




## Erik Ingelsson

Professor of Medicine (Cardiovascular Medicine) and, by courtesy, of Health Research and Policy (Epidemiology)

Medicine - Cardiovascular Medicine

 NIH Biosketch available Online

 Curriculum Vitae available Online

### CONTACT INFORMATION

#### • Administrative Contact

Alyssa Sacro - Administrative Assistant

**Email** [asacro@stanford.edu](mailto:asacro@stanford.edu)

### Bio

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#### BIO

Dr. Ingelsson obtained his MD (2000) and PhD (2005) at Uppsala University, Sweden. After internship, he did a residency in general medicine (2003-2006) and took up a postdoctoral research fellowship at the Framingham Heart Study (2006-2007). He moved to Karolinska Institutet (Stockholm, Sweden) in 2007 and was appointed Professor of Cardiovascular Epidemiology in 2010. From 2013-2016, he was a Professor of Molecular Epidemiology at Uppsala University. He was also a Visiting Professor at the Wellcome Trust Centre for Human Genetics at University of Oxford in 2012-2015. Since May 2016, he is Professor of Medicine at Stanford University.

For the past fifteen years, Dr. Ingelsson has been doing cardiovascular research with a special focus on the role of obesity and insulin resistance in development of subclinical and clinical cardiovascular disease. His research is translational and interdisciplinary, combining big data approaches, such as -omics in population-based cohorts, with gene editing in functional model systems to reach new insights into the pathophysiology of cardiovascular disease and related conditions, identification of new biomarkers for improved risk prediction, and discovery of novel targets for drug development.

He has had a leading role in many of the large efforts identifying new genetic loci associated with cardiovascular and metabolic traits, and has extensive experience from research on biomarkers and -omics methods, including development and application of prediction metrics and Mendelian randomization. He has served as PI of numerous -omics efforts in several Swedish cohort studies, including ULSAM, PIVUS, TwinGene and EpiHealth. Since 2013, his laboratory has refocused much of their research efforts towards characterization of genes discovered in genome-wide association studies using a combination of in-depth studies in human (including various -omics methods), in vitro studies (primarily adipocytes, hepatocytes and skeletal myocytes) and in vivo models (mice and zebrafish).

He has published over 300 peer-reviewed original articles (>110 as lead author), and >60 in journals with impact factor over 30. Before relocating to the U.S, he received many large European research grants, and after joining the Stanford faculty in May 2016, he has built a strong and well-funded research program. He has won several prestigious awards, such as the AHA Trudy Bush Fellowship for Cardiovascular Research in Women's Health, ERC starting grant, Wallenberg Academy Fellow and the Göran Gustafsson Prize in Medicine in 2015 (to the most successful medical researcher in Sweden under age 45).

### ACADEMIC APPOINTMENTS

- Professor, Medicine - Cardiovascular Medicine
- Professor (By courtesy), Health Research & Policy

- Member, Bio-X
- Member, Cardiovascular Institute

### **ADMINISTRATIVE APPOINTMENTS**

- Committee Member, Department of Medicine's Professoriate Appointments and Promotions Committee, (2018- present)
- Affinity Group Leader, Stanford Diabetes Research Center, (2017- present)
- National Director, EATRIS.se (Swedish node of the European Infrastructure for Translational Medicine), (2015-2016)
- Board Member, Faculty Board of the Disciplinary Domain of Medicine and Pharmacy, Uppsala University, (2014-2015)
- Executive Group Member, Department of Medical Epidemiology and Biostatistics, Karolinska Institutet, (2010-2012)

### **HONORS AND AWARDS**

- Göran Gustafsson Prize in Medicine, Göran Gustafsson Foundation (2015)
- Wallenberg Academy Fellow, Knut och Alice Wallenberg Foundation (2013)
- ERC Starting Grant Award, European Research Council (2013)
- Fellow of the American Heart Association (FAHA), American Heart Association (2010)
- Ingvar Carlsson Award, Swedish Foundation for Strategic Research (2009)
- Trudy Bush Fellowship for Cardiovascular Research in Women's Health, American Heart Association (2009)
- Young Investigator Award, EuroPREvent 2008, European Association of Cardiovascular Prevention and Rehabilitation (2008)

### **BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS**

- Scientific advisor, Precision Wellness (2016 - present)
- Scientific advisor, Olink Proteomics (2017 - present)

