

**RIKARD HOLMDAHL PUBLICATIONS 2013****Peer reviewed articles**

1. Bäcklund J, Li C, Jansson E, Mercky P, Carlsen S, Nandakumar KS, Haag S, Ytterberg J, Zubarev R, Holmdahl R: C57BL/6 mice need MHC class II Aq to develop collagen induced arthritis dependent on autoreactive T cells. *Ann Rheum Dis*, 2013 72(7):1225-32.
2. Mikael Brink, Monika Hansson, Linda Mathsson, Per-Johan Jakobsson, Rikard Holmdahl, Göran Hallmans, Hans Stenlund, Johan Rönnelid, Lars Klareskog, and Solbritt Rantapää Dahlqvist. Multiplex analyses of antibodies against citrullinated peptides in individuals prior to development of rheumatoid arthritis. *Arthritis Rheum* 2013 65(4):899-910.
3. Colaianna M, Schiavone S, Zotti M, Tucci P, Morgese MG, Bäckdahl L, Holmdahl R, Krause, K-H, Cuomo V, Trabace L. Neuroendocrine profile in a rat model of psychosocial stress: relation to oxidative stress. *Antioxid Redox Signal*. 2013 18(12):1385-99.
4. Croxford AM, Whittingham S, McNaughton D, Nandakumar KS, Holmdahl R, Rowley MJ. Type II collagen specific antibodies induce cartilage damage in mice independent of inflammation. *Arthritis Rheum*. 2013 Mar;65(3):650–9.
5. Grimm MJ, Vethanayagam RR, Almyroudis NG, Dennis CG, Khan ANH, D'Auria AC, Holmdahl R, Segal B. Monocyte- and Macrophage-Targeted NADPH Oxidase Mediates Antifungal Host Defense and Regulation of Acute Inflammation in Mice. *J. Immunol*. 2013 190(8):4175-84.
6. Holmdahl R, Sareila O, Pizzolla A, Winter S, Hagert C, Jaakkola N, Kelkka T, Olsson LM, Wing K, Bäckdahl L. Hydrogen peroxide as an immunological transmitter regulating autoreactive T cells. *Antiox Redox Signal* 2013 in press
7. Akhilesh Kumar Shakya<sup>1,2</sup>, Rikard Holmdahl<sup>2</sup>, Kutty Selva Nandakumar<sup>2,\*</sup> and Ashok Kumar<sup>1,\*</sup> Characterization of chemically defined poly-N-isopropylacrylamide based copolymeric adjuvants. *Vaccine* 2013 31(35):3519-27
8. Nandakumar KS, Collin M, Happonen KE, Croxford AM, Lundström SL, Zubarev RA, Holmdahl R. Dominant suppression of inflammation by glycan-hydrolyzed IgG. *Proc. Natl. Acad. Sci. U.S.A.* 2013 110(25):10252-7.
9. Rat Genome Sequencing and Mapping Consortium, Baud A, Hermsen R, Guryev V, Stridh P, Graham D, McBride MW, Foroud T, Calderari S, Diez M, Ockinger J, Beyeen AD, Gillett A, Abdelmagid N, Guerreiro-Cacais AO, Jagodic M, Tuncel J, Norin U, Beattie E, Huynh N, Miller WH, Koller DL, Alam I, Falak S, Osborne-Pellegrin M, Martinez-Membrives E, Canete T, Blazquez G, Vicens-Costa E, Mont-Cardona C, Diaz-Moran S, Tobena A, Hummel O, Zelenika D, Saar K, Patone G, Bauerfeind A, Bihoreau MT, Heinig M, Lee YA, Rintisch C, Schulz H, Wheeler DA, Worley KC, Muzny DM, Gibbs RA, Lathrop M, Lansu N, Toonen P, Ruzius FP, de Bruijn E, Hauser H, Adams DJ, Keane T, Atanur SS, Aitman TJ, Flicek P, Malinauskas T, Jones EY, Ekman D, Lopez-Aumatell R, Dominiczak AF,

Johannesson M, Holmdahl R, Olsson T, Gauguier D, Hubner N, Fernandez-Teruel A, Cuppen E, Mott R, Flint J. Combined sequence-based and genetic mapping analysis of complex traits in outbred rats. *Nat. Genet.* 2013 45(7):767-75.

10. Geng H, Nandakumar KS, Xiong L, Jie R, Dong JH, Holmdahl R: Incomplete B cell tolerance in mice with circulating cartilage oligomeric matrix protein. *Arthritis Rheum* 2013 65(9):2301-9.
11. Pizzolla A, Wing K, Holmdahl R: A glucose-6-phosphate isomerase peptide induces T and B cell-dependent chronic arthritis in C57BL/10 mice. Arthritis without reactive oxidative species and complement.. *Am J Pathol* 2013 183(4):1144-55.

#### **Books, book chapters,**

1. Peter Olofsson<sup>1</sup>, Malin Hultqvist<sup>2</sup>, Lars Hellgren<sup>3</sup> and Phytol, A chlorophyll component with anti-inflammatory and metabolic properties. In "Redox active secondary metabolites: *From basic chemistry to widespread applications in Medicine and Agriculture*". Springer in press 2013