

## Anställning

### Docent

Internmedicin - epidemiologi  
Lunds universitet  
Malmö, Sverige  
2015 sep. 21 → present

### Docent

EpiHealth: Epidemiology for Health  
Lunds universitet  
Malmö, Sverige  
2010 jan. 1 → present

## Forskningsoutput

### **Cardiovascular autonomic function in middle-aged people with long-term cervical and upper thoracic spinal cord injuries**

Hill, M., Jörgensen, S., Engström, G., Persson, M., Platonov, P. G., Hamrefors, V. & Lexell, J., 2024 okt. 11, (E-pub ahead of print) I: *Journal of Spinal Cord Medicine*. s. 1-14

### **Coronary and Carotid Imaging of Atherosclerosis and Contributing Factors in Middle-aged People with Long-term Cervical and Upper Thoracic Spinal Cord Injuries**

Hill, M., Jörgensen, S., Engström, G., Persson, M. & Lexell, J., 2024 mars, I: *PM and R*. 16, 3, s. 250-259 10 s.

### **Pulmonary function and atherosclerosis in the general population: causal associations and clinical implications**

Engström, G., Lampa, E., Dekkers, K., Lin, Y. T., Ahlm, K., Ahlström, H., Alfredsson, J., Bergström, G., Blomberg, A., Brandberg, J., Caidahl, K., Cederlund, K., Duvernoy, O., Engvall, J. E., Eriksson, M. J., Fall, T., Gigante, B., Gummesson, A., Hagström, E. & Hamrefors, V. och 24 andra, Hedner, J., Janzon, M., Jernberg, T., Johnson, L., Lind, L., Lindberg, E., Mannila, M., Nilsson, U., Persson, A., Persson, H. L., Persson, M., Ramnemark, A., Rosengren, A., Schmidt, C., Skoglund Larsson, L., Sköld, C. M., Swahn, E., Söderberg, S., Torén, K., Waldenström, A., Wollmer, P., Zaigham, S., Östgren, C. J. & Sundström, J., 2024, I: *European Journal of Epidemiology*. 39, 1, s. 35-49 15 s.

### **Prevalence of atherosclerosis in individuals with prediabetes and diabetes compared to normoglycaemic individuals—a Swedish population-based study**

Östgren, C. J., Otten, J., Festin, K., Angerås, O., Bergström, G., Cederlund, K., Engström, G., Eriksson, M. J., Eriksson, M., Fall, T., Gummesson, A., Hagström, E., Hellman, U., James, S. K., Jernberg, T., Kihlberg, J., Kylhammar, D., Markstad, H., Nilsson, P. & Persson, A. och 6 andra, Persson, M., Pirazzi, C., Renklint, R., Rosengren, A., Söderberg, S. & Sundström, J., 2023 dec., I: *Cardiovascular Diabetology*. 22, 1, 261.

### **Accelerometer derived physical activity and subclinical coronary and carotid atherosclerosis: cross-sectional analyses in 22703 middle-aged men and women in the SCAPIS study**

Eklom-Bak, E., Börjesson, M., Ekblom, Ö., Angerås, O., Bergman, F., Berntsson, C., Carlhäll, C.-J., Engström, G., Engvall, J., Fagman, E., Flinck, A., Johansson, P., Jujic, A., Kero, T., Lind, L., Mannila, M., Ostenfeld, E., Persson, A., Persson, J. & Persson, M. och 6 andra, Redfors, B., Sandberg, C., Wennberg, P., Öhlin, J., Östgren, C. J. & Jernberg, T., 2023 nov. 23, I: *BMJ Open*. 13, 11, e073380.

### **Body weight at age 20 and in midlife is more important than weight gain for coronary atherosclerosis: results from SCAPIS**

Bergström, G., Rosengren, A., Bacsovcics Brolin, E., Brandberg, J., Cederlund, K., Engström, G., Engvall, J. E., Eriksson, M. J., Gonçalves, I., Hagström, E., James, S. K., Jernberg, T., Lilja, M., Magnusson, M., Persson, A., Persson, M., Sandström, A., Schmidt, C., Skoglund Larsson, L. & Sundström, J. och 6 andra, Swahn, E., Söderberg, S., Torén, K., Östgren, C. J., Lampa, E. & Lind, L., 2023, I: *Atherosclerosis*. 373, s. 46-54 23 s.

### **Functional and structural impairments of the pulmonary system in middle-aged people with cervical and upper thoracic spinal cord injuries**

Hill, M., Jörgensen, S., Engström, G., Persson, M., Wollmer, P. & Lexell, J., 2023, I: *Journal of Spinal Cord Medicine*. 46, 5, s. 732-741

**Plaque characteristics and biomarkers predicting regression and progression of carotid atherosclerosis**

Khan, F., Gonçalves, I., Shore, A. C., Natali, A., Palombo, C., Colhoun, H. M., Östling, G., Casanova, F., Kennbäck, C., Aizawa, K., Persson, M., Gooding, K. M., Strain, D., Looker, H., Dove, F., Belch, J., Pinnola, S., Venturi, E., Kozakova, M. & Nilsson, J., 2022 juli 19, I: Cell Reports Medicine. 3, 7, 100676.

**The inverse association between a fish consumption biomarker and gingival inflammation and periodontitis: A population-based study**

Ottosson, F., Hultgren, L., Fernandez, C., Engström, G., Orho-Melander, M., Kennbäck, C., Persson, M., Demmer, R. T., Melander, O., Klinge, B., Nilsson, P. M. & Jönsson, D., 2022 apr., I: Journal of Clinical Periodontology. 49, 4, s. 353-361 9 s.

