

**RIKARD HOLMDAHL PUBLICATIONS 2017****Peer reviewed articles**

1. Backlund A, Gertow K, Jin H, Olsson L, Gonzalez-Diez M, Sabater-Lleal M, Strawbridge RJ, Sennblad B, Ohrvik J, Zabaneh D, Shah S, Veglia F, Folkersen L, Gigante B, Leander K, Vikstrom M, Silveira A, Colombo GI, Gabrielsen A, Hedin U, Franco-Cereceda A, Paulsson-Berne G, Nyssonen K, Tuomainen TP, Savonen K, Rauramaa R, Smit AJ, Giral P, Mannarino E, van der Laan SW, Pasterkamp G, Hansson GK, Eriksson P, Baldassarre D, Tremoli E, de Faire U, Humphries SE, Hamsten A, Holmdahl R, Maegdefessel L. Identification of NCF4 as a Novel Regulator in Arterial Remodeling and Advanced Atherosclerosis. *Arteriosclerosis Thrombosis and Vascular Biology* 2017; 37.
2. Brink M, Hansson M, Mathson-Alm L, Cornillet M, Ronnelid J, Skriner K, Serre G, Holmdahl R, Klareskog L, Rantapaa-Dahlqvist S. ACPA AGAINST DIFFERENT CITRULLINATED PEPTIDES IDENTIFY SPECIFIC PHENOTYPES OF RHEUMATOID ARTHRITIS. *Annals of the Rheumatic Diseases* 2017; 76: 792-792.
3. Fernandez-Lahore G, Raposo B, Marquina C, Aoun M, Lagerquist M, Holmdahl R. Non-coding variants promote vitamin D receptor expression in activated T cells and protect from GPI-induced arthritis. *Scandinavian Journal of Immunology* 2017; 86: 324-324.
4. Fischer A, Meyer B, Niederreiter B, Lonnblom E, Holmdahl R, Steiner G. Crucial Roles for Toll-like Receptor 9 in the Pathogenesis of Erosive Autoimmune Arthritis and during Osteoclastogenesis. *Arthritis & Rheumatology* 2017; 69.
5. Ge CR, Tong DM, Liang BB, Lonnblom E, Schneider N, Hagert C, Viljanen J, Ayoglu B, Stawikowska R, Nilsson P, Fields GB, Skogh T, Kastbom A, Kihlberg J, Burkhardt H, Dobritzsch D, Holmdahl R. Anti-citrullinated protein antibodies cause arthritis by cross-reactivity to joint cartilage. *Jci Insight* 2017; 2.
6. Guerreiro-Cacais AO, Norin U, Gyllenberg A, Berglund R, Beyeen AD, Petit-Teixeira E, Cornelis F, Saoudi A, Fournie GJ, Holmdahl R, Alfredsson L, Klareskog L, Jagodic M, Olsson T, Kockum I, Padyukov L, Rheumatoid Arthrit Consortium I. VAV1 regulates experimental autoimmune arthritis and is associated with anti-CCP negative rheumatoid arthritis. *Genes and Immunity* 2017; 18: 48-56.
7. Hahn J, Kienhofer D, Stoof J, Csepregi JZ, Reinwald C, Maueroder C, Urbonaviciute V, Munoz LE, Hultqvist M, Podolska MJ, Biermann MH, Leppkes M, Herrmann M, Harrer T, Mocsai A, Holmdahl R, Schett G, Hoffmann M. ROS is the boss. *Free Radical Biology and Medicine* 2017; 108: S17-S17.
8. Hensvold AH, Frisell T, Magnusson PKE, Holmdahl R, Askling J, Catrina AI. How well do ACPA discriminate and predict RA in the general population: a study based on 12 590 population-representative Swedish twins. *Annals of the Rheumatic Diseases* 2017; 76: 119-125.