### **PROFESSIONAL EDUCATION**

- PhD, Uppsala University , Epidemiology (2005)
- MD, Uppsala University , Medicine (2000)

### **PATENTS**

- Lindholm D, Fukaya E, Leeper NJ, Ingelsson E. "United States Patent 62/522,601 Systems and Methods for Predicting Heart Failure Using Leg Bioimpedance", Leland Stanford Junior University, Jun 20, 2017

### **LINKS**

- Ingelsson Lab Homepage: <http://med.stanford.edu/ingelssonlab.html>

## **Research & Scholarship**

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### **CURRENT RESEARCH AND SCHOLARLY INTERESTS**

Our research area is cardiovascular medicine with a special focus on metabolic disturbances, such as obesity and insulin resistance and their role in the development of subclinical and clinical cardiovascular disease. The methods used are from the molecular epidemiology field where we use -omics studies of how cardiovascular disease and related conditions varies with DNA variation, RNA expression, and circulating biomarkers such as proteins and metabolites; but also functional characterization of candidate genes using CRISPR-Cas9 gene editing in cell and animal models. Our research is translational, trying to bridge population studies with molecular biology to reach new important insights into the pathophysiology of cardiovascular diseases, identification of new biomarkers for improved risk prediction, and discovery of novel targets for drug development.

Population-based studies

We are performing many population-based projects in the UK Biobank, which is an excellent example of science in the new era of open science initiatives and big data analytics. In 2006-2010, the UK Biobank recruited 502,650 participants aged 37-73 years to undergo physical measurements, detailed assessments about risk factors and future disease events, and sampling of blood, urine and saliva. Genome-wide genotyping on the UK Biobank Axiom Array and imputation to ~80 million variants has been performed in all participants. They have also been extensively examined, and outcome events are recorded in a longitudinal fashion.

We are working on a wide range of projects using this excellent cohort, including traditional epidemiological studies and GWAS addressing important, but understudied conditions, such as peripheral vascular disease and heart failure – including risk prediction studies to improve patient stratification, as well as studies of environmental risk factors, genetic determinants and their interactions; but also more novel approaches which aims at addressing causality of risk factors and biomarkers and importantly, at finding druggable targets using genomic approaches. The statistical power, as well as the opportunities to study new research questions, are unprecedented given the very large sample size (ten- to hundred-fold larger than all previous studies) and the extreme richness of the data.

In addition to UK Biobank, we are also working with several other datasets. I am still the PI for a range of –omics projects in several Swedish cohorts – ULSAM, PIVUS, TwinGene and EpiHealth. These include genomics, transcriptomics, epigenomics, proteomics and metabolomics, often used in combination - aiming at increasing the biological knowledge of obesity, insulin resistance and CVD, and to identify new biomarkers for risk prediction and novel drug targets.

#### Wet-lab approaches

To further characterize gene function after various –omics studies and use of in silico data on gene regulation and transcription from public resources, we proceed to studies of gene function in model systems. We use CRISPR-Cas9 techniques for gene editing in human SGBS adipocytes, HepG2 hepatocytes, HMCL-7304 skeletal myocytes, and murine 3T3-L1 adipocytes to study phenotypes related to obesity and insulin resistance. We transfect cells using our custom-built lentivirus CRISPR-Cas9 constructs, and assess the effect of knockdown or overexpression of candidate genes on basal and insulin-stimulated glucose uptake (using 14C-labeled deoxyglucose) and lipolysis (measuring glycerol after insulin and isoprenaline exposure), as well as insulin signaling proteins and adipogenesis. We address downstream effects of gene knockdown using transcriptomic and metabolomic profiling on cell lysates.

## Teaching

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### STANFORD ADVISEES

#### Postdoctoral Faculty Sponsor

Laeya Abdoli Najmi, Hyun-Jung Kim, Jiehan Li, Peter Saliba Gustafsson

#### Doctoral Dissertation Advisor (AC)

Abhiram Rao

#### Master's Program Advisor

Anissa Kalinowski

#### Postdoctoral Research Mentor

Hyun-Jung Kim, Joanna Lankester, Jiehan Li, Peter Saliba Gustafsson

## Publications

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### PUBLICATIONS

- **A Nationwide Study of Inpatient Admissions, Mortality, and Costs for Patients with Cirrhosis from 2005 to 2015 in the USA.** *Digestive diseases and sciences*  
Zou, B., Yeo, Y. H., Jeong, D., Park, H., Sheen, E., Lee, D. H., Henry, L., Garcia, G., Ingelsson, E., Cheung, R., Nguyen, M. H.  
2019