**Accelerometer derived physical activity patterns in 27.890 middle-aged adults: The SCAPIS cohort study**

Eklom-Bak, E., Börjesson, M., Bergman, F., Bergström, G., Dahlin-Almevall, A., Drake, I., Engström, G., Engvall, J. E., Gummesson, A., Hagström, E., Hjelmgren, O., Jernberg, T., Johansson, P. J., Lind, L., Mannila, M., Nyberg, A., Persson, M., Reitan, C., Rosengren, A. & Rådholm, K. och 8 andra, Schmidt, C., Sköld, M. C., Sonestedt, E., Sundström, J., Swahn, E., Öhlin, J., Östgren, C. J. & Ekblom, Ö., 2022, I: Scandinavian Journal of Medicine and Science in Sports. 32, 5, s. 866-880

**Aortic Stiffness, Inflammation, and Incidence of Cardiovascular Events in Elderly Participants From the General Population**

Nilsson Wadström, B., Persson, M., Engström, G. & Nilsson, P. M., 2022, I: Angiology. 73, 1, s. 51-59

**Association of arterial stiffness with coronary artery calcium score in the general-population: the Swedish CardioPulmonary biolmage study**

Muhammad, I. F., Engvall, J. E., Persson, M., Borné, Y., Nilsson, P. M., Östgren, C. J. & Engström, G., 2022, I: Journal of Hypertension. 40, 5, s. 933-939

**Associations of Red Cell Distribution Width With Coronary Artery Calcium in the General Population**

Pan, J., Borné, Y., Gonçalves, I., Persson, M. & Engström, G., 2022, I: Angiology. 73, 5, s. 445-452

**Cardiovagal Function Measured by the Deep Breathing Test: Relationships With Coronary Atherosclerosis**

Engström, G., Hamrefors, V., Fedorowski, A., Persson, A., Johansson, M. E., Ostenfeld, E., Goncalves, I., Markstad, H., Johnson, L. S. B., Persson, M., Carlson, J. & Platonov, P. G., 2022, I: Journal of the American Heart Association. 11, 7

**Comparison of risk factors for ischemic stroke and coronary events in a population-based cohort**

Muhammad, I. F., Borné, Y., Zaigham, S., Söderholm, M., Johnson, L., hospital, S., Melander, O. & Engström, G., 2021 nov. 12, I: BMC Cardiovascular Disorders. 21, 1, 536.

**Prevalence of Subclinical Coronary Artery Atherosclerosis in the General Population**

Bergström, G., Persson, M., Adiels, M., Björnson, E., Bonander, C., Ahlström, H., Alfredsson, J., Angerås, O., Berglund, G., Blomberg, A., Brandberg, J., Börjesson, M., Cederlund, K., de Faire, U., Duvernoy, O., Ekblom, Ö., Engström, G., Engvall, J. E., Fagman, E. & Eriksson, M. och 27 andra, Erlinge, D., Fagerberg, B., Flinck, A., Gonçalves, I., Hagström, E., Hjelmgren, O., Lind, L., Lindberg, E., Lindqvist, P., Ljungberg, J., Magnusson, M., Mannila, M., Markstad, H., Mohammad, M. A., Nystrom, F. H., Ostenfeld, E., Persson, A., Rosengren, A., Sandström, A., Själander, A., Sköld, M. C., Sundström, J., Swahn, E., Söderberg, S., Torén, K., Östgren, C. J. & Jernberg, T., 2021 sep. 21, I: Circulation. 144, 12, s. 916-929

**Cadmium exposure and coronary artery atherosclerosis: A cross-sectional population-based study of swedish middle-aged adults**

Barregard, L., Sallsten, G., Harari, F., Andersson, E. M., Forsgard, N., Hjelmgren, O., Angerås, O., Fagman, E., Persson, M., Lundh, T., Borné, Y., Fagerberg, B., Engström, G. & Bergström, G., 2021 juni 1, I: Environmental Health Perspectives. 129, 6, 067007.

**Circulating levels of growth hormone in postural orthostatic tachycardia syndrome**

Johansson, M., Ricci, F., Schulte, J., Persson, M., Melander, O., Sutton, R., Hamrefors, V. & Fedorowski, A., 2021 apr. 21, I: Scientific Reports. 11, 8575.

**Systematic Coronary Risk Evaluation estimated risk and prevalent subclinical atherosclerosis in coronary and carotid arteries: A population-based cohort analysis from the Swedish Cardiopulmonary Bioimage Study**

Östgren, C. J., Söderberg, S., Festin, K., Angerås, O., Bergström, G., Blomberg, A., Brandberg, J., Cederlund, K., Eliasson, M., Engström, G., Erlinge, D., Fagman, E., Hagström, E., Lind, L., Mannila, M., Nilsson, U., Oldgren, J., Ostenfeld, E., Persson, A. & Persson, J. och 6 andra, Persson, M., Rosengren, A., Sundström, J., Swahn, E., Engvall, J. E. & Jernberg, T., 2021 mars 1, I: *European Journal of Preventive Cardiology*. 28, 3, s. 250-259 10 s.

**Comparisons of Risk Factors for Abdominal Aortic Aneurysm and Coronary Heart Disease: A Prospective Cohort Study**

Xiao, J., Borné, Y., Bao, X., Persson, M., Gottsäter, A., Acosta, S. & Engström, G., 2021 jan. 1, I: *Angiology*. 72, 1, s. 24-31 8 s.

**Glucose-Dependent Insulinotropic Peptide in the High-Normal Range Is Associated With Increased Carotid Intima-Media Thickness**

Jujić, A., Nilsson, P. M., Atabaki-Pasdar, N., Dieden, A., Tuomi, T., Franks, P. W., Holst, J. J., Torekov, S. S., Ravassa, S., Díez, J., Persson, M., Ahlqvist, E., Melander, O., Gomez, M. F., Groop, L. & Magnusson, M., 2021 jan., I: *Diabetes Care*. 44, 1, s. 224-230 7 s.

**Carotid-Femoral Pulse Transit Time Variability Predicted Mortality and Improved Risk Stratification in the Elderly**

An, D.-W., Muhammad, I. F., Li, M.-X., Borné, Y., Sheng, C.-S., Persson, M., Cai, R.-Z., Guo, Q.-H., Wang, J.-G., Engström, G., Li, Y. & Nilsson, P. M., 2021, I: *Hypertension*. 78, 5, s. 1287-1295 9 s.

**Copeptin as a marker of atherosclerosis and arteriosclerosis**

Schill, F., Persson, M., Engström, G., Melander, O. & Enhörning, S., 2021, I: *Atherosclerosis*. 338, s. 64-68

**Surveillance of indeterminate pulmonary nodules detected with CT in a Swedish population-based study (SCAPIS): psychosocial consequences and impact on health-related quality of life-a multicentre prospective cross-sectional study**

Andersson, E., Dai Ydrefelt, Y., Johannesson, M., Lundbäck, M., Mannila, M., Persson, M., Swahn, E. & Bolejko, A., 2021, I: *BMJ Open*. 11, 9, e048721.

