

VIVIANNE MALMSTRÖM PUBLICATIONS 2014

Peer-reviewed articles

1: Lundström SL, Fernandes-Cerqueira C, Ytterberg AJ, Ossipova E, Hensvold AH, Jakobsson PJ, Malmström V, Catrina AI, Klareskog L, Lundberg K, Zubarev RA. IgG antibodies to cyclic citrullinated peptides exhibit profiles specific in terms of IgG subclasses, fc-glycans and a fab-Peptide sequence. *PLoS One*. 2014 Nov 26;9(11):e113924. doi: 10.1371/journal.pone.0113924. eCollection 2014. PubMed PMID: 25426976.

2: Kry T, Fkova O, Helmers S, Venalis P, Malmström V, Lindroos E, Vencovski JI, Lundberg IE. Expression of BAFF receptors in muscle tissue of myositis patients with anti-Jo-1 or anti-Ro52/anti-Ro60 autoantibodies. *Arthritis Res Ther*. 2014 Oct 10;16(5):454. [Epub ahead of print] PubMed PMID: 25301447; PubMed Central PMCID: PMC4234835.

3: Abugessaisa I, Saevarsdottir S, Tsipras G, Lindblad S, Sandin C, Nikamo P, Ståhle M, Malmström V, Klareskog L, Tegner J. Accelerating translational research by clinically driven development of an informatics platform--a case study. *PLoS One*. 2014 Sep 9;9(9):e104382. doi: 10.1371/journal.pone.0104382. eCollection 2014. PubMed PMID: 25203647; PubMed Central PMCID: PMC4159182.

4: Snir O, Gomez-Cabrero D, Montes A, Perez-Pampin E, Gomez-Reino JJ, Seddighzadeh M, Klich KU, Israelsson L, Ding B, Catrina AI, Holmdahl R, Alfredsson L, Klareskog L, Tegner J, Gonzalez A, Malmström V, Padyukov L. Non-HLA genes PTPN22, CDK6 and PADI4 are associated with specific autoantibodies in HLA-defined subgroups of rheumatoid arthritis. *Arthritis Res Ther*. 2014 Aug 20;16(5):414. [Epub ahead of print] PubMed PMID: 25138370.

5: Ossipova E, Cerqueira CF, Reed E, Kharlamova N, Israelsson L, Holmdahl R, Nandakumar KS, Engström M, Harre U, Schett G, Catrina AI, Malmström V, Sommarin Y, Klareskog L, Jakobsson PJ, Lundberg K. Affinity purified anti-citrullinated protein/peptide antibodies target antigens expressed in the rheumatoid joint. *Arthritis Res Ther*. 2014 Aug 12;16(4):R167. [Epub ahead of print] PubMed PMID: 25112157.

6: Catrina AI, Ytterberg AJ, Reynisdottir G, Malmström V, Klareskog L. Lungs, joints and immunity against citrullinated proteins in rheumatoid arthritis. *Nat Rev Rheumatol*. 2014 Nov;10(11):645-653. doi: 10.1038/nrrheum.2014.115. Epub 2014 Jul 29. Review. PubMed PMID: 25072264.

7: Lindh I, Snir O, Lönnblom E, Uysal H, Andersson I, Nandakumar KS, Vierboom M, 't Hart B, Malmström V, Holmdahl R. Type II collagen antibody response is enriched in the synovial fluid of rheumatoid joints and directed to the same major epitopes as in collagen induced arthritis in primates and mice. *Arthritis Res Ther*. 2014 Jul 8;16(4):R143. doi: 10.1186/ar4605. PubMed PMID: 25005029; PubMed Central PMCID: PMC4226996.

8: Herrath J, Chemin K, Albrecht I, Catrina AI, Malmström V. Surface expression of CD39 identifies an enriched Treg-cell subset in the rheumatic joint, which does not suppress IL-17A secretion. *Eur J Immunol*. 2014 Oct;44(10):2979-89. doi: 10.1002/eji.201344140. Epub 2014 Aug 25. PubMed PMID: 24990235.

