu, Panna Kiralyhidi, David Nagy, Gyorgy Nagy
 (Budapest, HU)

P1.09 (P009): Systematic imaging-based characterization of IRF5 signaling in health and rheumatic autoimmune diseases

Felix Kartnig, Elisabeth Simader, Daniela Sieghart, Daniel Mrak, Daniel Aletaha, Leonhard X Heinz
 (Vienna, AT)

P1.10 (P010): Small molecule NF- κ B inhibitors affect the survival and differentiation of memory B cells into plasma cells and the expansion of rheumatoid arthritis ACPA-positive memory B cells in vitro

G. Frazzei, A. Merino Vico, J. Christiaans, J.P. van Hamburg, R.F. van Vollenhoven, S.W. Tas
 (Amsterdam, NL)

P1.11 (P011): “PD-1 Pathway in Rheumatoid Arthritis: Applying the brakes on synovial inflammation”

Hannah Costello, Aoife O'Rourke, Carl Orr, Douglas Veale, Ursula Fearon and Mary
 (Dublin, IRL)

P1.12 (P012): The effect of Interleukin 36 β in patients in remission and active rheumatoid arthritis

Marie Kümmel, Mona Arnold Gräf, Selina Ohl, Klaus Frommer, Nils Schulz, Stefan Rehart, Ulf Müller Ladner, Elena Neumann
 (Bad Nauheim, DE)

P1.13 (P013): Impaired stemness capacity of lymph node stromal cells in rheumatoid arthritis

M. Jiménez-Martínez, T.A. de Jong, M. Houtman, J.F. Semmelink, M.G.H. van de Sande, W. Dankers, L.G.M. van Baarsen
 (Amsterdam, NL)

- P1.14 (P014): The role of IL-17RD in regulating TNF and IL-1 induced NF- κ B pathways in synovial fibroblasts and its impact on the development of collagen-induced arthritis**
 Sara Parsa, Nadine Davelaar, Adriana M.C. Mus, Dominique L.P. Baeten, Erik Lubberts
(Rotterdam, NL)
- P1.15 (P015): The soluble immune checkpoint molecules PD1 and 4-1BB are associated with CTLA-4Ig treatment response in early rheumatoid arthritis**
Tilia Selldén, Kristina Lend, Jon Lampa, Merete Lund Hetland, Mikkel Østergaard, Tillmann Uhlig, Dan Nordström, Kim Hørslev-Petersen, Björn Gudbjörnsson, Gerdur Gröndal, Inger Gjørtsson, Ronald van Vollenhoven, Cristina Maglio, Kerstin Andersson, Anna-Karin Hultgård Ekwall, Anna-Carin Lundell, and Anna Rudin
(Gothenburg, SWE)
- P1.16 (P016): Pro-inflammatory cytokines regulate H19 and miR-675, influencing cell behavior and miR-675 modulation through H19 modification**
 Elena Neumann, Zhichao Wang, Mona Arnold-Gräf, Lynn Kirchner, Dennis Küppers, Klaus Frommer, Christoph Biehl, Stefan Rehart, Ulf Müller-Ladner
(Bad Nauheim, DE)
- P1.17 (P017): Neutrophil dysfunction in early rheumatoid arthritis and its association with the clinical phenotype and interferon signalling pathways**
Chung Mun Alice Lin, Dr Henrique Lemos, Jonathan Scott, Arthur G Pratt, A John Simpson, John D Isaacs, Faye AH Cooles
(Newcastle, UK)
- P1.18 (P018): Investigating the role of β 2-integrins in in vitro and in vivo inflammatory reactions**
Zsuzsanna Papp, Dorottya Deli, Miklós Kovács, Attila Mócsai
(Budapest, HU)
- P1.19 (P019): The impact of TLR stimulation on synovial membrane cells of osteoarthritis patients**
 Yujie Dai, Nayar Durán-Hernández, Xiaohui Liu¹, Xu Liang, Ao Gong, Peihua Wu, Gabriela Maria Guerra, Shilei Wu, Stephan Oehme, Luis Lauterbach, Lorenz Pichler, Tazio Maleitzke⁴, Stefanie Donner, Gerhard Krönke, Tobias Winkler, Carsten Perka, Mir-Farzin Mashreghi, Max Löhning, Ping Shen
(Berlin, DE)

P1.20 (P020): Analyzing the effect of oral tyrosine kinase inhibitors on basal tyrosine phosphorylation of circulating leukocytes

Dorottya Deli, Dorottya Markó, Krisztina Futosi, and Attila Mócsai
 (Budapest, HU)

P1.21 (P021): Respiratory burst, degranulation and in vitro migration of neutrophil-like cells differentiated from CRISPR/Cas9-modified conditionally immortalized myeloid progenitors

Emiliána Jex, Áron Pánczél, Attila Mócsai
 (Budapest, HU)

P1.22 (P022): Myeloid src-family kinases and their role in various forms of kidney inflammation

Lukács S. Lesinszki, Lili K. Boldizsár, Attila Fintha, Gábor Szénási, Csaba Révész, Balázs Huszár, Michael G. Robson and Attila Mócsai
 (Budapest, HU)

Poster tour 2: CELLS IN ACTION I.

Chairs: Caroline Ospelt, Gábor Kumánovics

P2.01 (P034): Differential enrichment of synovial tissue macrophages between Rheumatoid and Psoriatic Arthritis synovium

Megan M. Hanlon, Success Amaechi, Conor J. Hurson, Viviana Marzailoli, Carl Orr, Douglas J. Veale, Ursula Fearon
 (Boston, USA)

P2.02 (P035): IL-6-Mediated epigenetic programming of naive CD4+ T cells in rheumatoid arthritis

Min Lou, Elena Jones and Frederique Ponchel
 (Leeds, UK)

P2.03 (P036): The gut-joint axis in rheumatoid arthritis: From bulk to single cell resolution

Nadine Otterbein, Yuichi Maeda, Carolin Brandl, Eva Schmid, Leona Ehnes, Anna Svärd, Daniele Mauro, Georg Schett, Francesco Ciccia, Alf Kastbom, Mario M. Zaiss
 (Montpellier, FR)

P2.04 (P037): Monocyte differentiation is distinctly shaped by the joint microenvironment in RA and PsA patients

Niamh O'Dowd, Dumitru Anton, Sonia Sundamun, Hannah Darcy, Carl Orr, Douglas Veale, Ursula Fearon, Viviana Marzaioli
(Dublin, IRL)

P2.05 (P038): Runx1 is a master regulator of synovial fibroblast pathogenicity in rheumatoid arthritis

Paulynn Chin, Mahony C, Kemble S, Prada C, Hackland A, Nisa PR, Marsh LJ, Keane P, Smith C, O'Neil J, Korsunsky I, Bonifer C, Filer A, Clark A, Buckley CD, Sansom S, Coles M and Croft AP
(Birmingham, UK)

P2.06 (P039): Analysis of t-lymphocytes in rheumatoid arthritis patients

Ruska Shumnalieva, Zlatimir Kolarov, Simeon Monov
(Sofia, BG)

P2.07 (P040): Rheumatoid Arthritis and Psoriatic Arthritis monocytes are differentially primed for pro-inflammatory responses, macrophage differentiation and osteogenic capacity

Amaechi, S., Hanlon, M., Gilmore, A., Anton, D., Canavan, M., Sundanum, S., Orr, C., Veale, DJ., Marzaioli, V., Fearon, U.
(Dublin, IRL)

P2.08 (P041): Altered frequency of circulatory monocyte subsets and activation in Giant Cell Arteritis

Amaechi, S., Marzaioli, V., Conway, R., Veale, DJ., Molloy, É., Fearon, U.
(Dublin, IRL)

P2.09 (P042): Chaperone-mediated autophagy in synovitis distinguishes Psoriatic Arthritis from Rheumatoid Arthritis

