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Small GTPases : emerging targets in rheumatoid arthritis

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List of publications

Abreu JRF, Grabiec AM, Krausz S, Spijker R, Burakowski T, Maslinski W, Eldering E, Tak PP and Reedquist KA. The presumed hyporesponsive behaviour of rheumatoid arthritis T lymphocytes can be attributed to spontaneous ex vivo apoptosis rather than defects in T cell receptor signaling. *The Journal of Immunology*, July 2009, 183(1):621-630

Abreu JRF, deLaunay D, Sanders ME, Grabiec AM, Sande M, Tak PP and Reedquist KA. The Ras guanine nucleotide exchange factor RasGRF1 promotes MMP-3 production in rheumatoid arthritis synovial tissue. *Arthritis Research and Therapy*, August 2009, 11(4):R121

Abreu JRF, Krausz S, Dontje W, Grabiec AM, deLaunay D, Nolte MA, Tak PP and Reedquist KA. Sustained T cell Rap1 signaling protects mice against collagen-induced arthritis. *Submitted for publication*

Abreu JRF, deLaunay D, van Hennik PB, van Stalborgh AM, ten Klooster JP, Sanders ME, Reedquist KA, Vervoordeldonk MJ, Hordijk PL and Tak PP. A Rac1 inhibitory peptide suppresses antibody production and paw swelling in the murine collagen-induced arthritis model of rheumatoid arthritis. *Submitted for publication*

deLaunay D, Vreijling J, **Abreu JRF**, van Maanen MA, Sanders ME, Oerum H, Vervoordeldonk MJ, Fluiters K, Tak PP and Reedquist KA. Silencing expression of Ras family GTPase homologues decreases inflammation and joint destruction in experimental arthritis. *Submitted for publication*

Unger WW, Velthuis JH, **Abreu JRF**, Laban S, Quinten E, Kester M, Hadrup SR, Bakker AH, Duinkerken G, Eijssink C, Mulder A, Franken K, Hilbrands R, Keymeulen B, Pipeleers DG, Peakman M, Ossendorp F, Drijfhout JW, Schumacher TN and Roep BO. Discovery of low-affinity preproinsulin epitopes and detection of autoreactive CD8+ T cells using combinatorial MHC multimers. *Submitted for publication*

Velthuis JH, Unger WW, **Abreu JRF**, Duinkerken G, Franken K, Peakman M, Bakker AH, Reker-Hadrup S, Keymeulen B, Pipeleers D, Drijfhout JW, Schumacher TN and Roep BO. Simultaneous detection of circulating CD8+ T cells specific for HLA-A2

List of publications

restricted islet cell-associated epitopes using multidimensional encoded MHC multimers. *Submitted for publication*