9. Kienhofer D, Hahn J, Stoof J, Csepregi JZ, Reinwald C, Urbonaviciute V, Johnsson C, Maueroeder C, Podolska MJ, Biermann MH, Leppkes M, Harrer T, Hultqvist M, Olofsson P, Munoz LE, Mocsai A, Herrmann M, Schett G, Holmdahl R, Hoffmann MH. Experimental lupus is aggravated in mouse strains with impaired induction of neutrophil extracellular traps. *Jci Insight* 2017; 2.
10. Klocke K, Holmdahl R, Wing K. CTLA-4 expressed by FOXP3(+) regulatory T cells prevents inflammatory tissue attack and not T-cell priming in arthritis. *Immunology* 2017; 152: 125-137.
11. Nilsson J, Bergquist M, Onnheim K, Martensson IL, Viljanen J, Lonnblom E, Xu B, Sareila O, Kihlberg J, Holmdahl R, Gjertsson I. DETECTION AND ISOLATION OF ANTIGEN SPECIFIC B CELLS IN PATIENTS WITH RHEUMATOID ARTHRITIS. *Annals of the Rheumatic Diseases* 2017; 76: 779-779.
12. Olsson LM, Johansson AC, Gullstrand B, Jonsen A, Saevarsdottir S, Ronnblom L, Leonard D, Wettero J, Sjowall C, Svenungsson E, Gunnarsson I, Bengtsson AA, Holmdahl R. A single nucleotide polymorphism in the NCF1 gene leading to reduced oxidative burst is associated with systemic lupus erythematosus. *Annals of the Rheumatic Diseases* 2017; 76: 1607-1613.
13. Pfeifle R, Rothe T, Ipseiz N, Scherer HU, Culemann S, Harre U, Ackermann JA, Seefried M, Kleyer A, Uderhardt S, Haugg B, Huebert AJ, Daum P, Heidkamp GF, Ge CR, Bohm S, Lux A, Schuh W, Magorivskal I, Nandakumar KS, Lonnblom E, Becker C, Dudziak D, Wuhrer M, Rombouts Y, Koeleman CA, Toes R, Winkler TH, Holmdahl R, Herrmann M, Bluml S, Nimmerjahn F, Schett G, Kronke G. Regulation of autoantibody activity by the IL-23-T(H)17 axis determines the onset of autoimmune disease. *Nature Immunology* 2017; 18: 104-113.
14. Sareila O, Hagert C, Kelkka T, Linja M, Xu BZ, Kihlberg J, Holmdahl R. Reactive Oxygen Species Regulate Both Priming and Established Arthritis, but with Different Mechanisms. *Antioxidants & Redox Signaling* 2017; 27: 1473-1490.
15. Sorce S, Stocker R, Seredenina T, Holmdahl R, Aguzzi A, Chio A, Depaulis A, Heitz F, Olofsson P, Olsson T, Duvieu V, Sanoudou D, Skosgater S, Vlahou A, Wasquel D, Krause KH, Jaquet V. NADPH oxidases as drug targets and biomarkers in neurodegenerative diseases: What is the evidence? *Free Radical Biology and Medicine* 2017; 112: 387-396.
16. Too CL, Murad S, Hansson M, Alm LM, Dhaliwal JS, Holmdahl R, Jakobsson PJ, Alfredsson L, Klareskog L, Ronnelid J, Padyukov L. Differences in the Spectrum of Anti-Citrullinated Protein Antibody Fine Specificities Between Malaysian and Swedish Patients With Rheumatoid Arthritis: Implications for Disease Pathogenesis. *Arthritis & Rheumatology* 2017; 69: 58-69.
17. Tuncel J, Haag S, Holmdahl R. MHC class II alleles associated with Th1 rather than Th17 type immunity drive the onset of early arthritis in a rat model of rheumatoid arthritis. *European Journal of Immunology* 2017; 47: 563-574.

18. Yang M, Haase C, Viljanen J, Xu BZ, Ge CR, Kihlberg J, Holmdahl R. Cutting Edge: Processing of Oxidized Peptides in Macrophages Regulates T Cell Activation and Development of Autoimmune Arthritis. *Journal of Immunology* 2017; 199: 3937-3942.
19. Yau ACY, Lonnblom E, Zhong JH, Holmdahl R. Influence of hydrocarbon oil structure on adjuvanticity and autoimmunity. *Scientific Reports* 2017; 7.
20. Yau ACY, Piehl F, Olsson T, Holmdahl R. Effects of C2ta genetic polymorphisms on MHC class II expression and autoimmune diseases. *Immunology* 2017; 150: 408-417.
21. Yau ACY, Tuncel J, Holmdahl R. The Major Histocompatibility Complex Class III Haplotype Ltab-Ncr3 Regulates Adjuvant-Induced but Not Antigen-Induced Autoimmunity. *American Journal of Pathology* 2017; 187: 987-998.
22. Zhu WH, Xu J, Jiang CS, Wang B, Geng MM, Wu XY, Hussain N, Gao N, Han Y, Li DM, Lan X, Ning QL, Zhang FJ, Holmdahl R, Meng LS, Lu SM. Pristane induces autophagy in macrophages, promoting a STAT1-IRF1-TLR3 pathway and arthritis. *Clinical Immunology* 2017; 175: 56-68.