- **Target genes, variants, tissues and transcriptional pathways influencing human serum urate levels.** *Nature genetics*  
Tin, A., Marten, J., Halperin Kuhns, V. L., Li, Y., Wuttke, M., Kirsten, H., Sieber, K. B., Qiu, C., Gorski, M., Yu, Z., Giri, A., Sveinbjornsson, G., Li, et al  
2019
- **Trends in overall, cardiovascular and cancer-related mortality among individuals with diabetes reported on death certificates in the United States between 2007 and 2017** *DIABETOLOGIA*  
Kim, D., Li, A. A., Cholaneril, G., Kim, S. H., Ingelsson, E., Knowles, J. W., Harrington, R. A., Ahmed, A.  
2019; 62 (7): 1185–94
- **Dog ownership and cardiovascular risk factors: a nationwide prospective register-based cohort study** *BMJ OPEN*  
Mubanga, M., Byberg, L., Egenvall, A., Sundstrom, J., Magnusson, P., Ingelsson, E., Fall, T.  
2019; 9 (3)
- **A Comprehensive Evaluation of Lifestyle and Social Factors Related to Peripheral Artery Disease Events in a Large Longitudinal Study**  
Ross, E., Leeper, N., Ingelsson, E.  
MOSBY-ELSEVIER.2019: E54–E55
- **No evidence of a causal association of type 2 diabetes and glucose metabolism with atrial fibrillation** *DIABETOLOGIA*  
Harati, H., Zanetti, D., Rao, A., Gustafsson, S., Perez, M., Ingelsson, E., Knowles, J. W.  
2019; 62 (5): 800–804
- **Identification of 22 novel loci associated with urinary biomarkers of albumin, sodium, and potassium excretion** *KIDNEY INTERNATIONAL*  
Zanetti, D., Rao, A., Gustafsson, S., Assimes, T. L., Montgomery, S. B., Ingelsson, E.  
2019; 95 (5): 1197–1208
- **Abundant associations with gene expression complicate GWAS follow-up** *NATURE GENETICS*  
Liu, B., Gludemans, M. J., Rao, A. S., Ingelsson, E., Montgomery, S. B.  
2019; 51 (5): 768–+
- **Trends in overall, cardiovascular and cancer-related mortality among individuals with diabetes reported on death certificates in the United States between 2007 and 2017.** *Diabetologia*  
Kim, D., Li, A. A., Cholaneril, G., Kim, S. H., Ingelsson, E., Knowles, J. W., Harrington, R. A., Ahmed, A.  
2019
- **Substantial Cardiovascular Morbidity in Adults With Lower-Complexity Congenital Heart Disease** *CIRCULATION*  
Saha, P., Potiny, P., Rigdon, J., Morello, M., Tcheandjieu, C., Romfh, A., Fernandes, S. M., McElhinney, D. B., Bernstein, D., Lui, G. K., Shaw, G. M., Ingelsson, E., Priest, et al  
2019; 139 (16): 1889–99
- **Cardiometabolic Proteins Associated with Metabolic Syndrome** *METABOLIC SYNDROME AND RELATED DISORDERS*  
Lind, L., Elmstahl, S., Ingelsson, E.  
2019; 17 (5): 272–79
- **Cardiometabolic Proteins Associated with Metabolic Syndrome.** *Metabolic syndrome and related disorders*  
Lind, L., Elmstahl, S., Ingelsson, E.  
2019
- **NEUROCOGNITIVE DEFICITS IN ADULT CONGENITAL HEART DISEASE: DOES CORONARY ARTERY DISEASE ADD INSULT TO INJURY?**  
Morello, M. L., Beidelman, M., Saha, P., Ingelsson, E., Shaw, G., Lui, G., Priest, J.  
ELSEVIER SCIENCE INC.2019: 566
- **Identification of 22 novel loci associated with urinary biomarkers of albumin, sodium, and potassium excretion.** *Kidney international*  
Zanetti, D., Rao, A., Gustafsson, S., Assimes, T. L., Montgomery, S. B., Ingelsson, E.  
2019
- **Dog ownership and cardiovascular risk factors: a nationwide prospective register-based cohort study.** *BMJ open*  
Mubanga, M., Byberg, L., Egenvall, A., Sundstrom, J., Magnusson, P. K., Ingelsson, E., Fall, T.  
2019; 9 (3): e023447