**The association between carotid-femoral pulse-wave velocity and lung function in the Swedish CARDioPulmonary bioimage study (SCAPIS) cohort**

Zaigham, S., Östgren, C.-J., Persson, M., Muhammad, I. F., Nilsson, P. M., Wollmer, P., Engvall, J. & Engström, G., 2021, I: *Respiratory Medicine*. 185, 106504.

**The associations between red cell distribution width and lung function measures in a general population**

Pan, J., Zaigham, S., Persson, M., Borné, Y., Wollmer, P. & Engström, G., 2021, I: *Respiratory Medicine*. 185, 106467.

**The Malmö Offspring Study (MOS): design, methods and first results**

Brunkwall, L., Jönsson, D., Ericson, U., Hellstrand, S., Kennbäck, C., Östling, G., Jujic, A., Melander, O., Engström, G., Nilsson, J., Ohlsson, B., Klinge, B., Orho-Melander, M., Persson, M. & Nilsson, P. M., 2021, I: *European Journal of Epidemiology*. 36, 1, s. 103-116

**Identification of the major rabbit and guinea pig semen coagulum proteins and description of the diversity of the REST gene locus in the mammalian clade Glires**

Lundwall, Å., Persson, M., Hansson, K. & Jonsson, M., 2020 okt., I: *PLoS ONE*. 15, 10 October, e0240607.

**Glucose-dependent insulinotropic peptide and risk of cardiovascular events and mortality: a prospective study**

Jujić, A., Atabaki-Pasdar, N., Nilsson, P. M., Almgren, P., Hakaste, L., Tuomi, T., Berglund, L. M., Franks, P. W., Holst, J. J., Prasad, R. B., Torekov, S. S., Ravassa, S., Díez, J., Persson, M., Melander, O., Gomez, M. F., Groop, L., Ahlqvist, E. & Magnusson, M., 2020 maj, I: *Diabetologia*. 63, 5, s. 1043-1054 12 s.

**Gamma-glutamyltransferase, arterial remodeling and prehypertension in a healthy population at low cardiometabolic risk**

Kozakova, M., Gastaldelli, A., Morizzo, C., Højlund, K., Nilsson, P. M., Ferrannini, E., Nilssone, P. (medarbetare), Persson, M. (medarbetare), Östling, G. (medarbetare), Melander, O. (medarbetare), Burri, P. (medarbetare), Palombo, C. & RISC Investigators, 2020 apr. 29, I: *Journal of Human Hypertension*.

### **Measures of lung function and their relationship with advanced glycation end-products**

Zaigham, S., Persson, M., Jujic, A., Frantz, S., Borné, Y., Malinowski, A., Wollmer, P. & Engström, G., 2020 apr., I: ERJ Open Research. 6, 2, 00356-2019.

### **Weight gain and blood pressure**

Sundström, J., Lind, L., Lampa, E., Angerås, O., Bachus, E., Bergström, G., Carlberg, B., Engström, G., Engvall, J. E., Eriksson, M., Gigante, B., Hagström, E., Hjelmgren, O., Jansson, J.-H., Jernberg, T., Mannila, M., Nyström, F. H., Oldgren, J., Persson, M. & Sandström, A. och 5 andra, Swahn, E., Söderberg, S., Torén, K., Östgren, C. J. & Rosengren, A., 2020 mars, I: Journal of Hypertension. 38, 3, s. 387-394 8 s.

### **Heart rate and premature atrial contractions at 24hECG independently predict atrial fibrillation in a population-based study**

Persson, A. P., Fedorowski, A., Hedblad, B., Persson, M., Juul-Möller, S., Engström, G. & Johnson, L. S. B., 2020 feb., I: Heart. 106, 4, s. 287-291 5 s.

### **Blood cadmium concentration and risk of subarachnoid haemorrhage**

Söderholm, M., Borné, Y., Hedblad, B., Persson, M., Barregard, L. & Engström, G., 2020 jan., I: Environmental Research. 180, s. 108826

### **Serum Activity Against G Protein-Coupled Receptors and Severity of Orthostatic Symptoms in Postural Orthostatic Tachycardia Syndrome**

Kharraziha, I., Axelsson, J., Ricci, F., Di Martino, G., Persson, M., Sutton, R., Fedorowski, A. & Hamrefors, V., 2020, I: Journal of the American Heart Association. 9, 15, e015989.

### **The Swedish SPinal Cord Injury Study on Cardiopulmonary and Autonomic Impairment (SPICA): Methodology, Cohort Demographics and Initial Results**

Hill, M., Jörgensen, S., Engström, G., Persson, M. & Lexell, J., 2020, I: American Journal of Physical Medicine and Rehabilitation. 99, 6, s. 522-531

### **Water Supplementation Reduces Copeptin and Plasma Glucose in Adults With High Copeptin: The H2O Metabolism Pilot Study**

Enhörning, S., Brunkwall, L., Tasevska, I., Ericson, U., Persson Tholin, J., Persson, M., Lemetals, G., Vanhaecke, T., Dolci, A., Perrier, E. T. & Melander, O., 2019 juni 1, I: The Journal of clinical endocrinology and metabolism. 104, 6, s. 1917-1925 9 s.

### **Biomarkers of blood cadmium and incidence of cardiovascular events in non-smokers: Results from a population-based proteomics study**

Borné, Y., Fagerberg, B., Sallsten, G., Hedblad, B., Persson, M., Melander, O., Nilsson, J., Orho-Melander, M., Barregard, L. & Engström, G., 2019 maj 15, I: Clinical Proteomics. 16, 1, 21.

### **Lp-PLA<sub>2</sub> activity and mass and CRP are associated with incident symptomatic peripheral arterial disease**

Fatemi, S., Gottsäter, A., Zarrouk, M., Engström, G., Melander, O., Persson, M. & Acosta, S., 2019 apr. 4, I: Scientific Reports. 9, 1, 5609.

