

RIKARD HOLMDAHL PUBLICATIONS 2016**Peer reviewed articles**

1. Andersson SEM, Eneljung T, Tengvall S, Jirholt P, Stern A, Henningsson L, Liang B, Thorarinsdottir K, Kihlberg J, Holmdahl R, Martensson IL, Gustafsson K, Gjertsson I. Collagen epitope expression on B cells is sufficient to confer tolerance to collagen-induced arthritis. *Arthritis Research & Therapy* 2016; 18.
2. Backlund A, Johansson M, Ria M, Ketelhuth DF, Tsikrika P, Chernogubova E, Jin H, Backlund J, Eriksson P, Maegdefessel L, Holmdahl R, Hansson GK, Hamsten A. Accelerated atherosclerosis in the context of rheumatoid arthritis. *European Journal of Immunology* 2016; 46: 440-441.
3. Brink M, Hansson M, Mathsson-Alm L, Wijayatunga P, Verheul MK, Trouw LA, Holmdahl R, Ronnelid J, Klareskog L, Rantapaa-Dahlqvist S. Rheumatoid factor isotypes in relation to antibodies against citrullinated peptides and carbamylated proteins before the onset of rheumatoid arthritis. *Arthritis Research & Therapy* 2016; 18.
4. Chemin K, Albrecht I, Pollastro S, de Vries N, Holmdahl R, Malmstrom V. Is citrullination required for the presence of restricted clonotypes reacting with type II collagen? Comment on the article by Chemin et al Reply. *Arthritis & Rheumatology* 2016; 68: 2053-2054.
5. Chemin K, Pollastro S, James E, Ge CR, Albrecht I, Herrath J, Gerstner C, Tandre K, Rizzi TS, Ronnblom L, Catrina A, Holmdahl R, Klareskog L, de Vries N, Malmstrom V. A Novel HLA-DRB1*10:01-Restricted T Cell Epitope From Citrullinated Type II Collagen Relevant to Rheumatoid Arthritis. *Arthritis & Rheumatology* 2016; 68: 1124-1135.
6. Eriksson K, Lonnblom E, Tour G, Kats A, Mydel P, Georgsson P, Hultgren C, Kharlamova N, Norin U, Jonsson J, Lundmark A, Hellvard A, Lundberg K, Jansson L, Holmdahl R, Yucel-Lindberg T. Effects by periodontitis on pristane-induced arthritis in rats. *Journal of Translational Medicine* 2016; 14.
7. Guerard S, Boieri M, Hultqvist M, Holmdahl R, Wing K. The SKG Mutation in ZAP-70 also Confers Arthritis Susceptibility in C57 Black Mouse Strains. *Scandinavian Journal of Immunology* 2016; 84: 3-11.
8. Guerard S, Holmdahl R, Wing K. Reactive Oxygen Species Regulate Innate But Not Adaptive Inflammation in ZAP70-Mutated SKG Arthritic Mice. *American Journal of Pathology* 2016; 186: 2353-2363.
9. Guerard S, Holmdahl R, Wing K. Macrophage derived ROS regulate arthritis and psoriasis-like dermatitis in ZAP deficient SKG mice. *European Journal of Immunology* 2016; 46: 71-71.
10. Hagert C, Sareila O, Jalkanen S, Holmdahl R. Mannose receptor (MR) have a protective role in mannan induced psoriasis (MIP). *European Journal of Immunology* 2016; 46: 899-899.