- **Impact of race/ethnicity on insulin resistance and hypertriglyceridaemia** *DIABETES & VASCULAR DISEASE RESEARCH*  
Raygor, V., Abbasi, F., Lazzeroni, L. C., Kim, S., Ingelsson, E., Reaven, G. M., Knowles, J. W.  
2019; 16 (2): 153–59
- **Identification of metabolic profiles associated with human exposure to perfluoroalkyl substances** *JOURNAL OF EXPOSURE SCIENCE AND ENVIRONMENTAL EPIDEMIOLOGY*  
Salihovic, S., Fall, T., Ganna, A., Broeckling, C. D., Prenni, J. E., Hyotylainen, T., Karrman, A., Lind, P., Ingelsson, E., Lind, L.  
2019; 29 (2): 196–205
- **Loss of function, missense, and intronic variants in NOTCH1 confer different risks for left ventricular outflow tract obstructive heart defects in two European cohorts** *GENETIC EPIDEMIOLOGY*  
Helle, E., Cordova-Palomera, A., Ojala, T., Saha, P., Potiny, P., Gustafsson, S., Ingelsson, E., Bamshad, M., Nickerson, D., Chong, J. X., Ashley, E., Priest, J. R., Univ Washington Ctr Mendelia  
2019; 43 (2): 215–26
- **Substantial Cardiovascular Morbidity in Adults with Lower-Complexity Congenital Heart Disease.** *Circulation*  
Saha, P., Potiny, P., Rigdon, J., Morello, M., Tcheandjieu, C., Romfh, A., Fernandes, S. M., McElhinney, D. B., Bernstein, D., Lui, G. K., Shaw, G. M., Ingelsson, E., Priest, et al  
2019
- **No evidence of a causal association of type 2 diabetes and glucose metabolism with atrial fibrillation.** *Diabetologia*  
Harati, H., Zanetti, D., Rao, A., Gustafsson, S., Perez, M., Ingelsson, E., Knowles, J. W.  
2019
- **Protein-coding variants implicate novel genes related to lipid homeostasis contributing to body-fat distribution.** *Nature genetics*  
Justice, A. E., Karaderi, T., Highland, H. M., Young, K. L., Graff, M., Lu, Y., Turcot, V., Auer, P. L., Fine, R. S., Guo, X., Schurmann, C., Lempradl, A., Marouli, et al  
2019
- **Body composition and atrial fibrillation: a Mendelian randomization study.** *European heart journal*  
Tikkanen, E., Gustafsson, S., Knowles, J. W., Perez, M., Burgess, S., Ingelsson, E.  
2019
- **Disentangling the genetics of lean mass.** *The American journal of clinical nutrition*  
Karasik, D., Zillikens, M. C., Hsu, Y., Aghdassi, A., Akesson, K., Amin, N., Barroso, I., Bennett, D. A., Bertram, L., Bochud, M., Borecki, I. B., Broer, L., Buchman, et al  
2019
- **Disentangling the genetics of lean mass** *AMERICAN JOURNAL OF CLINICAL NUTRITION*  
Karasik, D., Zillikens, M., Hsu, Y., Aghdassi, A., Akesson, K., Amin, N., Barroso, I., Bennett, D. A., Bertram, L., Bochud, M., Borecki, I. B., Broer, L., Buchman, et al  
2019; 109 (2): 276–87
- **Common Genetic Variation in Relation to Brachial Vascular Dimensions and Flow-Mediated Vasodilation.** *Circulation. Genomic and precision medicine*  
Dorr, M., Hamburg, N. M., Muller, C., Smith, N. L., Gustafsson, S., Lehtimaki, T., Teumer, A., Zeller, T., Li, X., Lind, L., Raitakari, O. T., Volker, U., Blankenberg, et al  
2019; 12 (2): e002409
- **Trans-ethnic kidney function association study reveals putative causal genes and effects on kidney-specific disease aetiologies** *NATURE COMMUNICATIONS*  
Morris, A. P., Le, T. H., Wu, H., Akbarov, A., van der Most, P. J., Hemani, G., Smith, G., Mahajan, A., Gaulton, K. J., Nadkarni, G. N., Valladares-Salgado, A., Wacher-Rodarte, N., Mychaleckyj, et al  
2019; 10
- **Trans-ethnic kidney function association study reveals putative causal genes and effects on kidney-specific disease aetiologies.** *Nature communications*  
Morris, A. P., Le, T. H., Wu, H., Akbarov, A., van der Most, P. J., Hemani, G., Smith, G. D., Mahajan, A., Gaulton, K. J., Nadkarni, G. N., Valladares-Salgado, A., Wacher-Rodarte, N., Mychaleckyj, et al  
2019; 10 (1): 29
- **Dog Ownership and Survival After a Major Cardiovascular Event: A Register-Based Prospective Study.** *Circulation. Cardiovascular quality and outcomes*  
Mubanga, M., Byberg, L., Egenvall, A., Ingelsson, E., Fall, T.