Teresa Caferri, Vincenzo Venerito, Gerardo Cazzato, Giuseppe Lopalco, Fabio Cacciapaglia, Veronica Spedicato, Adriana Capuano, Marlea Lavista, Sergio del Vescovo, Eleonora Ceglie, Francesco Girolamo, Florenzo Iannone
(Bari, IT)

P2.10 (P043): Investigating the importance of long-term cryopreservation storage conditions on yields and quality of PBMC samples for optimal downstream translational research

Abbie EA Degnan, Julie Diboll, Liam Thompson, John D Isaacs, Arthur G Pratt, Amy E Anderson
(Newcastle, UK)

P2.11 (P044): ICAM1-CD11c-Mediated Cell-Cell Interactions Contribute to the IFN γ -like Signature in Rheumatoid Arthritis

Alexandra Khmelevskaya, Miranda Houtman, Kristina Bürki, Chantal Pauli, Oliver Distler, Adrian Ciurea, Andreas Ramming, Ursula Fearon, Caroline Ospelt, Raphael Micheroli
(Zurich, CH)

P2.12 (P045): Eculizumab inhibits granulocyte chemotaxis in a novel human ex vivo migration model of bullous pemphigoid

Simon Vikár, Dóra Ildikó Bérczes, Tamás Soma Szalay, Barbara Uzonyi, Mihály Józsi, Miklós Sárdy and Attila Mócsai
(Budapest, HU)

P2.13 (P046): Investigation of crispr editing in neutrophil progenitor cells

Eszter Borsi, Attila Mócsai, Áron Pánczél
(Budapest, HU)

P2.14 (P047): Phagocytosis, 2D migration and spreading activity of neutrophil-like cells derived from conditionally immortalized HoxB8-transduced myeloid progenitors

Daniella Görög, Áron Pánczél and Attila Mócsai
(Budapest, HU)

P2.15 (P048): JAKi therapy impacts on ILC3 dysregul

Aditya Arra, Katrin Vogel, Irina Han, Christine Behrendt, Ildiko Rita Dunay, Thomas Häupl, Eugen Feist and Monika C. Brunner-Weinzierl
(Magdeburg, DE)

Poster tour 3: TISSUE FIBROSIS

Chairs: John Varga, László Czirják

P3.01 (P064): Mechanical compression of osteoarthritic synovial fibroblasts promotes fibrosis in a microfluidic chip

Nour Akil, Moritz Pfeiffenberger, Frank Buttgerit, Timo Gaber, Alexandra Damerou
 (Berlin, DE)

P3.02 (P065): The limited effect of FAP-tPDT on immune cells in a 3D collagen model of systemic sclerosis

D.N. Dorst, T. Papadimitriou, E.L. Vitters, B. Walgreen, M.M.A. Helsen, C. Klein, M.C. Vonk, P.M. van der Kraan, A.P.M. van Caam and M.I. Koenders
 (Nijmegen, NL)

P3.03 (P066): Altered miRNA patterns of peripheral blood mononuclear cells show correlations with pulmonary manifestations of systemic sclerosis

Dóra Csige, Szilárd Pólska, János Rózsa, Dóra Tari, Szilvia Szamosi, Zoltán Szekanecz, Gabriella Szűcs, Levente Bodoki
 (Debrecen, HU)

P3.04 (P067): A fibrosis-on-chip model to study Systemic Sclerosis

E.M. Streutker, U. Devamoğlu, A.P.M. van Caam, P.M. van der Kraan, S. Le Gac, M.C. Vonk, W.P.R. Verdurmen
 (Nijmegen, NL)

P3.05 (P068): TGFβ-activated myofibroblasts – a common therapeutic target across cancer and inflammatory arthritis

Ian Beh, Charlotte Smith, Christopher Mahony, Lucy-Jayne Marsh, Samuel Kemble, Andrew Filer, Adam Croft
 (Birmingham, UK)

P3.06 (P069): Activation of the Th17/IL-17 axis marks the transition from Very Early Diagnosis of Systemic Sclerosis (VEDOSS) to established Systemic Sclerosis

Justus Ohmes, Hanna Großhoff, Sara Comdühr, Reza Akbarzadeh, Antje Müller, Timo Gemoll, Gabriela Riemekasten, Jens Y. Humrich
 (Lübeck, DE)

P3.07 (P070): Distinct Phenotypes of Circulating Monocytes in Rheumatoid Arthritis and Rheumatoid Arthritis Associated Lung Disease

Lynn Stewart, Esther Ebstein, Kieran Woolcock, Bruno Crestani, Mario Ferraioli, Philippe Dieude, Marie-Pierre Debray, Madeleine Jaillet, Victoria Keillor, Andrew Tong, Emily Smith, David Anderson, Pierre Antoine Juge, Aurelie Najm
 (Glasgow, UK)

P3.08 (P071): The effect of synovial fibroblast-specific tyrosine kinase deletion in a chronic polyarthritis model in mice

Nóra Majerhoffer, Adrienn Bóka, Attila Mócsai, Tamás Németh
 (Budapest, HU)

P3.09 (P072): The role of hepatokines as a potential biomarkers in systemic sclerosis

Olga Gumkowska-Sroka, Aleksander Owczarek, Klaudia Palka, Przemysław Kotyla
 (Sosnowiec, PL)

P3.10 (P073): Immune Complexes of AT1R Antibodies and Extracellular Vesicles as Pathologic Modulators in Systemic Sclerosis

Alexander Hackel, Reza Akbarzadeh, Marieke Leiber, Hanna Grasshoff, Tanja Lange, Jens Y. Humrich, Gabriela Riemekasten
 (Lübeck, DE)

P3.11 (P074): B cell/adipocyte crosstalk fuels pro-fibrotic macrophage polarization during intestinal inflammation

Marie C. Goess, Julia Heinze, Iana Gadjalova, Selina J. Keppler
 (München, DE)

P3.12 (P075): Engineered hand test system glove to assess fibrotic skin hand impairment in patients with advanced systemic sclerosis

Jaffal A, Sulli A, Clini P, Gotelli E, Hysa E, Paolino S, Cutolo M
 (Genova, IT)

Poster tour 4: TISSUE DESTRUCTION

Chairs: László Kovács, Tamás Németh

P4.01 (P081): Regulation of inflammatory joint destruction by osteocyte-specific deletion of podoplanin in the K/BxN serum transfer model of arthritis

Naylor AJ, Al-Qasemi R, Poologasundarampillai G, Möller K, Beckmann D, Buckley CD, Pap T, Wehmeyer C
 (Münster, DE)

P4.02 (P082): Delineation of fibroblast-like synoviocyte-mediated immune responses in the pathogenesis of rheumatoid arthritis

Elpida Neofotistou-Themeli, Theoni-Maria Michalopoulou, Panagiota Goutakoli, Ilias Drakos, Maria Semitekolou, Eirini Sevdali, George Bertsias, Panos Verginis, Prodomos Sidiropoulos
 (Heraklion, GR)

P4.03 (P083): Unveiling the role of Chi3L1: a novel seno-link in OA onset and progression

Georges Maroun, Claudia Therraza, Dominique De Seny, Djouad Farida, Yves-Marie Pers and Jean-Marc Brondello
 (Montpellier, FR)

P4.04 (P084): From Synovitis to Osteocyte Demise: Unveiling Bone Loss Pathways in Inflammatory Arthritis

Georgiana Neag, Samuel Kemble, Lucy-Jayne Marsh, George Kollias, Christopher D. Buckley, Stefan Uderhardt, Adam P. Croft
 (Birmingham, UK)

P4.05 (P085): Wnt16 as a regulator of pro-inflammatory cytokine and chemokine secretion by fibroblast-like synoviocytes from arthritic mice

Linda Wessendorf, Simon Kleimann, Thomas Pap, Berno Dankbar
 (Münster, DE)

P4.06 (P086): Enteseal Tissue Response to IL-17A Blockade in Psoriatic Arthritis: Findings from the EBIO Entesial Biopsy Study