11. Hagert C, Sareila O, Jalkanen S, Holmdahl R. Mannose receptor (MR) have a protective role in mannan induced psoriasis (MIP). *Scandinavian Journal of Immunology* 2016; 83: 352-353.
12. Heyder T, Kohler M, Tarasova NK, Haag S, Rutishauser D, Rivera NV, Sandin C, Mia S, Malmstrom V, Wheelock AM, Wahlstrom J, Holmdahl R, Eklund A, Zubarev RA, Grunewald J, Ytterberg AJ. Approach for Identifying Human Leukocyte Antigen (HLA)-DR Bound Peptides from Scarce Clinical Samples. *Molecular & Cellular Proteomics* 2016; 15: 3017-3029.
13. Holmdahl R, Sareila O, Olsson LM, Backdahl L, Wing K. Ncf1 polymorphism reveals oxidative regulation of autoimmune chronic inflammation. *Immunological Reviews* 2016; 269: 228-247.
14. Klocke K, Sakaguchi S, Holmdahl R, Wing K. Induction of autoimmune disease by deletion of CTLA-4 in mice in adulthood. *European Journal of Immunology* 2016; 46: 770-770.
15. Klocke K, Sakaguchi S, Holmdahl R, Wing K. Induction of autoimmune disease by deletion of CTLA-4 in mice in adulthood. *Proceedings of the National Academy of Sciences of the United States of America* 2016; 113: E2383-E2392.
16. Lan X, Yan JD, Ren J, Zhong B, Li J, Li Y, Liu L, Yi J, Sun QZ, Yang XD, Sun J, Meng LS, Zhu WH, Holmdahl R, Li DM, Lu SM. A Novel Long Noncoding RNA Lnc-HC Binds hnRNPA2B1 to Regulate Expressions of Cyp7a1 and Abca1 in Hepatocytic Cholesterol Metabolism. *Hepatology* 2016; 64: 58-72.
17. Li XG, Hagert C, Siitonen R, Virtanen H, Sareila O, Liljenback H, Tuisku J, Knuuti J, Bergman J, Holmdahl R, Roivainen A. F-18-Labeling of Mannan for Inflammation Research with Positron Emission Tomography. *Acs Medicinal Chemistry Letters* 2016; 7: 826-830.
18. Peleli M, Zollbrecht C, Montenegro MF, Hezel M, Zhong JH, Persson EG, Holmdahl R, Weitzberg E, Lundberg JO, Carlstrom M. Enhanced XOR activity in eNOS-deficient mice Effects on the nitrate-nitrite-NO pathway and ROS homeostasis. *Free Radical Biology and Medicine* 2016; 99: 472-484.
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20. Raposo B, Merky P, Yamada H, Niaudet C, Urbonaviciute V, Pinto S, Kyewski B, Holmdahl R, Backlund J. T cells specific for posttranslational modifications escape negative selection in thymus. *European Journal of Immunology* 2016; 46: 807-807.
21. Rosendahl S, Hagert C, Sareila O, Holmdahl R. beta-glucan induces reactive oxygen species (ROS) dependent splenomegaly in mice. *Scandinavian Journal of Immunology* 2016; 83: 356-356.
22. Saevarsdottir S, Klareskog L, Hansson M, Eriksson J, Johannesson M, Holmdahl R, Skriner K, Serre G, Mathsson-Alm L, van Vollenhoven RF, van der Woude D, Allaart

- R, Alfredsson L, McInnes I, Ronnelid J, Askling J. Do specific ACPAs or other autoantibodies in a novel assay predict response to methotrexate monotherapy in patients with early and DMARD-naive RA? *Scandinavian Journal of Rheumatology* 2016; 45: 19-19.
23. Sareila O, Hagert C, Xu BZ, Urbonaviciute V, Backlund J, Holmdahl R. NOX2-derived ROS are not necessary during disease priming to protect from experimental autoimmune arthritis. *Scandinavian Journal of Immunology* 2016; 83: 363-363.
24. Shakya AK, Kumar A, Holmdahl R, Nandakumar KS. Macrophage-derived reactive oxygen species protects against autoimmune priming with a defined polymeric adjuvant. *Immunology* 2016; 147: 125-132.
25. Tengvall S, Eneljung T, Jirholt P, Turesson O, Wing K, Holmdahl R, Kihlberg J, Stern A, Martensson IL, Henningsson L, Gustafsson K, Gjertsson I. Gene Therapy Induces Antigen-Specific Tolerance in Experimental Collagen-Induced Arthritis. *Plos One* 2016; 11.
26. Tuncel J, Haag S, Hoffmann MH, Yau ACY, Hultqvist M, Olofsson P, Backlund J, Nandakumar KS, Weidner D, Fischer A, Leichsenring A, Lange F, Haase C, Lu S, Gulko PS, Steiner G, Holmdahl R. Animal Models of Rheumatoid Arthritis (I): Pristane-Induced Arthritis in the Rat. *Plos One* 2016; 11.
27. Vaartjes D, Raposo B, Nandakumar KS, Holmdahl R. Increased salt exposure affects both lymphoid and myeloid effector functions, influencing antibody-induced arthritis but not autoimmunity. *European Journal of Immunology* 2016; 46: 902-902.
28. Wigerblad G, Bas DB, FERNANDES-CERQUEIRA C, Krishnamurthy A, Nandakumar KS, Rogoz K, Kato J, Sandor K, Su J, Jimenez-Andrade JM, Finn A, Farinotti AB, Amara K, Lundberg K, Holmdahl R, Jakobsson PJ, Malmstrom V, Catrina AI, Klareskog L, Svensson CI. Autoantibodies to citrullinated proteins induce joint pain independent of inflammation via a chemokine-dependent mechanism. *Annals of the Rheumatic Diseases* 2016; 75: 730-738.
29. Winter S, Hopkins MH, Laulund F, Holmdahl R. A Reduction in Intracellular Reactive Oxygen Species Due to a Mutation in NCF4 Promotes Autoimmune Arthritis in Mice. *Antioxidants & Redox Signaling* 2016; 25: 983-996.
30. Yau ACY, Holmdahl R. Rheumatoid arthritis: identifying and characterising polymorphisms using rat models. *Disease Models & Mechanisms* 2016; 9: 1111-1123.
31. Yau ACY, Houtman M, Padyukov L, Holmdahl R. REPLY TO LIU ET AL.: Translation of rat congenic data to humans on a conserved MHC-III haplotype associated with rheumatoid arthritis. *Proceedings of the National Academy of Sciences of the United States of America* 2016; 113: E6323-E6324.
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