2019; 12 (10): e005342

- **Genome-wide association meta-analyses and fine-mapping elucidate pathways influencing albuminuria.** *Nature communications*  
Teumer, A., Li, Y., Ghasemi, S., Prins, B. P., Wuttke, M., Hermle, T., Giri, A., Sieber, K. B., Qiu, C., Kirsten, H., Tin, A., Chu, A. Y., Bansal, et al  
2019; 10 (1): 4130
- **Proteomic Analysis of Longitudinal Changes in Blood Pressure.** *Journal of clinical medicine*  
Lin, Y. T., Fall, T., Hammar, U., Gustafsson, S., Ingelsson, E., Ärnlöv, J., Lind, L., Engström, G., Sundström, J.  
2019; 8 (10)
- **Detailed Functional Characterization of a Waist-Hip Ratio Locus in 7p15.2 Defines an Enhancer Controlling Adipocyte Differentiation.** *iScience*  
Castillejo-Lopez, C., Pjanic, M., Pirona, A. C., Hetty, S., Wabitsch, M., Wadelius, C., Quertermous, T., Arner, E., Ingelsson, E.  
2019; 20: 42–59
- **Personalized prediction of adverse heart and kidney events using baseline and longitudinal data from SPRINT and ACCORD.** *PLoS one*  
Dinstag, G., Amar, D., Ingelsson, E., Ashley, E., Shamir, R.  
2019; 14 (8): e0219728
- **Impact of race/ethnicity on insulin resistance and hypertriglyceridaemia.** *Diabetes & vascular disease research*  
Raygor, V., Abbasi, F., Lazzeroni, L. C., Kim, S., Ingelsson, E., Reaven, G. M., Knowles, J. W.  
2019; 16 (2): 153–59
- **A catalog of genetic loci associated with kidney function from analyses of a million individuals.** *Nature genetics*  
Wuttke, M., Li, Y., Li, M., Sieber, K. B., Feitosa, M. F., Gorski, M., Tin, A., Wang, L., Chu, A. Y., Hoppmann, A., Kirsten, H., Giri, A., Chai, et al  
2019; 51 (6): 957–72
- **Abundant associations with gene expression complicate GWAS follow-up.** *Nature genetics*  
Liu, B., Gloudemans, M. J., Rao, A. S., Ingelsson, E., Montgomery, S. B.  
2019; 51 (5): 768–69
- **Exome-Derived Adiponectin-Associated Variants Implicate Obesity and Lipid Biology.** *American journal of human genetics*  
Spracklen, C. N., Karaderi, T., Yaghootkar, H., Schurmann, C., Fine, R. S., Kutalik, Z., Preuss, M. H., Lu, Y., Wittemans, L. B., Adair, L. S., Allison, M., Amin, N., Auer, et al  
2019
- **Publisher Correction: Multiancestry genome-wide association study of 520,000 subjects identifies 32 loci associated with stroke and stroke subtypes.** *Nature genetics*  
Malik, R., Chauhan, G., Traylor, M., Sargurupremraj, M., Okada, Y., Mishra, A., Rutten-Jacobs, L., Giese, A. K., van der Laan, S. W., Gretarsdottir, S., Anderson, C. D., Chong, M., Adams, et al  
2019
- **The metabolites urobilin and sphingomyelin (30:1) are associated with incident heart failure in the general population.** *ESC heart failure*  
Stenemo, M., Ganna, A., Salihovic, S., Nowak, C., Sundström, J., Giedraitis, V., Broeckling, C. D., Prenni, J. E., Svensson, P., Magnusson, P. K., Lind, L., Ingelsson, E., Ärnlöv, et al  
2019
- **Proteomic profiling of endothelium-dependent vasodilation** *JOURNAL OF HYPERTENSION*  
Lind, L., Sundstrom, J., Arnlov, J., Ingelsson, E.  
2019; 37 (1): 216–22
- **Longitudinal effects of aging on plasma proteins levels in older adults - associations with kidney function and hemoglobin levels.** *PLoS one*  
Lind, L., Sundstrom, J., Larsson, A., Lampa, E., Arnlov, J., Ingelsson, E.  
2019; 14 (2): e0212060
- **Genome-wide analysis of dental caries and periodontitis combining clinical and self-reported data.** *Nature communications*  
Shungin, D., Haworth, S., Divaris, K., Agler, C. S., Kamatani, Y., Keun Lee, M., Grinde, K., Hindy, G., Alaraudanjoki, V., Pesonen, P., Teumer, A., Holtfreter, B., Sakaue, et al  
2019; 10 (1): 2773
- **Identification of rare-disease genes using blood transcriptome sequencing and large control cohorts.** *Nature medicine*  
Frésard, L., Smail, C., Ferraro, N. M., Teran, N. A., Li, X., Smith, K. S., Bonner, D., Kernohan, K. D., Marwaha, S., Zappala, Z., Balliu, B., Davis, J. R., Liu, et al