Maria Gabriella Raimondo, Hashem Mohammadian, Stefano Alivernini, Simon Rauber, Mario Angeli, Filippo Fagni, Giulia Corte, Koray Tascilar, Maria Antonietta D'Agostino, Milena Pachowsky, Georg Schett, Arnd Kleyer, Andreas Ramming
 (Erlangen, DE)

P4.07 (P087): CRTAC1 as a biomarker for osteoarthritis: link to inflammation and microRNA regulation

Prokopcová Aneta, Baloun Jiří, Navrátilová Adéla, Mocová Klára, Ondřejčáková Lucia, Juhászová Jana, Kropáčková Tereza, Wünsch Hana, Tomčík Michal, Ballay Rastislav, Fulín Petr, Gatterová Jindřiška, Šléglová Olga, Růžicková Olga, Kriegová Eva, Gallo Jiří, Vencovský Jiří, Senolt Ladislav
(Prague, CZ)

P4.08 (P088): MSCs are potential sustainers of inflammation in rheumatoid arthritis

Sabrina Summer, Micheal B. Fischer, Daniela Sieghart, Michael Bonelli
(Krems, AT)

P4.09 (P089): Increased sodium accumulation in inflamed knees of patients with autoimmune joint disease detected by ²³Na-magnetic resonance imaging

Tineke J. van Wesemael, Emma C. de Moel, Wouter M. Teeuwisse, Pearly Jozef, Sipeng Zheng, Edwin H. G. Oei, Paul W. Schenk, Tom W.J. Huizinga, René E. M. Toes, Andrew G. Webb, Diane van der Woude
(Leiden, NL)

P4.10 (P090): MiR-342-3p controls cholesterol metabolism and osteoclastogenesis in blood monocyte-derived macrophages and bone erosion in arthritis by targeting Nceh1

Yinhao Xie, Claire Lozano, Valentin Estibals, Léa Marinèche, Clara Ponsolles, Isabelle Duroux-Richard, Claudine Blin-Wakkach, Frédéric Fiore, Frédéric Lézot, Jorge William Vargas-Franco, Gabriel Courties, Florence Apparailly
(Montpellier, FR)

P4.11 (P091): HOXD10 and HOXD13 are key regulators of RA phenotypes in hand synovial fibroblasts during inflammation

Masoumeh Mirrahimi, Camino Cebrian Calvo, Miranda Houtman, Alexandra Khmelevskaya, Caroline Ospelt
(Zurich, CH)

P4.12 (P092): Examination of bone metabolism in patients with hereditary hemorrhagic telangiectasia

Boglarka Brugos, György Pfliegler
(Debrecen, HU)

P4.13 (P093): Inhibition of the fractalkin chemokine receptor CX3CR1 reduces chronic arthritic pain and osteoarthritic tissue damage in mice

Ádám István Horváth, Péter Pápai, Sára Szabó, Éva Borbély, Nikolett Szentes, Valéria Tékus, Zsuzsanna Helyes
 (Pécs, HU)

Poster tour 5: VASCULAR PATHOLOGY

Chairs: Cosimo de Bari, Javier Rodriguez Carrio

P5.01 (P114): Yap activity promotes an invasive vascular fibroblast phenotype in giant cell arteritis

Hafeez E. Ibrahim, Maira Karabayas, Dana Kidder, Anke J. Roelofs, Cosimo De Bari
 (Aberdeen, UK)

P5.02 (P115): Investigating the additive role of anti-myeloperoxidase IgM serum levels in anti-neutrophil cytoplasmic antibody-associated vasculitis

Helena Keek, Renee van de Wetering, Karin van Schie, Onno Teng, Abraham Rutgers, Peter Heeringa, Reinhard E. Voll, Marta Rizzi, Nils Venhoff, Peter Lamprecht, Antje Müller, Sebastian Klapa, Diane van der Woude, Hans U. Scherer
 (Leiden, NL)

P5.03 (P116): Proinflammatory Effects of Rheumatoid Arthritis on Cardiac Electrophysiology and Calcium Homeostasis

Jan Wolnik, Patrycja Adamska, Aleksandra Oleksy, Paweł Ferdek, Anna Sanetra, Katarzyna Palus-Chramiec, Marian Henryk Lewandowski, Józef Dulak, Monika Biniecka
 (Kraków, PL)

P5.04 (P117): The ALDH4A1/anti-ALDH4A1 axis as a new player for atherosclerosis in rheumatoid arthritis: basic, clinical and therapeutic evidence

Daniel Miranda-Prieto, Mercedes Alperi-López, Ángel I. Pérez-Álvarez, Ana Suárez, Javier Rodríguez-Carrio
 (Oviedo, ES)

P5.05 (P118): Cutaneous vasculitis in systemic lupus erythematosus: a comprehensive retrospective analysis

Radosław Dzedzic, Lech Zaręba, Magdalena Spałkowska, Andżelika Siwiec-Kozlik, Agnieszka Padjas, Stanisława Bazan-Socha, Mariusz Korkosz, Joanna Kosałka-Węgiel (Kraków, PL)

P5.06 (P119): Biological and Conventional Therapies in Psoriatic Arthritis: Impact on Carotid Intima-Media Thickness and Cardiovascular Risk Factors

Minerva Berrocal Acedo, Álvaro Román Perea, Rosalía Martínez Pérez, Maite Odriozola Gil, Victoria Peinado Nuño, María Luisa Velloso Feijoo (Sevilla, ES)

P5.07 (P120): Impact of Angiotensin II Type 1 Receptor Antibodies on Endothelial Dysfunction in Systemic Sclerosis

Maj Jäpel, Alexander Hackel, Benedikt Fels, Antje Müller, Jens Y. Humrich, Kristina Kusche-Vihrog, Gabriela Riemekasten, Reza Akbarzadeh (Lübeck, DE)

P5.08 (P121): Estimation of Cardiovascular Risk in Systemic Sclerosis - Potential Coefficient for Improvement of Accuracy of Cardiovascular Risk Calculation by SCORE

Sabina Oreska, Aneta Prokopcova, Hana Storkanova, Jaroslav Kudlicka, Vladimir Tuka, Ondrej Mikes, Zdislava Krupickova, Martin Satny, Eva Chytilova, Jan Kvasnicka, Maja Spiritovic, Barbora Hermankova, Petr Cesak, Marian Rybar, Karel Pavelka, Ladislav Senolt, Radim Becvar, Jiri Vencovsky, Michal Vrablik, Michal Tomcik (Prague, CZ)

P5.09 (P122): Increased risk for cardiac and vascular morbidity in giant cell arteritis (GCA): large-scale propensity-matched global retrospective cohort study

Sebastian Klapa, Relana Nieberding, Katja Bieber, Artem Vorobyev, Henry Nording, Marlene Ludwig, Anja Staehle, Antje Müller, Gabriela Riemekasten, Ralf Ludwig, Peter Lamprecht (Lübeck, DE)

P5.10 (P123): Differential expression and regulation of complement receptors C5aR1 and C5aR2 in T cells in granulomatosis with polyangiitis: implications for the pathophysiology of the disease

Solveig Augustin, Anja Stähle, Nadja Leinung, Sebastian Klapa, Silke Pitann, Antje Müller, Gabriela Riemekasten, Peter Lamprecht (Lübeck, DE)

P5.11 (P124): Alterations of vascular biomarkers during pregnancy of systemic autoimmune rheumatic disease patients

Diana Simon, Szabina Erdo-Bonyar, Ahmed Badawy, Valerie Kuczwar, Christine Hörhager, Antonia Mazzucato-Puchner, Klara Rosta, Tímea Berki
 (Pécs, HU)

P5.12 (P125): Nailfold videocapillaroscopy progressive microvascular abnormalities in long-COVID patients: a multicenter Italian investigation

Emanuele Gotelli, Rosanna Campitiello, Carmen Pizzorni, Silvia Sammori, Ernesto Aitella, Lia Ginaldi, Massimo de Martinis, Francesco Carubbi, Evy Di Ruscio, Giovanna Cuomo, Emanuela Martinelli, Sabrina Marrone, Rossella De Angelis, Dilia Giuggioli, Serena Guiducci, Francesca Ingegnoli, Valeria Riccieri, Marco Sebastiani, Alberto Sulli, Vanessa Smith, Maurizio Cutolo
 (Genova, IT)

