

TOMAS OLSSON PUBLICATIONS 2009**Peer-reviewed articles**

278. Gonzalez H, Otterwald J, Nilsson KC, Sjögren N, Miliotis T, von Bahr H, Khademi M, Eriksson B, Kjellström S, Vegvari A, Marko-Varga G, Borg K, Nilsson J, Laurell T, Olsson T*, Franzen B*. Identification of novel candidate protein biomarkers for the in the post-poliosyndrome-Implications for diagnosis, neurodegeneration and neuroinflammation: *Journals of Proteomics* 2009;71, 670681. ***equal contribution**
294. Backdahl L, Guo JP, Jagodic M, Becanovic K, Ding B, Olsson T, Lorentzen JC. Definition of arthritis candidate risk genes by combining rat linkage-mapping results with human case control association data. *Ann Rheum Dis* 2008 Dec 23 (Epub ahead of print).
295. Iacobaeus E, Ryschkewitsch C, Gravell M, Khademi M Wallström E, Olsson T Brundin L, Major EO. Analysis of CSF and CSF cells from multiple sclerosis patients for the detection of JC virus DNA. *Mult Scler.* 2009 Jan;15(1):28-35
296. Johannesson M, Lopez-Aumatell R, Stridh P, Diez M, Tuncel J, Blazquez G, Martinez E, Canete A, Vicens-Costa E, Graham D, Hernandez-Pliego P, Beyeen A, Ockinger J, Fernandez C, Dominiczak A, Holmdahl R, Gaugier D, Olsson T, Mott R, Valdar W, Fernandez Terual A, Flint J. A resource for the simultaneous high-resolution mapping of multiple quantitative trait loci in rats: the NIH heterogenous stock. *Genome Res.* 2009 Jan;19(1):150-8.
297. International Multiple Sclerosis Genetics Consortium (IMSGC, numerous contributors, among those Tomas Olsson). The expanding genetic overlap between multiple sclerosis and type 1 diabetes. *Genes Immun.* 2009 Jan;10(1):11-4
298. Bahmanyar S, Montgomery SM, Hillert J, Ekbom A, Olsson T. Cancer risk among patients with multiple sclerosis and their parents. *Neurology*; 2009: 72, 1170-1177.
299. Huberle A, Beyeen AD, Öckinger J, Ayturan M, Jagodic M, de Graaf K, Fissolo N, Marta M, Olofsson P, Hultqvist M, Holmdahl R, Olsson T and Weissert R. Advanced intercross line mapping suggests Ncf1 (Ean6) to regulate severity in an animal model of Guillain-Barré syndrome. *J Immunol.* 2009, 182: 4432-4438.
300. Khademi M, Bornsen L, Rafatnia F, Andersson M, Brundin L, Piehl F, Sellebjerg F, Olsson T. Natalizumab therapy in multiple sclerosis: effects on inflammatory mediators. *Eur J Neurol*, 2009 16:528-36.
301. Giovannoni G, Barbarash O, Casset-Semanaz F, King J, Metz L, Pardo G, Simsarian J, Sørensen PS, Stubinski B; Rebif New Formulation Study Group. Safety and immunogenicity of a new formulation of interferon beta-1a (Rebif New formulation) in a phase IIIb study in patients with relapsing multiple sclerosis: 96-week results. *Mult Scler.* 2009 ;15:219-28.
302. Covacu R, Arvidsson L, Andersson Å, Khademi M, Erlandsson-Harris H, Harris RA, Svensson MA, Olsson T, Brundin L. Toll-like receptor activation induces TNF α production from adult neural stem/progenitor cells. *Journal of Immunology*, 2009, 182:6889-6895.

