

RIKARD HOLMDAHL PUBLICATIONS 2010**Peer reviewed articles**

1. Van de Velde, N. C., P. L. Mottram, M. S. Powell, B. Lim, R. Holmdahl, and P. M. Hogarth. Transgenic mice expressing human FcγRIIa have enhanced sensitivity to induced autoimmune arthritis as well as elevated Th17 cells. *Immunol Lett* **130**, 82-8 (2010).
2. Snir, O., M. Widhe, M. Hermansson, C. von Spee, J. Lindberg, S. Hensen, K. Lundberg, A. Engstrom, P. J. Venables, R. E. Toes, R. Holmdahl, L. Klareskog, and V. Malmstrom. 2010. Antibodies to several citrullinated antigens are enriched in the joints of rheumatoid arthritis patients. *Arthritis Rheum* 62:44-52.
3. Rintisch, C., T. Kelkka, U. Norin, J. C. Lorentzen, P. Olofsson, and R. Holmdahl. 2010. Finemapping of the arthritis QTL Pia7 reveals co-localization with Oia2 and the APLEC locus. *Genes Immun Genes Immun* 11, 239-45 (2010).
4. Andersson, I., T. Batsalova, B. Dzhabazov, L. Edvinsson, R. Holmdahl, J. Kihlberg, and A. Linusson. 2010. Oxazole glycopeptidomimetics that target arthritis-associated class II MHC Aq and DR4 proteins. *Organic & Biomolecular Chemistry* Org Biomol Chem 8(13):2931-40 (2010)
5. Meng L, Zhu W, Jiang C, He X, Hou W, Zheng F, Holmdahl R, Lu S: Toll-like receptor 3 upregulation in macrophages participates in the initiation and maintenance of pristane-induced arthritis in rats. *Arthritis Res Ther* 12, R103 (2010).
6. Hultqvist, M., Nandakumar, K.S., Björklund, U. & Holmdahl, R. The small compound Rabeximod reduces arthritis severity in mice by decreasing macrophage activation *Ann Rheum Dis* 69(8):1527- (2010).
7. Gillett A, Marta M, Jin T, Tuncel J, Leclerc P, Nohra R, Holmdahl R, Olsson T, Jagodic M: TNF Production in Macrophages Is Genetically Determined and Regulates Inflammatory Disease in Rats. *J Immunol* 185(1):442-50 (2010).
8. Croxford AM, Crombie D, McNaughton D, Holmdahl R, Nandakumar KS, Rowley MJ: Specific antibody protection of the extracellular cartilage matrix against collagen antibody-induced damage. *Arthritis Rheum* (2010) Nov;62(11):3374–84.
9. Batsalova, T., Dzhabazov, B., Klaczkowska, D. & Holmdahl, R. Mice producing less reactive oxygen species are relatively resistant to collagen glycopeptide vaccination against arthritis *J Immunol* 185(5):2701-9 (2010).
10. Kraaij, M. D., Savage, N. D. L., van der Kooij, S. W., Koekkoek, K., Wang, J., van den Berg, J. M., Ottenhoff, T. H. M., Kuijpers, T. W., Holmdahl, R., van Kooten, C., and Gelderman, K. A., Induction of regulatory T cells by macrophages is dependent on ROS generated by the NADPH-oxidase. *Proc Natl Acad Sci U S A* 2010;107(41):17686-91.
11. Nandakumar KS, Jansson A, Xu B, Rydell N, Blom AM, Holmdahl R. A recombinant vaccine effectively induces c5a-specific neutralizing antibodies and prevents arthritis. *PLoS One* 2010;5(10):e13511.

Books, book chapters, reviews

1. Uysal, H., K. S. Nandakumar, C. Kessel, S. Haag, S. Carlsen, H. Burkhardt, and R. Holmdahl. 2010. Antibodies to citrullinated proteins: molecular interactions and arthritogenicity. *Immunol Rev* 233:9-33.
2. Holmdahl, R., At last - rats lacking B cells. *Eur J Immunol* 2010. Oct;40(10):2680–1.