P5.13 (P126): Nkx2-3 defines the splenic vascular patterning in a lineage-and-dose-dependent manner

Zoltán Kellermayer, Kata Váradi, Gergely Berta, Diána Heidt, Maria Figetakis, Kaelyn Sumigray, Péter Balogh
 (Pécs, HU)

P5.14 (P127): The role of nailfold videocapillaroscopy in systemic lupus erythematosus

Vojinovic T, Antovic A, Faustini F, Campitiello R, Pizzorni C, Gotelli E, Sulli A, Smith V, Cutolo M
 (Genova, IT)

Poster tour 6: AI AND VARIA

Chairs: Frederique Ponchel, Gabriella Szűcs

P6.01 (P150): Radiomics to discriminate between axial spondyloarthritis and axial psoriatic arthritis and to predict TNFi therapy persistence

Sergio del Vecovo, Vincenzo Venerito, Teresa Caferri, Marco Capodiferro, Crescenzo Scioscia, Maria Grazia Giannotta, Florenzo Iannone, Giuseppe Lopalco
 (Bari, IT)

P6.02 (P151): Age-Stratification Reveals Age-Specific Intestinal Microbiota Signatures in Juvenile Idiopathic Arthritis

Toni Sempert, Lisa Budzinski, Leonie Lietz, René Maier, Gi-Ung Kang, Anne Sae Lim von Stuckrad, Carl Christoph Goetzke, Maria Roth, Aayushi Shah, Amro Abbas, Katrin Lehman, Kathleen Necke, Stefanie Bartsch, Ute Hoffmann, Mir-Farzin Mashreghi, Robert Biesen, Tilmann Kallinich, Hyun-Dong Chang
(Berlin, DE)

P6.03 (P152): Clinical characteristics, comorbidities, and treatment in patients with Behçet's disease – single-center analysis of 8 cases

Bogna Grygiel-Górniak, Paweł Głuszek, Włodzimierz Samborski
(Poznan, PL)

P6.04 (P153): Mediators of osteopetrosis in miR-146a deficient mice

E. Simader, Victoria Saferding, Thomas Sokolich, Mark Boldin, Silvia Hayer, Birgit Niederreiter, Daniel Aletaha, S. Blüml
(Vienna, AT)

P6.05 (P154): Characterising Tripterygium glycoside fraction n2 (TGn2), a promising anti-inflammatory herbal treatment for rheumatoid arthritis

Iro Chaitoglou, Louisa Brieskorn, Olga Chuquimia, Sanjaykumar Boddul, Mårten Larsson, Helena Idborg, Wei-hong Liang, Yun-shan Wu, Bo Liu, Marina Korotkova, Ulf Göransson, Per-Johan Jakobsson
(Solna, SWE)

P6.06 (P155): Investigation of the Anti-Inflammatory Effects of Aucklandia lappa Extract for the Treatment of Rheumatoid Arthritis

Janika Welzel, Luke Robertson, Sanjay Boddul, Louisa Brieskorn, Iro Chaitoglou, Olga Chuquimia, Helena Idborg, Fredrik Wermeling, Mingmei Shang, Jing Guo, Zehuai Wen, Wen Xu, Huang Runyue, Louise Berg, Marina Korotkova, Ulf Göransson, Per-Johan Jakobsson
(Solna, SWE)

P6.07 (P156): Use of Anifrolumab in Patients Diagnosed with Systemic Lupus - case series

Maite Odriozola Gil, Victoria Peinado Nuño, Rosalía Martínez Pérez, Álvaro Román Perea, Minerva Berrocal Acedo, María Luisa Velloso-Feijóo
(Sevilla, ES)

P6.08 (P157): IgG4-Related Disease: A Case Series Review of Patients Treated with Rituximab

Maite Odriozola Gil, Sergio Rodríguez Montero, Álvaro Román Perea, Minerva Berrocal Acedo, Victoria Peinado Nuño, Rosalía Martínez Pérez
 (Sevilla, ES)

P6.09 (P158): Efficacy of Anti IL-23 Drugs in Psoriasis and Psoriatic Arthritis

Minerva Berrocal Acedo, Maite Odriozola Gil, Amalia Pérez Gil, Rosalía Martínez Pérez, María Luisa Velloso Feijóo, Raquel Hernández Sánchez
 (Sevilla, ES)

P6.10 (P159): Psoriasis-psoriatic arthritis multidisciplinary unit: baseline characteristics of psoriatic arthritis patients

Victoria María Peinado Nuño, Álvaro Román Perea, Amalia Pérez Gil, Rosalía Martínez Pérez, María Luisa Velloso Feijóo, Raquel Hernández Sánchez
 (Sevilla, ES)

P6.11 (P160): Impact of obesity on moderate-severe psoriatic disease

Álvaro Román Perea, Victoria María Peinado Nuño, Amalia Pérez Gil, Rosalía Martínez Pérez, María Luisa Velloso Feijóo, Raquel Hernández Sánchez
 (Sevilla, ES)

P6.12 (P161): Ultrasound of salivary glands in Sjögren's syndrome

Álvaro Román Perea, Minerva Berrocal Acedo, Rosalía Martínez Pérez, Maite Odriozola Gil, Victoria María Peinado Nuño, María Luisa Velloso Feijóo
 (Sevilla, ES)

P6.13 (P162): Experience in clinical practice of Fast Track Circuit for Giant Cell Arteritis

Álvaro Román Perea, Minerva Berrocal Acedo, Rosalía Martínez Pérez, Maite Odriozola Gil, Victoria María Peinado Nuño, María Luisa Velloso Feijóo
 (Sevilla, ES)

P6.14 (P163): The infrequency but high lethality of renopulmonary syndromes

Álvaro Román Perea, Consuelo Ramos Giráldez, Rosalía Martínez Pérez, Minerva Berrocal Acedo, Maite Odriozola Gil, María Luisa Velloso Feijóo
 (Sevilla, ES)

P6.15 (P164): Analysis of selected cognitive functions and emotion recognition in patients with psoriasis and atopic dermatitis

Marcin Kuryłło, Ewa Mojs, Włodzimierz Samborski
(Poznań, PL)

P6.16 (P165): CRP as a Predictor and Correlate of Improvement in Sexual Function During Initial Biologic Therapy in Female Patients with Rheumatoid Arthritis

Daniel Zavada, Barbora Vala, Adela Navratilova, Veronika Losterova, Lenka Moravcova, Jiri Vencovsky, Ladislav Senolt, Karel Pavelka, Michal Tomcik
(Prague, CZ)

P6.17 (P166): Initial Biological Therapy Improves Sexual Function in Male Patients with Ankylosing Spondylitis: A 6-Month Prospective Study

Daniel Zavada, Barbora Vala, Adela Navratilova, Veronika Losterova, Lenka Moravcova, Jiri Vencovsky, Ladislav Senolt, Karel Pavelka, Michal Tomcik
(Prague, CZ)

P6.18 (P167): The effect of the JAK inhibitor tofacitinib in experimental autoimmune skin blistering

Petra Koncz, Nikolett Szénási, Kata Petra Szilveszter, Attila Mócsai
(Budapest, HU)

P6.19 (P168): Characteristics of 21 patients with hemophagocytic lymphohistiocytosis – insights from a single-center retrospective study

Radosław Dziedzic, Mariusz Korkosz, Joanna Kosatka-Węgiel
(Kraków, PL)

P6.20 (P169): Habitual physical activity, muscle fitness and muscle mass/quality parameters increase during the first 6 months of conventional therapy in newly diagnosed patients with myositis

Lucie Lážnovská, Lucia Vernerová, Martina Vokurková, Martin Klein, Heřman Mann, Sabína Oreská, Michal Tomčík, Jozef Ukropec, Barbara Ukropcová, Jiří Vencovský
(Prague, CZ)