303. Jagodic M, Colacios C, Nohra R, Dejean AS, Beyeen AD, Khademi M, Casemayou A, Lamouroux L, Duthoit C, Sjöholm L, Bernard I, Lagrange D, Dahlman I, Lundmark F, Oturai AB, Soendergaard HB, Kempinen A, Saarela J, Ienari P, Harbo HF, Spurkland A, Ramagopalan S, Sadovnick DA, Ebers G, Seddighzadeh M, Klareskog L, Alfredsson L, Padyukov L, Hillert J, Clanet M, Edan G, Fontaine B, Fournie GJ, Saudi A, Kockum I, Olsson T. A role for Vav1 in experimental autoimmune encephalomyelitis and Multiple Sclerosis. *Science Translational Medicine* 2009; Vol 1, issue 10, 1-11
304. Thessen Hedreul M, Gillett A, Olsson T, Jagodic M, Harris RA. Characterization of Multiple Sclerosis Candidate gene expression in rat Experimental Autoimmune encephalomyelitis. *J Neuroimmunol* 2009 May 29;210(1-2):30-9 in press
305. Hedström A, Bäärnhielm M, Wallström E, Hillert J, Olsson T, Alfredsson L. Tobacco smoking, but not Nicotine increases the risk of Multiple Sclerosis. *Neurology*. 2009; 73: 696-701
306. Lindå H, von Heijne A, Major EA, Ryschkewitsch C, Berg J, Olsson T, Martin C. Progressive Multifocal Leucoencephalopathy after Natalizumab Monotherapy, *New Eng J Med*, 2009; 36, 1081-1087.
307. Harnesk K, Swanberg M, Diez M, Olsson T, Piehl F, Lidman O. Differential nerve injury-induced expression of MHC class II in the mouse correlates to genetic variability in the type I promoter of *C2ta*. *J Neuroimmunology*, 2009 Jul 25;212(1-2):44-52
308. Brynedal B, Bomfim IL, Olsson T, Duvefelt K, Hillert J. Differential expression and genetic association of CD58 in Swedish multiple sclerosis patients, *Proc Natl Acad Sci U S A*. 2009 Jun 9;106(23)
309. Idali F, Wahlström J, Dahlberg B, Khademi M, Olsson T, Eklund A, Grunewald J. Altered expression of T cell Immunoglobulin-Mucin (TIM) molecules in bronchoalveolar lavage CD4+ T cells in sarcoidosis. *Respiratory Research*, 2009 May 29;10:42
310. Ramagopalan SV, Link J, Byrnes JK, Dymant DA, Giovannoni G, Hintzen RQ, Sundqvist E, Kockum I, Smestad C, Lie BA, Harbo HF, Padyukov L, Alfredsson L, Sadovnik DA, Olsson T, Hillert J, Ebers GC. HLA-DRB1 and Month-of-Birth in Multiple Sclerosis, *Neurology* 2009, 15:73(24):2107-11
311. Gillett A, Maratou K, Fewings C, Harris RA, Jagodic M, Aitman T, Olsson T. Alternative Splicing and Transcriptome Profiling of Experimental Autoimmune Encephalomyelitis Using Genome-wide Exon Arrays. *Plos One* 2009; 10;4(11):e7773
312. Vudattu NK, Kuhlman-Berenzon S, Khademi M, Seyfert V, Olsson T, Maeurer M. Increased numbers of IL-7 receptor molecules on CD3+CD4+CD107a+Tcells in patients with Multiple Sclerosis. *PLoS One*. 2009 Aug 6;4(8):e6534
313. Diez M, Abdelmagid N, Harnesk K, Ström M, Lidman O, Swanberg M, Lindblom R, Al-Nimer F, Jagodic M, Olsson T, Piehl F. Identification of gene regions regulating inflammatory microglial response in the rat CNS after nerve injury. *Journal of Neuroimmunology*, 2009 Jul 25;212(1-2):82-92.
314. Sellebjerg F, Börnsen L, Khademi M, Krakauer M, Olsson T, Fredriksen JL, Sörensen PS. Increased cerebrospinal fluid concentrations of the chemokine CXCL13 in active MS. *Neurology* 2009, 73, 2003-2010

315. Brynedal B, Khademi M, Wallström E, Hillert J, Olsson T, Duvefelt K. Gene expression profiling in multiple sclerosis: A disease of the central nervous system, but with relapses triggered in the periphery? *Neurobiol Dis.* 2009 Nov 26. [Epub ahead of print]

Review articles, book chapters, books

Piehl F, Olsson T. Inflammation and susceptibility to neurodegeneration: The use of unbiased genetics to decipher critical regulatory pathways. *Neuroscience.* 2009 Feb 6;158(3):1143-50.