- 9: Ytterberg AJ, Joshua V, Reynisdottir G, Tarasova NK, Rutishauser D, Ossipova E, Haj Hensvold A, Eklund A, Sköld CM, Grunewald J, Malmström V, Jakobsson PJ, Rönnelid J, Padyukov L, Zubarev RA, Klareskog L, Catrina AI. Shared immunological targets in the lungs and joints of patients with rheumatoid arthritis: identification and validation. *Ann Rheum Dis*. 2014 May 9. doi: 10.1136/annrheumdis-2013-204912. [Epub ahead of print] PubMed PMID: 24817415.
- 10: Jiang X, Trouw LA, van Wesemael TJ, Shi J, Bengtsson C, Källberg H, Malmström V, Israelsson L, Hreggvidsdottir H, Verduijn W, Klareskog L, Alfredsson L, Huizinga TW, Toes RE, Lundberg K, van der Woude D. Anti-CarP antibodies in two large cohorts of patients with rheumatoid arthritis and their relationship to genetic risk factors, cigarette smoking and other autoantibodies. *Ann Rheum Dis*. 2014 Oct;73(10):1761-8. doi: 10.1136/annrheumdis-2013-205109. Epub 2014 May 8. PubMed PMID: 24812286.
- 11: Holmdahl R, Malmström V, Burkhardt H. Autoimmune priming, tissue attack and chronic inflammation - the three stages of rheumatoid arthritis. *Eur J Immunol*. 2014 Jun;44(6):1593-9. doi: 10.1002/eji.201444486. Epub 2014 May 3. Review. PubMed PMID: 24737176.
- 12: Fiskesund R, Steen J, Amara K, Murray F, Szwajda A, Liu A, Douagi I, Malmström V, Frostegård J. Naturally occurring human phosphorylcholine antibodies are predominantly products of affinity-matured B cells in the adult. *J Immunol*. 2014 May 15;192(10):4551-9. doi: 10.4049/jimmunol.1303035. Epub 2014 Apr 11. PubMed PMID: 24729615.
- 13: Nielsen N, Pascal V, Fasth AE, Sundström Y, Galsgaard ED, Ahern D, Andersen M, Baslund B, Bartels EM, Bliddal H, Feldmann M, Malmström V, Berg L, Spee P, Söderström K. Balance between activating NKG2D, DNAM-1, NKp44 and NKp46 and inhibitory CD94/NKG2A receptors determine natural killer degranulation towards rheumatoid arthritis synovial fibroblasts. *Immunology*. 2014 Aug;142(4):581-93. doi: 10.1111/imm.12271. PubMed PMID: 24673109; PubMed Central PMCID: PMC4107668.
- 14: James EA, Rieck M, Pieper J, Gebe JA, Yue BB, Tatum M, Peda M, Sandin C, Klareskog L, Malmström V, Buckner JH. Citrulline-specific Th1 cells are increased in rheumatoid arthritis and their frequency is influenced by disease duration and therapy. *Arthritis Rheumatol*. 2014 Jul;66(7):1712-22. doi: 10.1002/art.38637. PubMed PMID: 24665079.
- 15: Mia S, Warnecke A, Zhang XM, Malmström V, Harris RA. An optimized protocol for human M2 macrophages using M-CSF and IL-4/IL-10/TGF- β yields a dominant immunosuppressive phenotype. *Scand J Immunol*. 2014 May;79(5):305-14. doi: 10.1111/sji.12162. PubMed PMID: 24521472.
- 16: Pieper J, Johansson S, Snir O, Linton L, Rieck M, Buckner JH, Winqvist O, van Vollenhoven R, Malmström V. Peripheral and site-specific CD4(+) CD28(null) T cells from rheumatoid arthritis patients show distinct characteristics. *Scand J Immunol*. 2014 Feb;79(2):149-55. doi: 10.1111/sji.12139. PubMed PMID: 24313359; PubMed Central PMCID: PMC4064710.
- 17: Klareskog L, Amara K, Malmström V. Adaptive immunity in rheumatoid arthritis: anticitrulline and other antibodies in the pathogenesis of rheumatoid arthritis. *Curr Opin*

Rheumatol. 2014 Jan;26(1):72-9. doi: 10.1097/BOR.000000000000016. Review. PubMed PMID: 24257366.

18: Zong M, Dorph C, Dastmalchi M, Alexanderson H, Pieper J, Amoudruz P, Barbasso Helmers S, Nennesmo I, Malmström V, Lundberg IE. Anakinra treatment in patients with refractory inflammatory myopathies and possible predictive response biomarkers: a mechanistic study with 12 months follow-up. *Ann Rheum Dis*. 2014 May;73(5):913-20. doi: 10.1136/annrheumdis-2012-202857. Epub 2013 Apr 26. PubMed PMID: 23625983.