May 10, Saturday, 12.00-13.30

Poster tour 7: IMMUNOMETABOLISM

Chairs: Ursula Fearon, Maurizio Cutolo

P7.01 (P023): The altered tryptophan metabolism and depressive disorders in patients with chronic arthritis

Dorota Sikorska, Paula Chachurska, Alicja Przybył-Dukat, Włodzimierz Samborski
 (Poznan, PL)

P7.02 (P025): Intermittent fasting reshapes mesenchymal cellular lipid metabolism to ameliorate inflammatory tissue priming and chronic arthritis

Ivana Androšević, Martin Böttcher, Xi Chen, Arne Gessner, Pooja Gupta, Jasna Friščić, Rebecca Ölkrug, Melanie Conrad, Tatiana Sezin, Frank Madeo, Jens Mittag, Dimitrios Mouggiakakos, Stefan Jordan, Sebastian Hofer, Markus Hoffmann
 (Lübeck, DE)

P7.03 (P026): Influence of expression levels of lactate transport molecules MCT1 and MCT4 on synovial fibroblasts from patients with rheumatoid arthritis

Klaus W Frommer, Satabdi Chakraborty, Magdalena Sowa, Stefan Rehart, Ulf Müller-Ladner, Elena Neumann
 (Bad Nauheim, DE)

P7.04 (P027): Calcium oscillations are a metabolic checkpoint in osteoclastogenesis

Markus Kieler, Cosmin Ciotu, Gerwin Heller, Michael J M Fischer, Gernot Schabbauer, Stephan Blüml
 (Vienna, AT)

P7.05 (P028): Immunometabolic profiling of patients with SLE reveals connections of immunometabolic features with the disease pathogenesis

Matea Rados, Eva Schuler, Tobias Fecht, Sophie Dieng, Barbara Dreö, David Kicking, Daniel Pietsch, Isabel Hodl, Philipp Bosch, Jens Thiel, Martin H. Stradner, Angelika Lackner & Johannes Fessler
 (Graz, AT)

P7.06 (P029): Synergistic Interaction of Immune Cell-Derived Cytokines Drive the Metabolic Adaptation and Pathogenic Activity of RA Synovial Fibroblasts

Tynan Ó, Floudas A, Gilmore A, Brugman A, Marzaioli V, Anton D, Wade S, McCabe E, Orr C, Veale DJ, Fearon U
(*Dublin, IRL*)

P7.07 (P030): Janus kinase inhibitors enhance prostanoid biosynthesis in human whole blood in vitro: implications for cardiovascular side-effects and prevention strategies

Sabreen Alabbasi, Stefania Tacconelli, Mirjam de Vries, Iva Gunnarsson, Vilija Oke, Marika Kvarnström, Alessandra De Michele, Patrizia Di Gregorio, Paola Patrignani, Helena Idborg, Per-Johan Jakobsson
(*Solna, SWE*)

P7.08 (P031): Adipokine levels are associated with cardiac and gastrointestinal manifestations in a systemic sclerosis cohort

Zsuzsanna Gyetkó, Dóra Csige, Dóra Tari, Levente Bodoki, István Rebenku, Zoltán Szekanecz, Gabriella Szűcs, Szilvia Szamosi
(*Debrecen, HU*)

P7.09 (P032): The Effect of Semaphorin3A on Metabolic Reprogramming of Human T Cells During Homeostasis and Rheumatoid Arthritis

Zahava Vadasz, Raeda Mubarak, Elias Toubi
(*Haifa, ISR*)

P7.10 (P033): BiomiX integrated multi-omics analysis of PRECISESADS data reveals key metabolic pathway alterations in B lymphocytes, immune cells, and their microenvironment

Cristian Iperi, Álvaro Fernández-Ochoa,, Jacques-Olivier Pers, Guillermo Barturen, Marta Alarcón Riquelme,, Rosa Quirantes-Piné, Isabel Borrás-Linares, Antonio Segura-Carretero, Valerie Devauchelle-Pensec, Divi Cornec, Anne Bordron, Christophe Jamin
(*Brest, FR*)

Poster tour 8: CELLS IN ACTION II.

Chairs: Leonie Taams, György Nagy

P8.01 (P049): **Tailored Synovial Fluid Isolation Protocol for a Comprehensive Cellular Profiling in Inflammatory Arthritis**

Abel Mekonnen Tesfaye, Erlend Holm-Nordli, Guro Løvik Goll, Julie Røkke Osen, Hilde Berner Hammer, Andreas Lossius, Silje Watterdal Syversen, Asbjørn Christophersen
(Oslo, NO)

P8.02 (P050): **Characterization of the synovial immune cell repertoire in three murine models of osteoarthritis**

Anaïs Cardon, Julien De Lima, Mathilde Le Mercier, Nicolas Gaigeard, Claire Vinatier, Jérôme Guicheux, Marie-Astrid Boutet
(Nantes, FR)

P8.03 (P051): **Deep phenotyping of synovial tissue shows established T cell compartments already at diagnosis of rheumatoid arthritis**

Hooijsma A., Kumar Sharma R., Af Klint E., Argyriou A., Wangriatisak K., Karangoudini E, Wähämaa H., van Vollenhoven A., Turcinov S., Chemin, Malmström V.
(Solna, SWE)

P8.04 (P052): **Naive, early T cell progenitors populate the inflamed RA joint, primed for inflammation**

Aoife M. O'Rourke, Hannah Costello, Cathal Doherty, Carl Orr, Richard Conway, Douglas Veale, Ursula Fearon, Mary Canavan
(Dublin, IRL)

P8.05 (P053): **Comparative evaluation of synovial tissue landscapes by single cell transcriptomics and spatial proteomics reveals discrete and overlapping disease pathways driving checkpoint inhibitor-induced and spontaneous inflammatory arthritis**

Jason D Turner, Anthony K McLean, Amanda Thomson, Kristian Williams, Ioana Nicorescu, Luke Jones, George Mercus, Ana Teodosio, Bethany Hunter, Abbie Degnan, Dagmar Scheel-Toellner, Shashank Jariwala, Qin An, Ruth Plummer, Adam P Croft, Lalit Pallan Benjamin A Fisher, Jonathan Coxhead, Rafiqul Hussain, Michal Magid-Slav, David McDonald, Stefan Siebert, Andrew J Filby, Gary Reynolds, Amy E Anderson, Catharien MU Hilken, David F Tough, Andrew Filer, Arthur G Pratt
(Birmingham, UK)

P8.06 (P054): Identification and Characterisation of Circulating Stromal Cells in Individuals-at-risk and patients with Rheumatoid Arthritis

Barker BE, Tynan Ó, Anton D, O'Rourke A, Mc Cabe E, Orr C, Canavan M, Veale DJ, Fearon U
(Dublin, IRL)

P8.07 (P055): Assessing the depth of tissue B-cell depletion upon different B-cell targeting agents

Carlo Tur, Markus Eckstein, Laura Bucci, Janina Auth, Danae-Mona Nöthling, Sebastian Böltz, Filippo Fagni, Jule Taubmann, Giulia Corte, Melanie Hagen, Andreas Wirsching, Jochen Wacker, Andreas Ramming, Maria Antonietta D'Agostino, Arndt Hartmann, Christina Bergmann, Ricardo Grieshaber-Bouyer, Aline Bozec, Georg Schett, Maria Gabriella Raimondo
(Erlangen, DE)

P8.10 (P056): Comparative Analysis of Synovial Fluid Protein Composition in Relation to Histological and Molecular Profiles of Synovial Tissue: Results from the R4RA and STRAP Clinical Trials

Francesco Salvatore Iaquinta, Federico Abatecola, Liliane Fossati-Jimack, Costantino Pitzalis, Felice Rivellese and R4RA and STRAP collaborative group
(London, UK)

P8.11 (P057): SLAMF4high SAP+ CCR5+ Effector Memory CD4+ T Cells: A key Cytotoxic and Inflammatory Subset in Rheumatoid Arthritis Synovial Fluid

