

**ANDERS HAMSTEN PUBLICATIONS 2009****Peer-reviewed articles**

- Samnegård A, Hulthe J, Silveira A, Ericsson C-G, **Hamsten A**, Eriksson P. Gender specific associations between matrix metalloproteinases and inflammatory markers in post myocardial infarction patients. *Atherosclerosis* 2009;202:550-556.
- Sierra-Johnson J, Fisher RM, Romero-Corral A, Somers VK, Lopez-Jimenez F, Öhrvik J, Walldius G, Hellénus M-L, **Hamsten A**. The concentration of apolipoprotein B is comparable to the apolipoprotein B/apolipoprotein A-I ratio and better than routine clinical lipid measurements in predicting coronary heart disease mortality. Findings from a multi-ethnic US population. *European Heart Journal* 2009;30:710-717.
- Sierra-Johnson J, Romero-Corral A, Somers VK, Lopez-Jimenez F, Mälärstig A, Brismar K, **Hamsten A**, Fisher R, Hellénus M-L. IGF-I/IGFBP-3 ratio: a mechanistic insight into the metabolic syndrome. *Clinical Science* 2009;116:507-512.
- Björck HM, Länne T, Alehagen U, Persson K, Rundkvist L, **Hamsten A**, Dahlström U, Eriksson P. The *ANRIL* locus on chromosome 9p21 affects arterial stiffness. *Journal of Internal Medicine* 2009;265:373-381.
- Olofsson PS, Söderström LÅ, Jern C, Sirsö A, Ria M, Sundler E, de Faire U, Wiklund PG, Öhrvik J, Hedin U, Paulsson-Berne G, **Hamsten A**, Eriksson P, Hansson GK. Genetic variants of OX40L and risk of carotid artery disease and stroke. *Journal of Molecular Medicine* 2009;87:337-346.
- Kärvestedt L, Mårtensson E, Grill V, Elofsson S, von Wendt G, **Hamsten A**, Brismar K. Peripheral sensory neuropathy associates with micro- or macroangiopathy: results from a population-based study of patients with type 2 diabetes in Sweden. *Diabetes Care* 2009;32:317-322.
- Kotronen A, Johansson LE, Johansson LM, Roos C, Westerbacka J, **Hamsten A**, Bergholm R, Arkkila P, Arola J, Kiviluoto T, Fisher RM, Ehrenborg E, Orho-Melander M, Ridderstråle M, Groop L, Yki-Järvinen H. A common variant in PNPLA3, which encodes adiponutrin, is associated with liver fat content in humans. *Diabetologia* 2009;52:1056-1060.
- Kotronen A, Yki-Järvinen H, Aminoff A, Bergholm R, Pietiläinen KH, Westerbacka J, Flavell DM, Humphries SE, **Hamsten A**, Isomaa B, Groop L, Orho-Melander M, Ehrenborg E, Fisher RM. Genetic variation in the ADIPOR2 gene is associated with liver fat content and its surrogate markers in three independent cohorts. *European Journal of Endocrinology* 2009;160:593-602.
- Newton-Cheh C, Johnson T, Gateva V, Tobin MD, Bochud M, Coin L, Najjar SS, Zhao JH, Heath SC, Eyheramendy S, Papadakis K, Voight BF, Scott LJ, Zhang F, Farrall M, Tanaka T, Wallace C, Waggott D, Chambers JC, Khaw K-T, Nilsson P, van der Harst P, Polidoro S, Grobbee DE, Onland-Moret NC, Bots ML, Wain LV, Elliott KS, Teumer A, Luan J, Lucas G, Kuusisto J, Burton PR, Hadley D, McArdle WL, Wellcome Trust Case Control Consortium, Brown M, Dominiczak A, Newhouse SJ, Samani NJ, Webster J, Zeggini E, Beckmann JS, Bergmann S, Lim N, Song K, Vollenweider P, Waeber G, Waterworth DM, Yuan X, Bull SB, de Boer I, Diabetes Control and Complications Trial/Epidemiology of Diabetes Interventions and Complications Research Group, Groop L, Orho-Melander M, Allione A, Di Gregorio A, Guarrera S, Panico S, Ricceri F, Romanazzi V, Sacerdote C, Vineis P, Barroso I, Sandhu MS, Luben RN, Boehnke M, Bonnycastle LL, Collins FC, Jackson AU, Mohlke KL, Stringham HM, Valle TT, Willer CJ, Bergman RN, Morken MA, Döring A, Gieger C, Illig T, Lichtner P, Meitinger T, Org E, Wichmann HE, Kathiresan S, Marrugat J, O'Donnell C, Salomaa V, Schwartz SM, Siscovick DS, Subirana I, Freimer NB, Hartikainen A-L, McCarthy MI, O'Reilly PF, Peltonen L, Pouta A, de Jong PE, Snieder H, van Gilst WH, Collins R, Goel A, **Hamsten A**, Peden JF, Seedorf U, Syvänen A-C, Tognoni G, Lakatta EG, Sanna S, Scheet P, Schlessinger D, Scuteri A, Dörr M, Ernst F, Felix SB, Homuth G, Lorbeer R, Reffelmann T, Rettig R, Völker U, Galan P, Hercberg S, Lathrop GM, Zelenka D, Deloukas P, Soranzo N, Williams FM, Zhai G, Laakso M, Elosua R, Forouhi NG, Völzke H, Uitterwaal CS, van der Schouw Y, Numans ME, Matullo G, Navis G, Berglund G, Bingham SA, Kooner JS, Paterson AD, Connell JM, Bandinelli S,

