Scientific Program
Scientific Program

**DAY 1 | Thursday | March 2, 2017**

**10:00-18:00** Ground Floor Main Entrance (Syngrou Avenue): **Registration Desk**

Arrival-Registration

**13:00-16:00** Study Group Sessions

**13:00-14:00** Hall: Conference Hall

Study Group: ESSG
Chairs: João Fonseca & Bernard Lauwerys

**13:00-14:00** Hall: Meeting Room

Study Group: GCTSG
Chair: Christian Jorgensen

**14:00-15:00** Hall: Meeting Room

Study Group: SGOA C A N C E L L E D
Chair: Peter van der Kraan

**14:00-16:00** Hall: Conference Hall

Study Group: ECFSG
Chair: Johan Rönnelid

**16:00-16:30** Hall: 1st Floor Peristyle (Auditorium Lobby)

Coffee Break

**16:30-16:40** Hall: Auditorium

Opening Remarks EWRR 2017
Dimitrios Boumpas & Panayotis Verginis
**Workshop I: Crossroads in Innate and Adaptive Immunity**

Chairs: Pierre Miossec & Dominique Baeten

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:40-17:10</td>
<td>Dendritic cells shape the Th1/Th17 cells: implications for autoimmune inflammation. Federica Sallusto</td>
</tr>
<tr>
<td>17:10-17:40</td>
<td>Trained immunity: Implications for immune inflammation. Niels Riksen</td>
</tr>
</tbody>
</table>

**Oral Presentations**

**Topic I: Crossroads in innate and adaptive immunity**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>17:40-17:50</td>
<td>In rheumatoid arthritis synovitis is not dominated by polymorphiclocal, but rather by uniform systemic T-cell responses</td>
<td>Anne Musters</td>
</tr>
<tr>
<td>17:50-18:00</td>
<td>Fra-1 transcription factor expression in macrophages foster inflammation during rheumatoid arthritis development</td>
<td>Nicole Hannemann</td>
</tr>
<tr>
<td>18:00-18:10</td>
<td>Novel mechanism mediated by the IL23/Th17 axis contributing to auto-immune arthritis</td>
<td>René Pfeifle</td>
</tr>
</tbody>
</table>

**Special Lecture**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>18:10-18:40</td>
<td>Genetic and epigenetic influences of the stress response on the immune system</td>
</tr>
</tbody>
</table>

**Opening Ceremony**

**EWRR Meritorious Service Award**

Chairs: Dimitrios Boumpas & Panayotis Verginis

Awarded to:

Gabriel Panayi  
Haralampos Moutsopoulos

**Opening Lecture**

Chairs: Dimitrios Boumpas & Petros Sfikakis

Mesenchymal causalities in the pathogenesis of Rheumatoid Arthritis and Comorbidities  
George Kollias

**Networking Dinner at Eugenides Foundation**
Scientific Program

**DAY 2 | Friday | March 3, 2017**

07:30-08:30 Hall: 1st Floor Peristyle (Auditorium Lobby)

Poster Mounting for Day 1

08:30-10:00 Hall: Auditorium

**Workshop II: New players and Novel Targets in Inflammation**

Chairs: Florence Apparailly & Vassilis Souliotis

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>Nektarios Tavernarakis</td>
<td>Mitochondrial biogenesis and clearance in health and disease</td>
</tr>
<tr>
<td>09:00</td>
<td>Vasilis Ntziachristos</td>
<td>Portable, noninvasive, contrast free molecular imaging in inflammation</td>
</tr>
</tbody>
</table>

**Oral Presentations**

**Topic II: New players and novel targets in inflammation**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:30</td>
<td>Elisabeth Gilis</td>
<td>The paracaspase MALT1 plays a central role in the pathogenesis of Rheumatoid Arthritis</td>
</tr>
<tr>
<td>09:40</td>
<td>Marie-Astrid Boutet</td>
<td>IL-38 overexpression induces anti-inflammatory effects in mice arthritis models and in human macrophages in vitro</td>
</tr>
<tr>
<td>09:50</td>
<td>Karlijn Debusschere</td>
<td>Intestinal overexpression of human TNF triggers sacro-iliitis</td>
</tr>
</tbody>
</table>

