

RIKARD HOLMDAHL PUBLICATIONS 2012**Peer reviewed articles**

1. Haag S, Uysal H, Bäcklund J, Tuncel J, Holmdahl R. Human α -enolase is immunogenic, but not arthritogenic, in HLA-DR4 transgenic mice. *Arthritis Rheum.* 2012 Jan. 11.
2. Snir O, Bäcklund J, Boström J, Andersson I, Kihlberg J, Buckner JH, Klareskog L, Holmdahl R, Malmström V, Multifunctional T cell reactivity to native and glycosylated type-II collagen in rheumatoid arthritis. *Arthritis Rheum.* 2012 Mar 5.
3. Tuncel J, Haag S, Carlsén S, Yau ACY, Lu S, Burkhardt H and Holmdahl R. MHC class II-restricted Response to Collagen type XI regulates the Chronic development of Arthritis in rats. *Arthritis Rheum.* 2012 Mar 5.
4. Kelkka T, Laurila JP, Sareila O, Olofsson P, Laukkanen MO, Holmdahl R. Superoxide dismutase 3 limits collagen-induced arthritis in the absence of phagocyte oxidative burst. *Mediators Inflamm.* 2012;2012:730-469.
5. Schiavone S, Jaquet V, Sorce S, Dubois-Dauphin M, Hultqvist M, Bäckdahl L, Holmdahl R, Colaianna M, Trabace L and Krause KH. NADPH oxidase elevations in pyramidal neurons drive psychosocial stress-induced neuropathology. *Transl Psych* 2012;2:e111.
6. Kelkka T, Hultqvist M, Nandakumar KS, Holmdahl R: Enhancement of Antibody Induced Arthritis via Toll-like Receptor 2 Stimulation is Regulated by Granulocyte Reactive Oxygen Species. *Am J Pathol* 2012 Jul;181(1):141-50.
7. Deffert C, Yuan H, Rougemont A-L, Kelkka T, Holmdahl R, Krause KH, Schäppi MG. Hyperinflammation of Chronic Granulomatous Disease is Abolished by NOX2 Reconstitution in Macrophages and Dendritic Cells. *J. Pathol.* 2012 Jun 11.
8. Lundberg K, Bengtsson C, Kharlamova N, Reed E, Jiang X, Pollak-Dorocic I, Israelsson L, Kessel C, Padyukov L, Holmdahl R, Alfredsson L, Klareskog L. Genetic and environmental determinants for disease risk in subsets of rheumatoid arthritis defined by the anticitrullinated protein/peptide antibody fine specificity profile. *Ann. Rheum. Dis.* 2012 Jun 1.
9. Yakimchuk K, Nandakumar KS, Chen L, Holmdahl R, Okret S, Jondal M. Keratinocyte growth factor (KGF) delays the onset of collagen-induced arthritis. *Autoimmunity.* 2012 Sep. 5.
10. Bas DB, Su J, Sandor K, Agalave NM, Pettersson J, Codeluppi S, Baharpoor A, Nandakumar KS, Holmdahl R, Svensson CI. Collagen antibody-induced arthritis evokes persistent pain with spinal glial involvement and transient prostaglandin dependency. *Arthritis Rheum.* 2012 Aug. 29.
11. Herman S, Kny A, Schorn C, Pfatschbacher J, Niederreiter B, Herrmann M, Holmdahl R, Steiner G, Hoffmann MH. Cell death and cytokine production induced by autoimmunogenic hydrocarbon oils. *Autoimmunity.* 2012 Aug. 23.
12. Geng H, Nandakumar KS, Pramhed A, Aspberg A, Mattsson R, Holmdahl R. Cartilage oligomeric matrix protein specific antibodies are pathogenic. *Arthritis Res Ther.* 2012 Aug. 20;14(4):R191.
13. Förster M, Raposo B, Ekman D, Klaczkowska D, Popovic M, Nandakumar KS,

- Lindvall T, Hultqvist M, Teneva I, Johannesson M, Ahlqvist E, Holmdahl R. Genetic control of antibody production during collagen induced arthritis development in heterogeneous stock mice. *Arthritis Rheum.* 2012Aug.8.
14. Pizzolla A, Hultqvist M, Nilson B, Grimm M, Enelung T, Jonsson IM, Verdrengh M, Kelkka T, Gjertsson I, Segal BH, Holmdahl R: Reactive Oxygen Species Produced by the NOX2 Complex in Monocytes Protect Mice from Bacterial Infections. *J. Immunol.* 15;188(10):5003-11.2012.
 15. Hansson M, Mathsson L, Schleder T, Israelsson L, Matsson P, Noguera L, Jakobsson PJ, Lundberg K, Malmström V, Serre G, Holmdahl R, Nystrand M, Klareskog L, Rönnelid J. Validation of a multiplex chip-based for the detection of autoantibodies against citrullinated peptides. *Arthritis Res Ther.* 2012Oct.1;14(5):R201.
 16. Batsalova T, Lindh I, Bäcklund J, Dzhambazov B, Holmdahl R. Comparative analysis of collagen type II-specific immune responses during development of collagen-induced arthritis in two B10 mouse strains. *Arthritis Res Ther.* 2012Nov.1;14(6):R237.
 17. Hoffmann MH, Bruns H, Bäckdahl L, Neregård P, Niederreiter B, Herrmann M, Catrina AI, Agerberth B, Holmdahl R. The cathelicidins LL-37 and rCRAMP are associated with pathogenic events of arthritis in humans and rats. *Ann Rheum Dis*, in press 2012.
 18. Sareila O, Jaakkola N, Olofsson P, Kelkka T, Holmdahl R. Identification of a region in p47phox/NCF1 crucial for phagocytic NADPH oxidase (NOX2) activation. *J. Leukoc. Biol.* 2012 Dec 27.

Books, book chapters, reviews

1. Olsson LM, Holmdahl R. Copy number variation in autoimmunity - importance hidden in complexity? *Eur. J. Immunol.* 2012Aug.;42(8):1969–76.
2. Sandor K, Nandakumar KS, Holmdahl R, Svensson CI. Methods in Pharmacology and Toxicology. Szallasi A, Bíró T, editors. Totowa, NJ: Humana Press; 2012. p. 437–55.