H-G Bouzidi, M. Lacaud, J. Sigaux, L. Semerano, E. Rivière, M-C Boissier, N. Bessis and J. Biton
(Bobigny, FR)

P8.12 (P058): Advanced imaging-based ex vivo profiling of PBMCs for patient stratification in rheumatoid arthritis

Lisabeth Emilius, Felix Kartnig, Mirjam Dellinger, Daniel Aletaha, Michael Bonelli, Leonhard X Heinz
(Vienna, AT)

P8.13 (P059): Preliminary Results from Comprehensive Single-Cell Analysis Exploring the Cellular Landscape in JIA Joints and Peripheral Blood

Martine Mesel, Øyvind Bakke, Fatima Heinicke, Chenqu Suo, Siri T. Flåm, Anna-BirgiBe Aga, Hanne S. Hjorthaug, Sverre B. Løken, Pål M. Bjørnstad, Helga Sanner, Berit Flatø, Sarah Teichmann, Pernille H. Bøyesen, Benedicte A. Lie
(Oslo, NO)

P8.14 (P060): A novel 3D in vitro model for precision medicine and drug development in Rheumatoid Arthritis

Aikaterini Apostolopoulou, Melpomeni Toitou, Alexandra Khmelevskaya, Camino Cebrian Calvo, Andrea Laimbacher, Lauriane Cabon², Caroline Ospelt
 (Zurich, CH)

P8.15 (P061): Effects of secosteroid D hormone in promoting the shift from M1 to M2 phenotype in cultures of human monocyte-derived macrophages

V.Smith, S. Soldano, R. Campitiello, E., Gotelli, P., Montagna, A.Cere, T. Vojinovic, S. Paolino, A. Sulli, M. Cutolo
 (Genova, IT)

P8.16 (P062): Characterisation of the in vivo function of neutrophils derived from CRISPR-edited myeloid progenitors

Márk Havasi, Attila Mócsai, Áron Pánczél
 (Budapest, HU)

P8.17 (P063): Genetic editing of HoxB8 cells to study neutrophil functions in vivo

Áron Pánczél, Márk Havasi, Csaba Papp, Attila Gácsér, Attila Mócsai
 (Budapest, HU)

Poster tour 9: INFLAMMATORY PAIN

Chairs: Anne-Marie Malfait, Camilla Svensson

P9.01 (P076): Gut dysbiosis and Vagus Nerve: a pathway to chronic pain in Rheumatoid Arthritis?

Anaïs Pous, Rachel Audo, Manon Galoppin, Jacques Morel, Cyril Rivat, Jérôme Thireau, Emmanuel Bourinet, Claire Immediato-Daien
 (Montpellier, FR)

P9.02 (P077): Intra-articular slow-release treatment with microspheres containing colchicine is efficient in an inflammatory arthritis rat model

Julien Grassot, Farah Marzouki, Roxane Hervé, Magali Breckler, Luca Semerano, Natacha Bessis, Charles Sanson, Gauthier Pouliquen, Philippe Pouletty, Marie-Christophe Boissier, Elodie Rivière
 (Lyon, FR)

P9.03 (P078): 'Fibroblast–Neuron Interactions Driving Persistent Pain in Rheumatoid Arthritis' (FiND-Pain RA) - a study protocol

Friederike Baldeweg, Mikalena Xenophontos, Rosie Ross, Zoe Rutter-Locher, Sarah Hill, Sarah Ryan, Mosab Ali Awadelkareem, Shing T. Law, David L. Bennett, Christopher D. Buckley, Frances Humby, Bruce W. Kirkham, Franziska Denk, Leonie S. Taams
(London, UK)

P9.04 (P079): Bone innervation regulated by osteoclasts and netrin-1 contribute to refractive pain in experimental arthritis

Juan Antonio Vazquez-Mora, Resti Rudjito, Alex Bersellini Farinotti, Nils Simon, Zerina Kurtovic, Nilesh M Agalave, Arisai Martínez Martínez, Enriqueta Muñoz Islas, Julie Barbier, Fabien Marchand, Patrick Mehlen, Thomas Levin Andersen, Juan Miguel Jimenez Andrade, Camilla I. Svensson
(Solna, SWE)

P9.05 (P080): Innate neuroimmune interactions in arthritis-induced joint pain

Zerina Kurtovic, Juan Antonio Vazquez Mora, Harald Lund, Katalin Sandor, Matthew Hunt, Julia Dorothea Monika Döring, Nilesh Agalave, Alex Bersellini Farinotti, Alexandra Kuliszkievicz, Lizeth Ponce Gomez, Juan Miguel Jimenez Andrade, Camilla I Svensson
(Solna, SWE)

Poster tour 10: IMMUNOTOLERANCE

Chairs: John Isaacs, Georg Schett

P10.01 (P094): Treg expansion and IL-6 induced STAT3 phosphorylation in CD4+ T cells is a biomarker of disease flare in rheumatoid arthritis

Amy E Anderson, Luke Jones, Fiona Rayner, Jessica Swift, Daniel Maunder, Henrique de Paula Lemos, David J Swan, Graham Smith, Abbie EA Degnan, Imogen Wilson, Julie Diboll, Gary Reynolds, Jasmine Sim, Andrew Melville, Stefan Siebert, Iain McInnes, Carl S Goodyear, Catharien M U Hilkens, Karim Raza, Christopher D Buckley, Kenneth F Baker, Arthur G Pratt, Andrew Filer, John D Isaacs
(Newcastle, UK)

P10.02 (P095): Using circulating soluble serum mediator profiles to understand the mechanisms driving disease flare and drug-free remission in rheumatoid arthritis

Amy E Anderson, Fiona Rayner, Graham Smith, Abbie EA Degnan, Imogen Wilson, Julie Diboll, Jasmine Sim, Andrew Melville, Stefan Siebert, Iain McInnes, Carl S Goodyear, Catharien M U Hilkens, Andrew Filer, Karim Raza, Christopher D Buckley, Kenneth F Baker, Arthur G Pratt, John D Isaacs
(Newcastle, UK)

P10.03 (P096): Citrullinated vimentin-reactive immune-regulatory CD4+CD39+TIGIT^{hi} T cells expand during drug free remission in HLA-DR shared-epitope+ ACPA+ rheumatoid arthritis

Amy E Anderson, Henrique de Paula Lemos, Hendrik Nel, Sofia Sorbet Santiago, Jia Yi Hee, Fiona Rayner, Abbie EA Degnan, Imogen Wilson, Julie Diboll, Jasmine Sim, Andrew Melville, Stefan Siebert, Iain McInnes, Carl S Goodyear, Catharien M U Hilkens, Andrew Filer, Karim Raza, Christopher D Buckley, Hugh Reid, Kenneth F Baker, Arthur G Pratt, Jamie Rossjohn, Ranjeny Thomas and John D Isaacs
(Newcastle, UK)

P10.04 (P097): Development of an active cellular immunotherapy based on car tregs in acpa+ rheumatoid arthritis

A. Fortuin, N. Shah, A. Iché, C. Duthoit, P. Martineau, C. Jorgensen, P. Louis-Plence
(Montpellier, FR)

P10.05 (P098): IL-17A+ HLA-DR-CCR6+ regulatory T cells: Dual role in T cell suppression and synovial inflammation in arthritis

Bennie van Heeswijk, Margot Bongenaar, Nadine Davelaar, Pascal de Jong, Radboud Dolhain, Hannah den Braanker, Erik Lubberts
(Rotterdam, NL)

P10.06 (P099): B cell-fibroblast interactions in rheumatoid arthritis

Wilson IL, Vidal-Pedrola G, Scheel-Toellner D, Pratt AG, Filer A, Isaacs JD, McGettrick HM, Anderson AE
(Newcastle, UK)

P10.07 (P100): Tofacitinib shifts therapeutic monocyte-derived tolerogenic dendritic cells towards regulatory macrophages

Jack Harrison, Amy Anderson, Venetia Bigley, John Isaacs, Catharien Hilkens
(Newcastle, UK)

P10.08 (P101): Predicting and understanding checkpoint inhibitor toxicity in cancer: The Monitoring immunE Dysregulation foLLowing Immune checkpOint-inhibition (MEDALLION) study

Kristian C. Williams, Abigail Gault, Linda Hogarth, Abbie Degnan, Julie Diboll, Imogen Wilson, David McDonald, Andrew Filby, John D. Isaacs, Amy E. Anderson, Ruth Plummer, Arthur G. Pratt
(Newcastle, UK)

P10.09 (P102): The role of a C-type lectin receptor in immune complex-mediated inflammation

Lili Balogh, Eszter Káposztás, Silvia Hayer, Stephan Blüml, Attila Mócsai, Tamás Németh
(Budapest, HU)

P10.10 (P103): Epigenetic reprogramming: A new treatment strategy for rheumatoid arthritis?