10:00-10:30 Hall: 1st Floor Peristyle (Auditorium Lobby)

Coffee Break and Poster Viewing
### Workshop III: Immune Regulation and Immunotherapy

**Chairs:** Villy Panoutsakopoulou & John Isaacs

#### 10:30-12:00

**10:30-11:00**  
Immunoregulation without immunosuppression: the promises of low dose IL2.  
David Klatzmann

**11:00-11:30**  
Autophagy in the regulation of autoimmune responses.  
Panayotis Verginis

### Oral Presentations  
**Topic III: Immune regulation**

**11:30-11:40**  
TNFR2+ regulatory T cells subpopulations are highly suppressive and are increased on anti-TNF treatment  
Natacha Bessis

**11:40-11:50**  
Synovial tissue of RA patients in remission contains a unique population of regulatory macrophages  
Mariola Kurowska-Stolarska

**11:50-12:00**  
Transcriptomic analysis of plasmacytoid dendritic cells from Rheumatoid Arthritis patients reveals novel targets for therapy  
Garyfalia Papadaki

#### 12:00-13:00

**Hall: 1st Floor Peristyle (Auditorium Lobby)**

**Lunch Break and Poster Viewing**

#### 13:00-14:00

**Hall: 1st Floor Peristyle (Auditorium Lobby)**

**Poster Tour Day 1 (Topics I-IV)**
Scientific Program

**DAY 2 | Friday | March 3, 2017**

---

### Workshop IV: Pathogenic Stroma

**Chairs:** Jean-Michel Dayer & Christian Jorgensen

**14:00-15:00**

**Hall: Auditorium**

**14:00-14:30**

The role of inflammatory Stroma in Autoimmune Diseases  
Burkhard Ludewig

**14:30-15:00**

Stromal Cells in Chronic Inflammation  
Christopher D. Buckley

---

### Oral Presentations

**Topic IV: Pathogenic stroma**

**15:00-15:10**

MicroRNA-146a controls local bone destruction by regulating fibroblast induced osteoclastogenesis in inflammatory arthritis  
Victoria Saferding

**15:10-15:20**

Hypoxia and rheumatoid phenotype prevent synovial fibroblasts from suppressing T helper cell proliferation through IDO1-mediated tryptophan metabolism  
Nathalie-Christin Kaul

**15:20-15:30**

TNF/TnfR2 signaling in mesenchymal cells of joints and aortic heart valves is aetiopathogenic for comorbid Arthritis and Heart Valve Disease developing in the TNFΔARE/+ mouse model  
Maria Sakkou

---

**17:00**

Acropolis Museum Guided Tour & Networking Dinner
<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00-09:00</td>
<td>1st Floor Peristyle (Auditorium Lobby)</td>
<td>Poster Mounting for Day 2</td>
</tr>
<tr>
<td>09:00-10:30</td>
<td>Auditorium</td>
<td><strong>Workshop V: Omics</strong>&lt;br&gt;Chairs: Emmanouil Dermitzakis &amp; George Bertsias</td>
</tr>
<tr>
<td>09:00-09:30</td>
<td></td>
<td>The Genomic Landscapes of Inflammation&lt;br&gt;Gioacchino Natoli</td>
</tr>
<tr>
<td>09:30-10:00</td>
<td></td>
<td>The Genetic Architecture of the Immune System in Systemic Lupus Erythematosus&lt;br&gt;Timothy Vyse</td>
</tr>
<tr>
<td>10:00-10:10</td>
<td></td>
<td>Oral Presentations&lt;br&gt;Topic V: Omics&lt;br&gt;Systematic profiling of mouse synovial fibroblasts during TNF-driven arthritogenesis and alignments to human rheumatoid arthritis&lt;br&gt;Evangelos Ntougkos</td>
</tr>
<tr>
<td>10:10-10:20</td>
<td></td>
<td>Increased Turnover of Monocytes in Patients with Rheumatoid Arthritis Identified by Transcriptome and Cytometric Profiling&lt;br&gt;Biljana Smiljanovic</td>
</tr>
<tr>
<td>10:20-10:30</td>
<td></td>
<td>Antisense long noncoding RNAs are deregulated in skin tissue of SSc patients&lt;br&gt;Fina Kurreeman</td>
</tr>
<tr>
<td>10:30-11:00</td>
<td>1st Floor Peristyle (Auditorium Lobby)</td>
<td>Coffee Break and Poster Viewing</td>
</tr>
</tbody>
</table>
Scientific Program