### **Complement C3 and incident hospitalization due to chronic kidney disease: a population-based cohort study**

Bao, X., Borné, Y., Muhammad, I. F., Schulz, C. A., Persson, M., Orho-Melander, M., Niu, K., Christensson, A. & Engström, G., 2019 feb. 21, I: BMC Nephrology. 20, 61.

### **Metformin is the key factor in elevated plasma growth differentiation factor-15 levels in type 2 diabetes: A nested, case-control study**

Natali, A., Nesti, L., Venturi, E., Shore, A. C., Khan, F., Gooding, K., Gates, P. E., Looker, H. C., Dove, F., Goncalves, I., Persson, M., Nilsson, J. & SUMMIT Consortium, 2019 feb., I: Diabetes, Obesity and Metabolism. 21, 2, s. 412-416

### **Difference in the risk profiles of carotid-femoral pulse wave velocity: results from two community-based studies in China and Sweden**

Guo, Q. H., Muhammad, I. F., Borné, Y., Sheng, C. S., Persson, M., Wang, J. G., Engström, G., Li, Y. & Nilsson, P. M., 2019 jan. 15, I: Journal of Human Hypertension.

**Effects of hydration on plasma copeptin, glycemia and gluco-regulatory hormones: a water intervention in humans**

Enhörning, S., Tasevska, I., Roussel, R., Bouby, N., Persson, M., Burri, P., Bankir, L. & Melander, O., 2019, I: European Journal of Nutrition. 58, 1, s. 315-324 10 s.

**Elevated circulating effector memory T cells but similar levels of regulatory T cells in patients with type 2 diabetes mellitus and cardiovascular disease**

Rattik, S., Engelbertsen, D., Wigren, M., Ljungcrantz, I., Östling, G., Persson, M., Nordin Fredrikson, G., Bengtsson, E., Nilsson, J. & Björkbacka, H., 2019, I: Diabetes and Vascular Disease Research. 16, 3, s. 270-280

**Midregional proadrenomedullin predicts reduced blood pressure and glucose elevation over time despite enhanced progression of obesity markers**

Ohlsson, T., Nilsson, P. M., Persson, M. & Melander, O., 2019, I: Journal of Hypertension. 37, 3, s. 590-595 6 s.

**Skin autofluorescence as a measure of advanced glycation end product levels is associated with carotid atherosclerotic plaque burden in an elderly population**

Jujić, A., Östling, G., Persson, M., Engström, G., Nilsson, P. M., Melander, O. & Magnusson, M., 2019, I: Diabetes & Vascular Disease Research. 16, 5, s. 466-473

**Use of Vascular Assessments and Novel Biomarkers to Predict Cardiovascular Events in Type 2 Diabetes: The SUMMIT VIP Study**

Shore, A. C., Colhoun, H. M., Natali, A., Palombo, C., Khan, F., Östling, G., Aizawa, K., Kennbäck, C., Casanova, F., Persson, M., Gooding, K., Gates, P. E., Looker, H., Dove, F., Belch, J., Pinnola, S., Venturi, E., Kozakova, M., Goncalves, I. & Kravic, J. och 3 andra, Björkbacka, H., Nilsson, J. & SUMMIT Consortium, 2018 okt., I: Diabetes Care. 41, 10, s. 2212-2219 8 s.

**Effects on the glucagon response to hypoglycaemia during DPP-4 inhibition in elderly subjects with type 2 diabetes: A randomized, placebo-controlled study**

Farngren, J., Persson, M. & Åhrén, B., 2018 aug., I: Diabetes, Obesity and Metabolism. 20, 8, s. 1911-1920

**Different glucagon effects during DPP-4 inhibition versus SGLT-2 inhibition in metformin-treated type 2 diabetes patients**

Alsalam, W., Persson, M. & Åhrén, B., 2018 juli, I: Diabetes, Obesity and Metabolism. 20, 7, s. 1652-1658

**Comparing the inflammatory profiles for incidence of diabetes mellitus and cardiovascular diseases: A prospective study exploring the 'common soil' hypothesis**

Bao, X., Borné, Y., Johnson, L., Muhammad, I. F., Persson, M., Niu, K. & Engström, G., 2018 juni 12, I: Cardiovascular Diabetology. 17, 1, 87.

**Arterial stiffness and incidence of diabetes: A population-based cohort study**

Muhammad, I. F., Borné, Y., Östling, G., Kennbäck, C., Gottsäter, M., Persson, M., Nilsson, P. M. & Engström, G., 2017 dec. 1, I: Diabetes Care. 40, 12, s. 1739-1745 7 s.

**Cadmium, carotid atherosclerosis, and incidence of ischemic stroke**

Borné, Y., Fagerberg, B., Persson, M., Östling, G., Söderholm, M., Hedblad, B., Sallsten, G., Barregard, L. & Engström, G., 2017 dec. 1, I: Journal of the American Heart Association. 6, 12, e006415.

**Genetic determinants of growth hormone and GH-related phenotypes**

Hallengren, E., Almgren, P., Svensson, M., Gallo, W., Engström, G., Persson, M. & Melander, O., 2017 okt. 24, I: BMC Genomics. 18, s. 1-9 822.

**Eosinophil Cationic Protein, Carotid Plaque, and Incidence of Stroke**

Sundström, J., Söderholm, M., Borné, Y., Nilsson, J., Persson, M., Östling, G., Melander, O., Orho-Melander, M. & Engström, G., 2017 okt. 1, I: Stroke. 48, 10, s. 2686-2692 7 s.

**Acute phase proteins as prospective risk markers for arterial stiffness: The Malmö Diet and Cancer cohort**

Muhammad, I. F., Borné, Y., Östling, G., Kennbäck, C., Gottsäter, M., Persson, M., Nilsson, P. M. & Engström, G., 2017 juli 1, I: PLoS ONE. 12, 7, e0181718.

**Lp-PLA<sub>2</sub> activity and mass for prediction of incident abdominal aortic aneurysms: A prospective longitudinal cohort study**

Acosta, S., Taimour, S., Gottsäter, A., Persson, M., Engström, G., Melander, O., Zarrouk, M., Nilsson, P. M. & Smith, J. G., 2017 juli 1, I: Atherosclerosis. 262, s. 14-18

**Circulating cadmium concentration and risk of aortic aneurysms: A nested case-control study within the Malmö Diet and Cancer cohort**

Fagerberg, B., Borné, Y., Sallsten, G., Smith, G., Acosta, S., Persson, M., Melander, O., Forsgard, N., Gottsäter, A., Hedblad, B., Barregard, L. & Engström, G., 2017 juni 1, I: Atherosclerosis. 261, s. 37-43 7 s.