Marie Brinkmann, Teresa Preglej, Anela Tosevska, Bianca Luckerbauer, Jessica Lange, Günter Steiner, Daniel Aletaha, Lisa Göschl, Michael Bonelli
(Vienna, AT)

P10.11 (P104): Revealing hidden HLA class II expression and allelic bias in lymph node B and stromal cells using a personalized single-cell RNA-sequencing approach

M. Houtman, C. Grasso, I.T. Lafeber, J.F. Semmelink, R.E. Mebius, L.G.M. van Baarsen
(Amsterdam, NL)

P10.12 (P105): The plasticity of human foxp3+ tregs in rheumatoid arthritis synovial fluid

N. Shah, Y. El Ahmadi, G. Afonso, E. Lopez, P. Louis-Plence
(Montpellier, FR)

P10.13 (P106): Distinct stability and suppressive phenotype of synovial versus peripheral Treg in rheumatoid Arthritis

T. Abaab, J. Sigaux, M.-C. Boissier, L. Semerano, J. Biton, N. Bessis
(Bobigny, FR)

P10.14 (P107): Evolving role of cysteine-rich peptides as multifaceted pharmacological tools

Sunithi Gunasekera, Per-Johan Jakobsson, Ulf Göransson
(Uppsala, SWE)

P10.15 (P108): TLR CD180 amplifies altered complement receptor expression profile of B cells in diffuse cutaneous systemic sclerosis

Judit Rapp, Szabina Erdő-Bonyár, Rovéna Subicz, Katalin Böröcz, Dávid Szinger, Kristóf Filipánits, Tünde Minier, Gábor Kumánovics, László Czirják, Tímea Berki, Diána Simon
 (Pécs, HU)

P10.16 (P109): Developing a 3D organoid-based model to study maternal-fetal tolerance in systemic lupus erythematosus

W. Dankers, J.F. van Ruitenbeek, G. Shbli, T. Brinker, M.A. de Boer, I.E.M. Bultink, L.G.M. van Baarsen
 (Amsterdam, NL)

P10.17 (P110): B-cell activation via tlr homologue cd180 augments type i interferon signaling in patients with systemic sclerosis

Szabina Erdő-Bonyár, Judit Rapp, Rovéna Subicz, Kristóf Filipánits, Tünde Minier, Gábor Kumánovics, László Czirják, Tímea Berki, Diána Simon
 (Pécs, HU)

P10.18 (P111): Comparison of the age related changes of natural- and pathological autoantibodies in a murine model of lupus and human SLE

Szonja Gál, Dávid Szinger, Katalin Olasz, Tímea Berki, Katalin Böröcz, Ferenc Boldizsár
 (Pécs, HU)

P10.19 (P112): Breaking Tolerance: The Interplay of Natural and Pathological Autoantibodies in Immune Dysregulation

Dávid Szinger, Katalin Böröcz, Szabina Erdő-Bonyár, Diána Simon, Péter Németh, Tímea Berki
 (Pécs, HU)

P10.20 (P113): Inhibition of complement activation abolishes dermo-epidermal separation in human ex vivo model of bullous pemphigoid

Tamás Soma Szalay, Barbara Uzonyi, Mihály Józsi, Zoltán Prohászka, Miklós Sárdy, Attila Mócsai and Simon Vikár
 (Budapest, HU)

Poster tour 11: AUTOIMMUNITY

Chairs: Günter Steiner, Xenofon Baraliakos

P11.01 (P128): Pitfalls in the detection of AMPA cross-reactivity: comparing cyclic peptide to protein-based assays

Aegli Athanasiadou, Roxane Biersteker, Stef van der Meulen, Tineke J. Wesemael, Linda M. Slot, Theresa Kissel, René Toes, Leendert A. Trouw, Diane van der Woude
(Leiden, NL)

P11.02 (P129): Unique serological profile of IgM anti-acetylated protein antibodies: insights into the initial phases of autoantibody responses in Rheumatoid arthritis

Athanasiadou A, van Wesemael TJ, Slot LM, van der Keur C, Eikmans M, Rantapää-Dahlqvist S, Toes REM, van der Woude D
(Leiden, NL)

P11.03 (P130): Evaluation of CXCL13 serum levels in a cohort of patients with systemic lupus erythematosus with a clinical history of arthritis

Alessia Caproli, Eleonora Pazzi, Paolo Airò, Franco Franceschini, Micaela Fredi, Silvia Piantoni
(Brescia, IT)

P11.04 (P131): A Hungarian multicentric study of anti-MDA5 positive myositis patients

Sándor Mogyoróssy, Zoltán Griger, Tünde Tarr, Éva Zöld, György Pfliegler, György Nagy, Károly Zsolt Mangel, Gábor Kumánovics, Rita Bakai, László Kovács, Adrienn Rideg, Edit Nagy, Orsolya Farkas, Sarah Tansley, Hui Lu, Gabriella Szűcs, Szilvia Szamosi, Zoltán Szekanecz, Levente Bodoki
(Debrecen, HU)

P11.05 (P132): Autoantibody changes during subclinical transition between remission and flare in rheumatoid arthritis during drug-free follow-up

Emanuele Bozzalla Cassione, Garifallia Sakellariou, Blerina Xoxi, Terenzj Luvaro, Ylenia Sammali, Rossi Silvia, Serena Bugatti, Carlomaurizio Montecucco, Antonio
(Pavia, IT)

P11.06 (P133): Significant decline in anti-collagen type II levels over the first year in early RA is associated with lower disease activity after five years

Carl Turesson, Anna Svanqvist, Christine Möller Westerberg, Lennart TH Jacobsson, Johan Rönnelid
(Malmö, SWE)

P11.07 (P134): Potential Biomarkers of Muscle Involvement in Idiopathic Inflammatory Myopathies: Nuclear and Mitochondrial Cell-Free DNA

Kristina Svobodová, Sabína Oreská, Lucia Vernerová, Dana Dlouhá, Hana Wünsch, Karel Pavelka, Jiří Vencovský, Ladislav Šenolt, Michal Vrablík, Jaroslav Alois Hubáček, Michal Tomčík
(Prague, CZ)

P11.08 (P135): Reduction in elevated serum IL-40 levels after 3 months of TNF inhibitor therapy as a potential predictor of one-year clinical improvement in rheumatoid arthritis patients

Lucie Andrés Cerezo, Jiří Baloun, Adéla Navrátilová, Tereza Kropáčková, Karel Pavelka, Jiří Vencovský, Ladislav Šenolt
(Prague, CZ)

P11.09 (P136): A novel humanized mouse model to study rheumatoid arthritis-associated anti-citrulline T cell reactivity

Marlene Schülein, Diego Velasquez-Pulgarin, Bence Réthi, Fredrik Wermeling, Anatoly Dubnovitsky, Aaron Winkler, Lars Klareskog, Alexander Espinosa, Vivianne Malmström and Bruno Raposo
(Solna, SWE)

P11.10 (P137): Dissecting the immune response that underscores eosinophilic granulomatosis with polyangiitis and its therapy