DAY 3 | Saturday | March 4, 2017

**Workshop VI: Novel Technologies**
Chairs: Thomas Häupl & Guenter Steiner

11:00-11:30 Nanoparticle based immunotherapy
Pere Santamaria

11:30-12:00 Organ on-a-chip
Katia Karalis

**Oral Presentations**
Topic VI: Novel technologies

12:00-12:10 Mesenchymal stem cell-derived exosomes and microvesicles exert similar immunomodulatory effect in collagen-induced arthritis
Danièle Noël

12:10-12:20 Naturally Processed Topoisomerase I Peptides presented by dendritic cells identify Immunodominant T cell Epitopes in Systemic Sclerosis
Eleni Tiniakou

12:20-12:30 Platelet-derived CLEC-2 and its ligand podoplanin (Gp38) inhibit synovial inflammation
Guillaume Desanti

**Lunch Break and Poster Viewing**

12:30-13:30 Hall: 1st Floor Peristyle (Auditorium Lobby)

**Meeting of the International Advisory Board**

13:30-14:30 Hall: 1st Floor Peristyle (Auditorium Lobby)

**Poster Tour Day 2 (Topics V-VIII)**
### Workshop VII: Genes and Environment

**Chairs:** Frederique Ponchel & Cem Gabay

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:30-15:00</td>
<td>Genes and Environment in Rheumatoid Arthritis: What have learned? Lars Klareskog</td>
</tr>
</tbody>
</table>

**Oral Presentations**

**Topic VII: Genes and environment**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:00-15:10</td>
<td>A multi-parameter response prediction model for rituximab in Rheumatoid Arthritis</td>
<td>Tamarah de Jong</td>
</tr>
<tr>
<td>15:10-15:20</td>
<td>SMOC2, a secreted calcium-binding protein affects chondrogenic differentiation of precursor cells and homeostasis of cartilage</td>
<td>Tine Peeters</td>
</tr>
<tr>
<td>15:20-15:30</td>
<td>The mutated RNA splicing protein hnRNP-A3 is a novel autoantigen in systemic rheumatic diseases a link to Warburg effect in RA</td>
<td>Karl Skriner</td>
</tr>
</tbody>
</table>

### Coffee Break

**Hall: 1st Floor Peristyle (Auditorium Lobby)**

### Workshop VIII: Connective Tissue Diseases and Vasculitis

**Chairs:** Ingrid Lundberg & Dimitrios Vassilopoulos

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:00-16:30</td>
<td>Inflammatory Myopathies: Novel mechanisms and phenotypes</td>
</tr>
<tr>
<td>16:30-17:00</td>
<td>Lung morphogenesis and response to injury: Implications for the immune mediated lung injury</td>
</tr>
</tbody>
</table>

**Oral Presentations**

**Topic VIII: Connective Tissue Diseases and Vasculitis**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>17:00-17:10</td>
<td>Circulating exosomes play a role in the regulation of human in vitro osteoclastogenesis</td>
<td>Nikolett Marton</td>
</tr>
<tr>
<td>17:10-17:20</td>
<td>Understanding aberrant IL-6 mediated CD4+ T-cell signalling in early rheumatoid arthritis</td>
<td>Laura Ridgley</td>
</tr>
<tr>
<td>17:20-17:30</td>
<td>Dominant B-cell receptor clones in peripheral blood predict onset of arthritis in individuals at risk for rheumatoid arthritis</td>
<td>Marieke Doorenspleet</td>
</tr>
</tbody>
</table>
Scientific Program

DAY 3 | Saturday | March 4, 2017

17:30-18:00   Hall: Auditorium

Closing Lecture
Chairs: Dimitrios Boumpas & Panayotis Verginis

Transcriptomic analysis of complex diseases
Emmanouil Dermitzakis

18:00-18:30   Hall: Auditorium

Awards and closing remarks, Announcement about the 38th EWRR

20:00

Networking Dinner at Gazarte