**Fasting levels of growth hormone are associated with carotid intima media thickness but are not affected by fluvastatin treatment**

Hallengren, E., Almgren, P., Rosvall, M., Östling, G., Persson, M., Bergmann, A., Struck, J., Engström, G., Hedblad, B. & Melander, O., 2017 maj 16, I: BMC Cardiovascular Disorders. 17, 1, 125.

**Soluble Urokinase-type Plasminogen Activator Receptor (suPAR) and Impaired Kidney Function in the Population-based Malmö Diet and Cancer Study**

Schulz, C.-A., Persson, M., Christensson, A., Hindy, G., Almgren, P., Nilsson, P. M., Melander, O., Engström, G. & Orho-Melander, M., 2017 mars, I: Kidney International Reports. 2, 2, s. 239-247 9 s.

**Cadmium exposure is associated with soluble urokinase plasminogen activator receptor, a circulating marker of inflammation and future cardiovascular disease**

Fagerberg, B., Borné, Y., Barregard, L., Sallsten, G., Forsgard, N., Hedblad, B., Persson, M. & Engström, G., 2017 jan. 1, I: Environmental Research. 152, s. 185-191 7 s.

**Association between renin and atherosclerotic burden in subjects with and without type 2 diabetes**

Gonçalves, I., Edsfieldt, A., Colhoun, H. M., Shore, A. C., Palombo, C., Natali, A., Fredrikson, G. N., Björkbacka, H., Wigren, M., Bengtsson, E., Östling, G., Aizawa, K., Casanova, F., Persson, M., Gooding, K., Gates, P., Khan, F., Looker, H. C., Adams, F. & Belch, J. och 6 andra, Pinnola, S., Venturi, E., Kozakova, M., Gan, L. M., Schneck, V. & Nilsson, J., 2016 sep. 5, I: BMC Cardiovascular Disorders. 16, 1, s. 1-10 10 s., 171.

**Plasma variation and reproducibility of oxidized LDL-cholesterol and low-grade inflammation biomarkers among participants of the Malmö Diet and Cancer cohort**

Alves Dias, J., Hellstrand, S., Ericson, U., Gullberg, B., Nilsson, J., Alm, R., Persson, M., Engström, G., Nordin Fredrikson, G., Hedblad, B. & Wirfält, E., 2016 aug. 17, I: Biomarkers. 21, 6, s. 562-571

**Orosomuroid, carotid plaque, and incidence of stroke**

Berntsson, J., Östling, G., Persson, M., Smith, J. G., Hedblad, B. & Engström, G., 2016 juli 1, I: Stroke: a journal of cerebral circulation. 47, 7, s. 1858-1863 6 s.

**Increased Levels of Copeptin, a Surrogate Marker of Arginine Vasopressin, Are Associated with an Increased Risk of Chronic Kidney Disease in a General Population**

Tasevska, I., Enhörning, S., Christensson, A., Persson, M., Nilsson, P. M. & Melander, O., 2016 juli, I: American Journal of Nephrology. 44, 1, s. 22-28 7 s.

**Genome wide association study identifies two loci associated with cadmium in erythrocytes among never-smokers**

Borné, Y., Söderholm, M., Barregard, L., Fagerberg, B., Persson, M., Melander, O., Thévenod, F., Hedblad, B. & Engström, G., 2016 juni 22, I: Human Molecular Genetics. 25, 11, s. 2342-2348

**Diet quality and change in blood lipids during 16 years of follow-up and their interaction with genetic risk for dyslipidemia**

Sonestedt, E., Hellstrand, S., Drake, I., Schulz, C. A., Ericson, U., Hlebowicz, J., Persson, M. M., Gullberg, B., Hedblad, B., Engström, G. & Orho-Melander, M., 2016 maj 9, I: Nutrients. 8, 5, 274.

**Cystatin C and risk of diabetes and the metabolic syndrome - Biomarker and genotype association analyses**

Magnusson, M., Molvin, J., Engström, G., Svensson, P., Persson, M., Christensson, A., Nilsson, P. & Melander, O., 2016 maj 1, I: PLoS ONE. 11, 5, e0155735.

**Acute-phase proteins and incidence of diabetes: a population-based cohort study**

Muhammad, I. F., Borné, Y., Hedblad, B., Nilsson, P. M., Persson, M. & Engström, G., 2016, I: Acta Diabetologica. 53, 6, s. 981-989 9 s.

**Atrial Natriuretic Peptide in the high normal range is associated with lower prevalence of insulin resistance.**

Jujic, A., Nilsson, P., Persson, M., Holst, J. J., Torekov, S. S., Lyssenko, V., Groop, L., Melander, O. & Magnusson, M., 2016, I: The Journal of clinical endocrinology and metabolism. 101, 4, s. 1372-1380

**Blood cadmium levels and incident cardiovascular events during follow-up in a population-based cohort of swedish adults: The malmö diet and cancer study**

Barregard, L., Sallsten, G., Fagerberg, B., Borné, Y., Persson, M., Hedblad, B. & Engström, G., 2016, I: Environmental Health Perspectives. 124, 5, s. 594-600 7 s.