Raquel Lorenzetti, Christos Aronis, Jens Thiel, Matteo Villa
(Graz, AT)

P11.11 (P138): Identifying potential diagnostic and therapeutic targets in plasma of newly-diagnosed, DMARD-naïve rheumatoid arthritis patients

Nuder Nower Nizam, Bennie Van Heeswijk, Sara Parsa, Anne-Marie Mus-Otten, Nadine Davelaar, Pascal H.P. de Jong, Erik Lubberts
(Rotterdam, NL)

P11.12 (P139): Characterization of the protein corona surrounding extracellular vesicles in rheumatoid arthritis

Panna Királyhidi, András Försönits, Júlia Opra, Zsuzsanna Adamecz, Caroline Grönwall, Lars Klareskog, Dániel Szabó, László Drahos, Karl Axel Filip Nilsson, Lilla Gunkl-Tóth, Tamás Visnovitz, Edit Buzás, György Nagy
(Budapest, HU)

P11.13 (P140): Clinical and laboratory differences in pediatric-onset versus adult-onset lupus nephritis: a retrospective cohort analysis

Joanna Kosałka-Węgiel, Radosław Dziedzic, Andżelika Siwiec-Kozlik, Magdalena Spałkowska, Lech Zaręba, Stanisława Bazan-Socha, Mariusz Korkosz
(Kraków, PL)

P11.14 (P141): Plasma OLINK analysis indicates tissue-specific response in myositis subtypes

Yue-Bei Luo, Josefin Kenrick, Antonella Notarnicola, Angeles S Galindo-Feria, Valerie Leclair, Maryam Dastmalchi, Karin Lodin, Eveline Van Gompel, Lara Dani, Lina-Marcela Diaz-Gallo, Charlotta Preger, María Bueno Alvez, Mathias Uhlén, Peter Nilsson, Fredrik Edfors, Elisa Pin, Ingrid E Lundberg, Begum Horuluoglu
(Solna, SWE)

P11.15 (P142): Effect of tofacitinib therapy on tumour-associated antigens in rheumatoid arthritis

Enikő Sebestyén, Dóra Csige, Péter Antal-Szalmás, Ágnes Horváth, Edit Végh, Boglárka Soós, Zsófia Pethő, Nóra Bodnár, Attila Hamar, Levente Bodoki, Róza Földesi, Edit Kalina, Gábor Nagy, György Kerekes, Béla Nagy, Katalin Hodosi, Szilvia Szamosi, Péter Árkosy, Gabriella Szűcs, Zoltán Szekanecz, Éva Szekanecz
(Debrecen, HU)

P11.16 (P143): Flow cytometric analysis of SLE-derived PBMCs investigating the effect of Baricitinib upon IL-6 or IL-15 stimulations

Attila Balog, Nikolett Gémes, Enikő Szabó, Patrícia Neuperger, József Á. Balog, Gabor J. Szebeni and Gergely Toldi
(Szeged, HU)

P11.17 (P144): The association between systemic inflammation as measured by calprotectin, ESR or CRP and autoantibody status in rheumatoid arthritis

Caroline Grönwall, Linda Mathsson Alm, Helga Westerlind, Nasim Ghasemzadeh, Siri Lillegraven, Espen Haavardsholm, Tore K. Kvien, Tue Wenzel Kragstrup, Johan Rönnelid, Hilde Berner Hammer, Swedish Rheumatology Quality Register Biobank Study Group (SRQb), Johan Askling
(Solna, SWE)

P11.18 (P145): TNF-Specific Affibody: A Novel PET/CT Candidate Tracer for Imaging Rheumatoid Arthritis

E.M.L. Philippon, M.M Steinz, F. Khodadust, T.L. van de Watering, J.P. van Hamburg, O. Wegrzyniak, J. Löfblom, O. Eriksson, S.W. Tas and C.J. van der Laken
(Amsterdam, NL)

P11.19 (P146): Polymyalgia rheumatica and giant cell arteritis induced by immune checkpoint inhibitors: a systematic review and meta-analysis revealing key differences with the idiopathic forms

Elvis Hysa, Andrea Casabella, Emanuele Gotelli, Rosanna Campitiello, Carlo Genova, Enrica Teresa Tanda, Carmen Pizzorni, Alberto Sulli, Vanessa Smith, Marco Amedeo Cimmino, Sabrina Paolino, Maurizio Cutolo
(Genova, IT)

P11.20 (P147): Mass Cytometry Analysis of Mucosal Immune Phenotypes and Ex-Vivo Phosphorylation in Systemic Lupus Erythematosus

Adrián Barreno Sánchez, Axel R. Schulz, Heike Hirseland, Paulina Rybakowska, Concepción Marañón Lizana, Anne Beenken, Marta E. Alarcon Riquelme, Tobias Alexander, Henrik E. Mei, Hyun-Dong Chang
(Berlin, DE)

P11.21 (P148): Alterations in systemic and skeletal muscle myostatin regulation in inflammatory myopathies are more pronounced at the disease onset

Lucia Vernerová, Lucie Lážnovská, Martina Vokurková, Jiří Baloun, Martin Klein, Heřman Mann, Sabína Oreská, Michal Tomčík, Tereza Kropáčková, Veronika Horváthová, Jozef Ukropec, Barbara Ukropcová, Jiří Vencovský
(Prague, CZ)

P11.22 (P149): Plasma Levels of miR-133a-3p and miR-1-3p as Potential Biomarkers of Muscle Involvement and Initial Treatment Response in Idiopathic Inflammatory Myopathies

Kristina Svobodová, Sabína Oreská, Lucia Vernerová, Dana Dlouhá, Hana Wünsch, Karel Pavelka, Jiří Vencovský, Ladislav Šenolt, Michal Vrablík, Jaroslav Alois Hubáček, Michal Tomčík
(Prague, CZ)

Poster tour 12: AUTOINFLAMMATION

Chairs: Sinisa Savic, Szilvia Szamosi

P12.01 (P170): **Interleukin-40 in hyperuricemia and gout**

Blanka Stiburkova, Jana Mašínová, Andrés Cerezo L, Alquicer G, Navrátilová A, Pavlíková M, Šenolt L
(Prague, CZ)

P12.02 (P171): **Identification of novel candidate T cell autoantigens in Rheumatoid Arthritis (RA) through autoantibody profiling of sera from individuals at risk of RA**

Elizabeth Pook, Kathryn Steel, Gabrielle Harker, Sumera Qureshi, Esperanza Perucha, Madeleine Jennings, Karl Skriner, Andrew Cope
(London, UK)

P12.03 (P172): **The Dynamics of Neutrophil Extracellular Traps in Patients with Rheumatoid Arthritis Treated with Anti-Cytokine Therapies**

Emőke Šteňová, Kristína Macáková, Vanda Mlynáriková, Barbora Vlková, Peter Celec
(Bratislava, SK)

P12.04 (P173): **Targeting Neutrophil Extracellular Traps in Collagen-Induced Arthritis**

Kristína Macáková, Veronika Borbélyová, Vanda Mlynáriková, Emőke Šteňová, Barbora Vlková, Peter Celec
(Bratislava, SK)

P12.05 (P174): **Differential hyperinflammatory profiles of monocyte subsets in RA and PsA patients**

Niamh O'Dowd, Dumitru Anton, Sonia Sundamun, Hannah Darcy, Carl Orr, Douglas Veale, Ursula Fearon, Viviana Marzaioli
(Dublin, IRL)

P12.06 (P175): **Cartilage oligomeric matrix protein induces the production of inflammatory mediators by myeloid cells**

Jan Devan, Tamara Mengis, Irina Heggli, Pamela Bitterli, Nick Herger, Celina Geiss, Marija Lugar, Caroline Ospelt, Muriel Elhai, Camino Calvo Cebrian, Felipe Hatt, Danilo Menghini Oliver Distler, Stefan Dudli
(Zurich, CH)

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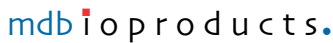
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