Ferrucci L, Watkins H, Spector TD, Tuomilehto J, Altshuler D, Strachan D, Laan M, Meneton P, Wareham NJ, Uda M, Jarvelin M-J, Mooser V, Melander O, Loos RJJ, Elliott P, Abecasis GR, Caulfield M, Munroe PB. Genome-wide association study identifies eight loci associated with blood pressure. *Nature Genetics* 2009;41:666-676.

Lindgren CM, Heid IM, Randall JC, Lamina C, Steinthorsdottir V, Qi L, Speliotes EK, Thorleifsson G, Willer CJ, Herrera BM, Jackson A, Lim N, Scheet P, Soranzo N, Amin N, Aulchenko YS, Chambers JC, Drong A, Luan L, Lyon HN, Rivadeneira F, Sanna S, Timpson NJ, Zillikens MC, Zhao JH, Almgren P, Bandinelli S, Bennett AJ, Bergmann RN, Bonnycastle LL, Bumpstead SJ, Chanock SJ, Cherkas L, Chines P, Coin L, Cooper C, Crawford G, Döring A, Dominiczak A, Doney ASF, Ebrahim S, Elliott P, Erdos MR, Estrada K, Ferrucci L, Fischer G, Forouhi NG, Gieger C, Grallert H, Groves CJ, Grundy S, Guiducci C, Hadley D, **Hamsten A**, Havulinna AS, Hofman A, Holle R, Holloway JW, Illig T, Isomaa B, Jacobs LC, Jameson K, Jousilshiti P, Karpe F, Kuusisto J, Laitinen J, Lathrop GM, Lawlor DA, Mangino M, McArdle WL, Meitinger T, Morken MM, Morris AP, Munroe P, Narisu N, Nordströms A, Nordström P, Oostra BA, Palmer CAN, Payne F, Peden JF, Prokopenko I, Renström F, Ruukonen A, Salomaa V, Sandhu MS, Scott LJ, Scuteri A, Silander K, Song K, Stringham HM, Swift AJ, Tuomi T, Uda M, Vollenweider P, Waeber G, Wallace C, Walters GB, Weedon MN, The Wellcome Trust Case Control Consortium, Wittteman JCM, Zhang C, Zhang W, Caulfield MJ, Collins FS, Davey Smith G, Day INM, Franks PW, Hattersley AT, Hu FB, Jarvelin M-R, Kong A, Kooner JS, Laakso M, Lakatta E, Mooser V, Morris AD, Peltonen L, Samani NJ, Spector TD, Strachan DP, Tanaka T, Tuomilehto J, Uitterlinden AG, van Duin CM, Wareham NJ, Watkins H for the PROCARDIS Consortium, waterworth DM, Boehnke M, Deloukas P, Groop L, Hunter DJ, Thorsteinsdottir U, Schlessinger D, Wichmann H-E, Frayling TM, Abecasis GR, Hirschhorn JN, Loos RJJ, Stefansson K, Mohlke KL, Barroso I, McCarthy MI for the GIANT consortium. Genome wide association scan meta-analysis identifies three loci influencing adiposity and fat distribution. *PLoS Genetics* 2009;5:e1000508.

