

Employment

Associate professor

Internal Medicine - Epidemiology
Lund University
Malmö, Sweden
2015 Sep 21 → present

Associate professor

EpiHealth: Epidemiology for Health
Lund University
Malmö, Sweden
2010 Jan 1 → present

Enhetschef

2001 Mar 1 → present

Research outputs

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 Jul 19, In: 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, In: Journal of Clinical Periodontology. 49, 4, p. 353-361 9 p.

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., 2022 Feb 23, (E-pub ahead of print) In: Journal of Spinal Cord Medicine. p. 1-10

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., & 8 othersSchmidt, C., Sköld, M. C., Sonestedt, E., Sundström, J., Swahn, E., Öhlin, J., Östgren, C. J. & Eklom, Ö., 2022, In: Scandinavian Journal of Medicine and Science in Sports. 32, 5, p. 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, In: Angiology. 73, 1, p. 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, In: Journal of Hypertension. 40, 5, p. 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, In: Angiology. 73, 5, p. 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., Ostfeld, E., Goncalves, I., Markstad, H., Johnson, L. S. B., Persson, M., Carlson, J. & Platonov, P. G., 2022, In: 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, In: *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., & 27 others 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, In: *Circulation*. 144, 12, p. 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 Jun 1, In: *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, In: *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., & 6 others Persson, M., Rosengren, A., Sundström, J., Swahn, E., Engvall, J. E. & Jernberg, T., 2021 Mar 1, In: *European Journal of Preventive Cardiology*. 28, 3, p. 250-259 10 p.

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, In: *Angiology*. 72, 1, p. 24-31 8 p.

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, In: *Diabetes Care*. 44, 1, p. 224-230 7 p.

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, In: *Hypertension*. 78, 5, p. 1287-1295 9 p.

Copeptin as a marker of atherosclerosis and arteriosclerosis

Schill, F., Persson, M., Engström, G., Melander, O. & Enhörning, S., 2021, In: *Atherosclerosis*. 338, p. 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, In: *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, In: *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, In: *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, In: *European Journal of Epidemiology*. 36, 1, p. 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 Oct, In: *PLoS ONE*. 15, 10 October, e0240607.

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

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

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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., & 5 othersSwahn, E., Söderberg, S., Torén, K., Östgren, C. J. & Rosengren, A., 2020 Mar , In: *Journal of Hypertension*. 38, 3, p. 387-394 8 p.

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, In: *Heart*. 106, 4, p. 287-291 5 p.

Blood cadmium concentration and risk of subarachnoid haemorrhage

Söderholm, M., Borné, Y., Hedblad, B., Persson, M., Barregard, L. & Engström, G., 2020 Jan, In: *Environmental Research*. 180, p. 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, In: *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, In: *American Journal of Physical Medicine and Rehabilitation*. 99, 6, p. 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., Lemetais, G., Vanhaecke, T., Dolci, A., Perrier, E. T. & Melander, O., 2019 Jun 1, In: *The Journal of clinical endocrinology and metabolism*. 104, 6, p. 1917-1925 9 p.

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 May 15, In: *Clinical Proteomics*. 16, 1, 21.

Lp-PLA₂ 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, In: *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, In: *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, In: *Diabetes, Obesity and Metabolism*. 21, 2, p. 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, In: *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, In: *European Journal of Nutrition*. 58, 1, p. 315-324 10 p.

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, In: *Diabetes and Vascular Disease Research*. 16, 3, p. 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, In: *Journal of Hypertension*. 37, 3, p. 590-595 6 p.

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, In: *Diabetes & Vascular Disease Research*. 16, 5, p. 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., & 3 othersBjörkbacka, H., Nilsson, J. & SUMMIT Consortium, 2018 Oct, In: *Diabetes Care*. 41, 10, p. 2212-2219 8 p.

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. & Ahrén, B., 2018 Aug, In: *Diabetes, Obesity and Metabolism*. 20, 8, p. 1911-1920

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

Alsalam, W., Persson, M. & Ahrén, B., 2018 Jul, In: *Diabetes, Obesity and Metabolism*. 20, 7, p. 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 Jun 12, In: 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, In: Diabetes Care. 40, 12, p. 1739-1745 7 p.

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, In: Journal of the American Heart Association. 6, 12, e006415.

Genetic determinants of growth hormone and GH-related phenotypes

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

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Lp-PLA₂ activity and mass for prediction of incident abdominal aortic aneurysms: A prospective longitudinal cohort study

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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 Jun 1, In: Atherosclerosis. 261, p. 37-43 7 p.

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 May 16, In: 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

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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, In: Environmental Research. 152, p. 185-191 7 p.

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

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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, In: Biomarkers. 21, 6, p. 562-571

Orosomucoid, carotid plaque, and incidence of stroke

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

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 Jul, In: American Journal of Nephrology. 44, 1, p. 22-28 7 p.

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 Jun 22, In: Human Molecular Genetics. 25, 11, p. 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 May 9, In: Nutrients. 8, 5, 274.

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

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

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

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

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Copeptin predicts coronary artery disease cardiovascular and total mortality.

Tasevska, I., Enhörning, S., Persson, M., Nilsson, P. & Melander, O., 2016, In: Heart. 102, 2, p. 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. & Ahrén, B., 2016, In: Diabetes Care. 39, 2, p. 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, In: Arteriosclerosis, Thrombosis and Vascular Biology. 36, p. 765-771

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

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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, In: *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, In: *BMJ Open*. 5, 6, p. e007366

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Svensson, P., Almgren, P., Hedblad, B., Engström, G., Persson, M., Christensson, A. & Melander, O., 2015, In: *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.

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Awards