2019

- **Publisher Correction: Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity.** *Nature genetics*  
Turcot, V., Lu, Y., Highland, H. M., Schurmann, C., Justice, A. E., Fine, R. S., Bradfield, J. P., Esko, T., Giri, A., Graff, M., Guo, X., Hendricks, A. E., Karaderi, et al  
2019
- **Components of genetic associations across 2,138 phenotypes in the UK Biobank highlight adipocyte biology.** *Nature communications*  
Tanigawa, Y., Li, J., Justesen, J. M., Horn, H., Aguirre, M., DeBoever, C., Chang, C., Narasimhan, B., Lage, K., Hastie, T., Park, C. Y., Bejerano, G., Ingelsson, et al  
2019; 10 (1): 4064
- **Clinical and Genetic Determinants of Varicose Veins Prospective, Community-Based Study of approximate to 500 000 Individuals** *CIRCULATION*  
Fukaya, E., Flores, A. M., Lindholm, D., Gustafsson, S., Zanetti, D., Ingelsson, E., Leeper, N. J.  
2018; 138 (25): 2869–80
- **Clinical and Genetic Determinants of Varicose Veins.** *Circulation*  
Fukaya, E., Flores, A. M., Lindholm, D., Gustafsson, S., Zanetti, D., Ingelsson, E., Leeper, N. J.  
2018; 138 (25): 2869–80
- **Loss of function, missense, and intronic variants in NOTCH1 confer different risks for left ventricular outflow tract obstructive heart defects in two European cohorts.** *Genetic epidemiology*  
Helle, E., Cordova-Palomera, A., Ojala, T., Saha, P., Potiny, P., Gustafsson, S., Ingelsson, E., Bamshad, M., Nickerson, D., Chong, J. X., University of Washington Center for Mendelian Genomics, Ashley, E., Priest, J. R.  
2018
- **GWAS and colocalization analyses implicate carotid intima-media thickness and carotid plaque loci in cardiovascular outcomes.** *Nature communications*  
Franceschini, N., Giambartolomei, C., de Vries, P. S., Finan, C., Bis, J. C., Huntley, R. P., Lovering, R. C., Tajuddin, S. M., Winkler, T. W., Graff, M., Kavousi, M., Dale, C., Smith, et al  
2018; 9 (1): 5141
- **Atrial fibrillation genetic risk differentiates cardioembolic stroke from other stroke subtypes** *NEUROLOGY-GENETICS*  
Pulit, S. L., Weng, L., McArdle, P. F., Trinquart, L., Choi, S., Mitchell, B. D., Rosand, J., de Bakker, P. W., Benjamin, E. J., Ellinor, P. T., Kittner, S. J., Lubitz, S. A., Anderson, et al  
2018; 4 (6): e293
- **The association between circulating endostatin levels and incident myocardial infarction.** *Scandinavian cardiovascular journal : SCJ*  
Ruge, T., Carlsson, A. C., Jansson, J., Soderberg, S., Larsson, A., Arnlov, J.  
2018: 1–15
- **Genome-Wide Association Studies of Estimated Fatty Acid Desaturase Activity in Serum and Adipose Tissue in Elderly Individuals: Associations with Insulin Sensitivity.** *Nutrients*  
Marklund, M., Morris, A. P., Mahajan, A., Ingelsson, E., Lindgren, C. M., Lind, L., Riserus, U.  
2018; 10 (11)
- **Publisher Correction: Genetic analysis of over 1 million people identifies 535 new loci associated with blood pressure traits.** *Nature genetics*  
Evangelou, E., Warren, H. R., Mosen-Ansorena, D., Mifsud, B., Pazoki, R., Gao, H., Ntritsos, G., Dimou, N., Cabrera, C. P., Karaman, I., Ng, F. L., Evangelou, M., Witkowska, et al  
2018
- **Genome Analyses of >200,000 Individuals Identify 58 Loci for Chronic Inflammation and Highlight Pathways that Link Inflammation and Complex Disorders.** *American journal of human genetics*  
Ligthart, S., Vaez, A., Vosa, U., Stathopoulou, M. G., de Vries, P. S., Prins, B. P., Van der Most, P. J., Tanaka, T., Naderi, E., Rose, L. M., Wu, Y., Karlsson, R., Barbalic, et al  
2018; 103 (5): 691–706
- **Proteomic profiling of endothelium-dependent vasodilation.** *Journal of hypertension*  
Lind, L., Sundstrom, J., Arnlov, J., Ingelsson, E.  
2018