Elliott P, Chambers JC, Zhang W, Clarke R, Hopewell JC, Peden JF, Erdmann J, Braund P, Engert JC, Hopewell JC, Coin L, Ashby D, Tzoulaki I, Brown IJ, Mt-Isa S, McCarthy MI, Peltonen L, Freimer NB, Farrall M, Ruukonen A, **Hamsten A**, Lim N, Froguel P, Waterworth DM, Vollenweider P, Waeber G, Jarvelin M-R, Mooser V, Scott J, Hall AS, Schunkert H, Anand SS, Collins R, Samani N, Watkins H, Kooner JS. Genetic loci influencing C-reactive protein levels and risk of coronary heart disease. *JAMA* 2009;302:37-48.

Gigante B, Vikström M, Meuzelaar LS, Chernogubova E, Silveira A, van't Hooft FM, **Hamsten A**, de Faire U. Variants in the coagulation factor 2 receptor (F2R) gene influence the risk of myocardial infarction in men through an interaction with interleukin 6 serum levels. *Thrombosis and Haemostasis* 2009;101:943-953.

Paré G, Chasman DI, Parker AN, ZeeRRY, Mälarstig A, Seedorf U, Collins R, Watkins H, **Hamsten A**, Miletich JP, Ridker PM. Novel association of CPS1, MUT, NOX4 and DPEP1 with plasma homocysteine in a healthy population: A genome wide evaluation of 13,974 participants in the Women's Genome Health Study. *Circulation Cardiovascular Genetics* 2009;2:142-150.

Mälarstig, Buil A, Souto JC, Clarke R, Blanco F, Fontcuberta J, Peden J, Andersen M, Silveira A, Barlera S, Seedorf U, Watkins H, Almasly L, **Hamsten A\***, Soria JM\* on behalf of the GAIT and PROCARDIS consortia. Identification of ZNF366 and PTPRD as novel determinants of plasma homocysteine in a family-based genome-wide association study. \*Equal contribution. *Blood* 2009;114:1417-1422.

Chasman DI, Paré G, Mora S, Hopewell JC, Peloso G, Clarke R, Cupples LA, **Hamsten A**, Kathiresan S, Malarstig A, Ordovas JM, Ripatti S, Parker AN, Miletich LP, Ridker PM. Forty-three loci associated with plasma lipoprotein size, concentration, and cholesterol content in genome-wide analysis. *PLoS Genetics* 2009;5:e1000730.

Hägg S, Skogsberg J, Lundström J, Noori P, Nilsson R, Zhong H, Maleki S, Shang MM, Brinne B, Bradshaw M, Bajic VB, Samnegård A, Silveira A, Kaplan LM, Gigante B, Leander K, de Faire U, Rosfors S, Lockowandt U, Liska J, Konrad P, Takolander R, Franco-Cereceda A, Schadt EE, Ivert T, **Hamsten A**, Tegnér J, Björkegren J. Multi-organ gene expression profiling uncovers a gene module in

coronary artery disease involving transendothelial migration of leukocytes and LIM domain binding 2: The Stockholm Atherosclerosis Gene Expression (STAGE) study. *PLoS Genetics* 2009;5:e1000754.

Clarke R\*, Peden JF\*, Hopewell JC\*, Kyriakou T, Goel A, Heath SC, Parish S, Barlera S, Franzosi MG, Rust S, Bennett D, Silveira A, Malarstig A, Green FR, Lathrop M, Gigante B, Leander K, de Faire U, Seedorf U\*, **Hamsten A\***, Collins R\*, Watkins H\*, Farrall M\*, on behalf of the PROCARDIS consortium. Genetic variants associated with Lp(a) lipoprotein level and coronary disease. \*Equal contribution. *New England Journal of Medicine* 2009;361:2518-2528.

Folkersen L, Kyriakou T, Goel A, Peden J, Malarstig A, Paulsson-Berne G, **Hamsten A**, Hugh Watkins, Franco-Cereceda A, Gabrielsen A, Eriksson P; PROCARDIS consortia. Relationship between CAD risk genotype in the chromosome 9p21 locus and gene expression. Identification of eight new ANRIL splice variants. *PLoS One* 2009;4:e7677.