**Copeptin predicts coronary artery disease cardiovascular and total mortality.**

Tasevska, I., Enhörning, S., Persson, M., Nilsson, P. & Melander, O., 2016, I: Heart. 102, 2, s. 127-132

**Effect of the GLP-1 Receptor Agonist Lixisenatide on Counter-Regulatory Responses to Hypoglycemia in Subjects With Insulin-Treated Type 2 Diabetes.**

Farngren, J., Persson, M. & Åhrén, B., 2016, I: Diabetes Care. 39, 2, s. 242-249

**Low Levels of Apolipoprotein B-100 Autoantibodies Are Associated With Increased Risk of Coronary Events.**

Björkbacka, H., Alm, R., Persson, M., Hedblad, B., Nilsson, J. & Nordin Fredrikson, G., 2016, I: Arteriosclerosis, Thrombosis and Vascular Biology. 36, s. 765-771

**No association between glucose at age 30 and aortic diameter at age 65 in men: a population-based study.**

Persson, M., Zarrouk, M., Holst, J., Nilsson, P. & Gottsäter, A., 2016, I: Scandinavian cardiovascular journal : SCJ. 50, 2, s. 119-122

**A high quality diet is associated with reduced systemic inflammation in middle-aged individuals.**

Alves Dias, J., Wirfält, E., Drake, I., Gullberg, B., Hedblad, B., Persson, M., Engström, G., Nilsson, J., Schiopu, A., Nordin Fredrikson, G. & Björkbacka, H., 2015, I: Atherosclerosis. 238, 1, s. 38-44

**Analysis of Low Frequency Protein Truncating Stop-Codon Variants and Fasting Concentration of Growth Hormone.**

Hallengren, E., Almgren, P., Engström, G., Persson, M. & Melander, O., 2015, I: PLoS ONE. 10, 6, e0128348.

**Cadmium exposure and incidence of heart failure and atrial fibrillation: a population-based prospective cohort study.**

Borné, Y., Barregard, L., Persson, M., Hedblad, B., Fagerberg, B. & Engström, G., 2015, I: BMJ Open. 5, 6, s. e007366

**Cystatin C Is Not Causally Related to Coronary Artery Disease.**

Svensson, P., Almgren, P., Hedblad, B., Engström, G., Persson, M., Christensson, A. & Melander, O., 2015, I: PLoS ONE. 10, 6, e0129269.

**Elevated Plasma Levels of MMP-12 Are Associated With Atherosclerotic Burden and Symptomatic Cardiovascular Disease in Subjects With Type 2 Diabetes.**

Goncalves, I., Bengtsson, E., Colhoun, H. M., Shore, A. C., Palombo, C., Natali, A., Edsfieldt, A., Dunér, P., Nordin Fredrikson, G., Björkbacka, H., Östling, G., Aizawa, K., Casanova, F., Persson, M., Gooding, K., Strain, D., Kahn, F., Looker, H. C., Adams, F. & Belch, J. och 6 andra, Pinnoli, S., Venturi, E., Kozakova, M., Gan, L.-M., Schneck, V. & Nilsson, J., 2015, I: Arteriosclerosis, Thrombosis and Vascular Biology. 35, 7, s. 1723-1731

**Measures of atherosclerotic burden are associated with clinically manifest cardiovascular disease in type 2 diabetes: a European cross-sectional study**

Shore, A. C., Colhoun, H. M., Natali, A., Palombo, C., Östling, G., Aizawa, K., Kennback, C., Casanova, F., Persson, M., Gooding, K., Gates, P. E., Khan, F., Looker, H. C., Adams, F., Belch, J., Pinnoli, S., Venturi, E., Morizzo, C., Goncalves, I. & Ladenvall, C. och 1 andra, Nilsson, J., 2015, I: *Journal of Internal Medicine*. 278, 3, s. 291-302

**Non-hemodynamic predictors of arterial stiffness after 17 years of follow-up: the Malmö Diet and Cancer study.**

Gottsäter, M., Östling, G., Persson, M., Engström, G., Melander, O. & Nilsson, P., 2015, I: *Journal of Hypertension*. 33, 5, s. 957-965

**Red cell distribution width in relation to incidence of stroke and carotid atherosclerosis: a population-based cohort study.**

Söderholm, M., Borné, Y., Hedblad, B., Persson, M. & Engström, G., 2015, I: *PLoS ONE*. 10, 5, e0124957.

**Risk factors for the progression of carotid intima-media thickness over a 16-year follow-up period: The Malmö Diet and Cancer Study.**

Rosvall, M., Persson, M., Östling, G., Nilsson, P., Melander, O., Hedblad, B. & Engström, G., 2015, I: *Atherosclerosis*. 239, 2, s. 615-621

**Soluble urokinase plasminogen activator receptor and incidence of venous thromboembolism.**

Engström, G., Zöller, B., Svensson, P., Melander, O. & Persson, M., 2015, I: *Thrombosis and Haemostasis*. 115, 3, s. 657-662

**The effect of smoking on carotid intima-media thickness progression rate and rate of lumen diameter reduction.**

Hansen, K., Östling, G., Persson, M., Nilsson, P., Melander, O., Engström, G., Hedblad, B. & Rosvall, M., 2015, I: *European Journal of Internal Medicine*.

**The Swedish CARDioPulmonary Biolmage Study: objectives and design.**

Bergström, G., Berglund, G., Blomberg, A., Brandberg, J., Engström, G., Engvall, J., Eriksson, M., de Faire, U., Flinck, A., Hansson, M. G., Hedblad, B., Hjelmgren, O., Janson, C., Jernberg, T., Johnsson, Å., Johansson, L., Lind, L., Löfdahl, C.-G., Melander, O. & Östgren, C. J. och 12 andra, Persson, A., Persson, M., Sandström, A., Schmidt, C., Söderberg, S., Sundström, J., Toren, K., Waldenström, A., Wedel, H., Vikgren, J., Fagerberg, B. & Rosengren, A., 2015, I: *Journal of Internal Medicine*. 278, 6, s. 645-659

**Cadmium exposure and incidence of diabetes mellitus - results from the malmö diet and cancer study.**

Borné, Y., Fagerberg, B., Persson, M., Sallsten, G., Forsgard, N., Hedblad, B., Barregard, L. & Engström, G., 2014, I: *PLoS ONE*. 9, 11, e112277.