- **Fine-mapping type 2 diabetes loci to single-variant resolution using high-density imputation and islet-specific epigenome maps.** *Nature genetics*  
Mahajan, A., Taliun, D., Thurner, M., Robertson, N. R., Torres, J. M., Rayner, N. W., Payne, A. J., Steinthorsdottir, V., Scott, R. A., Grarup, N., Cook, J. P., Schmidt, E. M., Wuttke, et al  
2018
- **Can the Plasma Concentration Ratio of Triglyceride/High-Density Lipoprotein Cholesterol Identify Individuals at High Risk of Cardiovascular Disease During 40-Year Follow-Up?** *METABOLIC SYNDROME AND RELATED DISORDERS*  
Lind, L., Ingelsson, E., Arnlov, J., Sundstrom, J., Zethelius, B., Reaven, G. M.  
2018; 16 (8): 433–39
- **A Phenome- Wide Association Study of Patatin-like Phospholipase Domain Containing 3 (PNPLA3) I148M Variant in 337,536 Participants of the UK Biobank Study**  
Yeo, Y., Rao, A., Liu, B., Nguyen, M. H., Ingelsson, E.  
WILEY.2018: 65A–66A
- **Genetic analysis of over 1 million people identifies 535 new loci associated with blood pressure traits** *NATURE GENETICS*  
Evangelou, E., Warren, H. R., Mosen-Ansorena, D., Mifsu, B., Pazoki, R., Gao, H., Ntritsos, G., Dimou, N., Cabrer, C. P., Karaman, I., Ng, F., Evangelou, M., Witkowska, et al  
2018; 50 (10): 1412–+
- **Associations of Circulating Protein Levels With Lipid Fractions in the General Population** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*  
Figarska, S. M., Gustafsson, S., Sundstrom, J., Arnlov, J., Malarstig, A., Elmstahl, S., Fall, T., Lind, L., Ingelsson, E.  
2018; 38 (10): 2505–18
- **USE OF PROTEOMICS TO INVESTIGATE BLOOD PRESSURE PROGRESS IN THE ELDERLY**  
Lin Yi-Ting, Fall, T., Gustafsson, S., Ingelsson, E., Arnlov, J., Lind, L., Engstrom, G., Sundstrom, J.  
LIPPINCOTT WILLIAMS & WILKINS.2018: E115
- **Genome-wide association study of coronary artery disease among individuals with diabetes: the UK Biobank** *DIABETOLOGIA*  
Fall, T., Gustafsson, S., Orho-Melander, M., Ingelsson, E.  
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