Caroline Ospelt

Country: Switzerland

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Year of birth: 1974

Main diplomas:
MD: 2003, Austria
Doctoral Thesis: “Time course of coagulation parameters, cytokines and adhesion molecules in Plasmodium falciparum malaria.”

Current position and hospital/university:
Postdoctoral research fellow, Center of Experimental Rheumatology, University Hospital Zürich, Switzerland

Position within EULAR/international experience:
- EMEUNET member
- International experience: medical training in Austria, ERASMUS exchange semester, Barcelona, Spain; practical medical training (3 month), Pretoria, South Africa; postdoctoral fellowship, Zürich, Switzerland

Areas of Research/Interest:
Synovial fibroblasts in Rheumatoid Arthritis
Epigenetics and microRNA
Innate immune system

Select Publications:

1. **Ospelt C**, Brentano F, Jüngel A, Rengel Y, Kolling C, Michel BA, Gay RE, Gay S: Expression, regulation, and signaling of the pattern-recognition receptor nucleotide-binding oligomerization domain 2 in rheumatoid arthritis synovial fibroblasts. Arthritis Rheum. 2009 Feb;60(2):355-63.

2. **Ospelt C**, Brentano F, Rengel Y, Stanczyk J, Kolling C, Tak PP, Gay RE, Gay S, Kyburz D: Overexpression of toll-like receptors 3 and 4 in synovial tissue from patients with early rheumatoid arthritis: toll-like receptor expression Arthritis Rheum. 2008 Dec;58(12):3684-92.

3. **Ospelt C**, Kurowska-Stolarska M, Neidhart M, Michel BA, Gay RE, Laufer S, Gay S: The dual inhibitor of lipoxygenase and cyclooxygenase ML3000 decreases the expression of CXCR3 ligands. Ann Rheum Dis. 2008 Apr;67(4):524-9.

4. Jüngel A, **Ospelt C**, Lesch M, Thiel M, Sunyer T, Schorr O, Michel BA, Gay RE, Kolling C, Flory C, Gay S, Neidhart M. Effect of the oral application of a highly selective MMP-13 inhibitor in three different animal models of rheumatoid arthritis. Ann Rheum Dis. 2009 Jun 3. [Epub ahead of print]

5. Brentano F, **Ospelt C**, Stanczyk J, Gay RE, Gay S, Kyburz D. Abundant expression of the interleukin (IL)23 subunit p19, but low levels of bioactive IL23 in the rheumatoid synovium: differential expression and Toll-like receptor-(TLR) dependent regulation of the IL23 subunits, p19 and p40, in rheumatoid arthritis. Ann Rheum Dis. 2009 Jan;68(1):143-50.