**Carotid intima-media thickness is associated with incidence of hospitalized atrial fibrillation.**

Adamsson Eryd, S., Östling, G., Rosvall, M., Persson, M., Smith, G., Melander, O., Hedblad, B. & Engström, G., 2014, I: *Atherosclerosis*. 233, 2, s. 673-678

**Carotid plaque, intima-media thickness, and incident aortic stenosis: a prospective cohort study.**

Martinsson, A., Östling, G., Persson, M., Sundquist, K., Andersson, C., Melander, O., Engström, G., Hedblad, B. & Smith, G., 2014, I: *Arteriosclerosis, Thrombosis and Vascular Biology*. 34, 10, s. 2343

**Cystatin C identifies cardiovascular risk better than creatinine-based estimates of glomerular filtration in middle-aged individuals without a history of cardiovascular disease.**

Svensson, P., Ohlson Andersson, M., Almgren, P., Hedblad, B., Engström, G., Persson, M., Christensson, A. & Melander, O., 2014, I: *Journal of Internal Medicine*. 275, 5, s. 506-521

**Fasting levels of high-sensitivity growth hormone predict cardiovascular morbidity and mortality: the malmö diet and cancer study.**

Hallengren, E., Almgren, P., Engström, G., Hedblad, B., Persson, M., Suhr, J., Bergmann, A. & Melander, O., 2014, I: *Journal of the American College of Cardiology*. 64, 14, s. 1452-1460



**Glucagon dynamics during hypoglycaemia and food-re-challenge following treatment with vildagliptin in insulin-treated patients with type 2 diabetes.**

Farngren, J., Persson, M., Schweizer, A., Foley, J. E. & Ahrén, B., 2014, I: Diabetes, Obesity and Metabolism. 16, 9, s. 812-818

**Increased carotid plaque burden in men with the fibrillin-1 2/3 genotype**

De Basso, R., Hedblad, B., Carlson, J., Persson, M., Östling, G. & Lanne, T., 2014, I: Clinical and Experimental Pharmacology and Physiology. 41, 9, s. 637-642

**Increased plasma level of soluble urokinase plasminogen activator receptor is associated with incidence of heart failure but not atrial fibrillation.**

Borné, Y., Persson, M., Melander, O., Smith, G. & Engström, G., 2014, I: European Journal of Heart Failure. 16, 4, s. 377-383

**Red cell distribution width, haemoglobin A1c and incidence of diabetes mellitus.**

Engström, G., Smith, G., Persson, M., Nilsson, P., Melander, O. & Hedblad, B., 2014, I: Journal of Internal Medicine. 276, 2, s. 174-183

**Response to letter to the editor 'Is red cell distribution width a biomarker in risk assessment of diabetes mellitus?'**

Engström, G., Smith, G., Persson, M., Nilsson, P., Melander, O. & Hedblad, B., 2014, I: Journal of Internal Medicine. 276, 5, s. 538-538

**Response to Letter to the Editor 'Red cell distribution width in patients with atrial fibrillation'**

Adamsson Eryd, S., Borné, Y., Melander, O., Persson, M., Smith, G., Hedblad, B. & Engström, G., 2014, I: Journal of Internal Medicine. 275, 5, s. 544-544

**Soluble Urokinase Plasminogen Activator Receptor: A Risk Factor for Carotid Plaque, Stroke, and Coronary Artery Disease.**

Persson, M., Östling, G., Smith, G., Hamrefors, V., Melander, O., Hedblad, B. & Engström, G., 2014, I: Stroke: a journal of cerebral circulation. 45, 1, s. 18-23

**A high diet quality is associated with lower incidence of cardiovascular events in the malmö diet and cancer cohort.**

Hlebowicz, J., Drake, I., Gullberg, B., Sonestedt, E., Wallström, P., Persson, M., Nilsson, J., Hedblad, B. & Wirfält, E., 2013, I: PLoS ONE. 8, 8, e71095.

**Comparison of grey scale median (GSM) measurement in ultrasound images of human carotid plaques using two different softwares.**

Östling, G., Persson, M., Hedblad, B. & Goncalves, I., 2013, I: Clinical Physiology and Functional Imaging. 33, 6, s. 431-435

**Diabetes Mellitus and Elevated Copeptin Levels in Middle Age Predict Low Cognitive Speed after Long-Term Follow-Up.**

Tufvesson, E., Melander, O., Minthon, L., Persson, M., Nilsson, P., Struck, J. & Nägga, K., 2013, I: Dementia and Geriatric Cognitive Disorders. 35, 1-2, s. 67-76

**Dietary fiber and saturated fat intake associations with cardiovascular disease differ by sex in the malmö diet and cancer cohort: a prospective study.**

Wallström, P., Sonestedt, E., Hlebowicz, J., Ericson, U., Drake, I., Persson, M., Gullberg, B., Hedblad, B. & Wirfält, E., 2012, I: PLoS ONE. 7, 2, e31637.

**Low Levels of Circulating CD4+FoxP3+ T Cells Are Associated With an Increased Risk for Development of Myocardial Infarction But Not for Stroke.**

Wigren, M., Björkbacka, H., Andersson, L., Ljungcrantz, I., Nordin Fredrikson, G., Persson, M., Bryngelsson, C., Hedblad, B. & Nilsson, J., 2012, I: Arteriosclerosis, Thrombosis and Vascular Biology. 32, 8, s. 2000-2007

**Low Plasma Level of Atrial Natriuretic Peptide Predicts Development of Diabetes: The Prospective Malmo Diet and Cancer Study.**

Magnusson, M., Jujic, A., Hedblad, B., Engström, G., Persson, M., Struck, J., Morgenthaler, N. G., Nilsson, P., Newton-Cheh, C., Wang, T. J. & Melander, O., 2012, I: The Journal of clinical endocrinology and metabolism. 97, 2, s. 638-645

**Orthostatic blood pressure response, carotid intima-media thickness, and plasma fibrinogen in older nondiabetic adults.**

Fedorowski, A., Östling, G., Persson, M., Struck, J., Engström, G., Nilsson, P., Hedblad, B. & Melander, O., 2012, I: Journal of Hypertension. 30, 3, s. 522-529

**Scoring models of a diet quality index and the predictive capability of mortality in a population-based cohort of Swedish men and women.**

Drake, I., Gullberg, B., Sonestedt, E., Wallström, P., Persson, M., Hlebowicz, J., Nilsson, J., Hedblad, B. & Wirfält, E., 2012, I: Public Health Nutrition. May 29, s. 1-11

**Soluble urokinase plasminogen activator receptor in plasma is associated with incidence of CVD. Results from the Malmö Diet and Cancer Study.**

Persson, M., Engström, G., Björkbacka, H. & Hedblad, B., 2012, I: Atherosclerosis. 220, 2, s. 502-505

**Soluble Urokinase Plasminogen Activator Receptor is Associated With Inflammation in the Vulnerable Human Atherosclerotic Plaque.**

Edsfeldt, A., Nitulescu, M., Grufman, H., Grönberg, C., Persson, A., Nilsson, M. M., Persson, M., Björkbacka, H. & Goncalves, I., 2012, I: Stroke: a journal of cerebral circulation. 43, 12, s. 3305-3312

**Vildagliptin Reduces Glucagon during Hyperglycemia and Sustains Glucagon Counterregulation during Hypoglycemia in Type 1 Diabetes.**

Fangren, J., Persson, M., Schweizer, A., Foley, J. E. & Ahrén, B., 2012, I: The Journal of clinical endocrinology and metabolism. 97, 10, s. 3799-3806

**Food patterns, inflammation markers and incidence of cardiovascular disease: the Malmö Diet and Cancer study.**

Hlebowicz, J., Persson, M., Gullberg, B., Sonestedt, E., Wallström, P., Drake, I., Nilsson, J., Hedblad, B. & Wirfält, E., 2011, I: Journal of Internal Medicine. 270, s. 365-376

**The association between glucometabolic disturbances, traditional cardiovascular risk factors and self-rated health by age and gender: A cross-sectional analysis within the Malmo Preventive Project**

Leosdottir, M., Willenheimer, R., Persson, M. & Nilsson, P., 2011, I: Cardiovascular Diabetology. 10, 118

**Lipoprotein-associated phospholipase A<sub>2</sub> and risk of coronary disease, stroke, and mortality: Collaborative analysis of 32 prospective studies**

Berglund, G. (medarbetare), Persson, M. (medarbetare) & The Lp-PLA Studies Collaboration, 2010 jan. 1, I: The Lancet. 375, 9725, s. 1536-1544 9 s.

**Novel and conventional biomarkers for prediction of incident cardiovascular events in the community.**

Melander, O., Newton-Cheh, C., Almgren, P., Hedblad, B., Berglund, G., Engström, G., Persson, M., Smith, G., Magnusson, M., Christensson, A., Struck, J., Morgenthaler, N. G., Bergmann, A., Pencina, M. J. & Wang, T. J., 2009, I: JAMA: The Journal of the American Medical Association. 302, 1, s. 49-57

**Vildagliptin Enhances Islet Responsiveness to Both Hyper- and Hypoglycemia in Patients with Type 2 Diabetes.**

Ahrén, B., Schweizer, A., Dejager, S., Dunning, B. E., Nilsson, P., Persson, M. & Foley, J. E., 2009, I: Journal of Clinical Endocrinology and Metabolism. 94, s. 1236-1243

**Lipoprotein-associated phospholipase A2 (Lp-PLA2) Impact and role as cardiovascular risk marker**

Persson, M., 2008, Department of Clinical Sciences, Lund University. 136 s.

**Lp-PLA(2) activity and mass are associated with increased incidence of ischemic stroke - A population-based cohort study from Malmö, Sweden**

Persson, M., Berglund, G., Nelson, J. J. & Hedblad, B., 2008, I: *Atherosclerosis*. 200, 1, s. 191-198 8 s.

**Vildagliptin improves alpha cell glucose sensing in patients with type 2 diabetes**

Ahrén, B., Schweizer, A., Dejager, S., Dunning, B. E., Persson, M. & Foley, J. E., 2008, I: *Diabetologia*. 51, S1, s. S36-S37

**Collaborative meta-analysis of individual participant data from observational studies of Lp-PLA2 and cardiovascular diseases**

Ballantyne, C., Cushman, M., Psaty, B., Furberg, C., Khaw, K. T., Sandhu, M., Oldgren, J., Rossi, G. P., Maiolino, G., Cesari, M., Lenzini, L., James, S. K., Rimm, E., Collins, R., Anderson, J., Koenig, W., Brenner, H., Rothenbacher, D., Berglund, G. & Persson, M. och 31 andra, Berger, P., Brilakis, E., McConnell, J. P., Sacco, R., Elkind, M., Talmud, P., Cannon, C. P., Packard, C., Barrett-Connor, E., Hofman, A., Kardys, I., Wittteman, J. C., Criqui, M., Corsetti, J. P., Rainwater, D. L., Moss, A. J., Robins, S., Bloomfield, H., Collins, D., Wassertheil-Smoller, S., Ridker, P., Danesh, J., Gu, D., Nelson, J. J., Thompson, S., Zalewski, A., Zariffa, N., Di Angelantonio, E., Kaptoge, S., Thompson, A. & Lp-PLA2 Studies Collaboration, 2007 feb. 1, I: *European Journal of Preventive Cardiology*. 14, 1, s. 3-11 9 s.

**Elevated Lp-PLA2 Levels Add Prognostic Information to The Metabolic Syndrome on Incidence of Cardiovascular Events Among Middle-Aged Nondiabetic Subjects.**

Persson, M., Hedblad, B., Nelson, J. J. & Berglund, G., 2007, I: *Arteriosclerosis, Thrombosis and Vascular Biology*. 27, Apr 12, s. 1411-1416

**The epidemiology of Lp-PLA(2): Distribution and correlation with cardiovascular risk factors in a population-based cohort.**

Persson, M., Nilsson, J.-Å., Nelson, J. J., Hedblad, B. & Berglund, G., 2007, I: *Atherosclerosis*. 190, s. 388-396

**Plasma Adiponectin Levels in Relation to Carotid Intima Media Thickness and Markers of Insulin Resistance.**

Nilsson, P., Engström, G., Hedblad, B., Frystyk, J., Persson, M., Berglund, G. & Flyvbjerg, A., 2006, I: *Arteriosclerosis, Thrombosis and Vascular Biology*. 26, 12, s. 2758-2762

**Consumption of oat milk for 5 weeks lowers serum cholesterol and LDL cholesterol in free-living men with moderate hypercholesterolemia**

Önning, G., Wallmark, A., Persson, M., Åkesson, B., Elmståhl, S. & Öste, R., 1999, I: *Annals of Nutrition and Metabolism*. 43, 5, s. 301-309

## **Forskningsmedel**

**Undersöka förändringar i riskfaktorer över tid i två kohorter, MKC-CV och SCAPIS-Malmö, samt vad dessa förändringar har för effekt på sub-kliniska mått och inflammationsmarkörer**

Persson, M. (PI)

Ernhold Lundströms stiftelse: 50 000,00 kr