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Cardiovascular Research - Hypertension  
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## Research

Martin Magnusson (MM) leads a dynamic research group of 13 members, including six PhD students, five postdoctoral researchers, and two research nurses. He has served as the primary supervisor for four completed PhD projects and co-supervisor for two others.

In 2020, MM was appointed adjunct professor in cardiology at the department clinical sciences Malmö, Lund University. He is the Principal Investigator (PI) of the Heart and Brain Failure Investigation study (HARVEST) and a clinical fellow at the Wallenberg Center for Molecular Medicine at Lund University (WCMM LU). Additionally, he holds a guest professorship with the Hypertension in Africa Research Team (HART) at North-West University, South Africa. MM is a highly innovative and prolific clinical scientist, with the majority of his publications appearing in top US and European journals. He is a key figure in the future of Lund University and Skåne University Hospital's research core, driving both clinically relevant and complex molecular, genetic, and biological investigations

## Qualifications

Specialist i invärtesmedicin 2003

Specialist i kardiologi sedan 2006

## Employment

### Adjunct professor, Physician

Cardiovascular Research - Hypertension  
Lund University  
Malmö, Sweden  
2015 Sept 21 → present

### Member of Strategic Research Area

EpiHealth: Epidemiology for Health  
Lund University  
Malmö, Sweden  
2012 Jan 1 → present

## **WCMM-Wallenberg Centre for Molecular Medicine**

Lund University

Lund, Sweden

2019 Nov 8 → present

## **Extraordinary professor**

North-West University

Potchefstroom, South Africa

2020 May 1 → 2023 May 1

## **Research output**

### **Selenoprotein P Deficiency Is Associated with Early Signs of Kidney Disease and Hospitalization Risk in Heart Failure**

Ohlsson, M. A., Molvin, J., Holm Isholth, H., Christensson, A., Nilsson, C., Laucyte-Cibulskiene, A., Grubb, A., Schomburg, L., Jujic, A. & Magnusson, M., 2026 Feb 24, In: *Nutrients*. 18, 5, p. 1-12

### **Left ventricular and atrial strain and the risk of mortality and rehospitalization in heart failure**

Zilic, H., Holm, H., Johnson, L. S., Jujic, A. & Magnusson, M., 2026 Feb 16, In: *Echo Research and Practice*. 13, p. 1-11 5.

### **Clinical characterization of individuals with obesity but normal blood pressure and heart function - a descriptive study from the SCAPIS cohort**

Korduner, J., Isholth, H. H., Jujic, A., Engström, G., Kylhammar, D., Engvall, J., Magnusson, M., Gottsäter, A. & Nilsson, P. M., 2026 Jan 30, (E-pub ahead of print) In: *BMC Cardiovascular Disorders*.

### **Impact of cerebral oxygen saturation on mortality and rehospitalisation in patients with heart failure and the role of physical activity as a modifying factor: the HARVEST-Malmö Study**

Zaghi, A., Jujic, A., Zilic, H., Dieden, A., Bachus, E., Holm, H. & Magnusson, M., 2025 Dec 9, (E-pub ahead of print) In: *Heart*.

### **Comparing diagnostic tools for heart failure with preserved ejection fraction across community and clinical cohorts**

Monzo, L., Huttin, O., Bozkurt, B., Duarte, K., Linde, C., Lund, L. H., Hage, C., Donal, E., Magnusson, M., Nilsson, P., Leosdottir, M., Bozec, E., Baudry, G., Zannad, F. & Girerd, N., 2025 Nov 17, (E-pub ahead of print) In: *Heart*.

### **Associations between biomarkers and p-wave indices in relation to atrial fibrillation development in heart failure patients**

Nezami, Z., Jujic, A., Ohlsson, M., Magnusson, M. H., Holm Isholth, H. & Platonov, P., 2025 Nov 13, (E-pub ahead of print) In: *Heart Rhythm*.

### **HMGCR and rosuvastatin regulates GLP-1 secretion and expression - a translational study**

Miskelly, M. G., Lindqvist, A., Jujic, A., Hamilton, A., Cowan, E., Raikundalia, S., Dutius Andersson, A.-M., Nergård, B. J., Del Giudice, R., Kryvokhyzha, D., Nilsson, P. M., Juul-Holst, J., Torekov, S. S., Lagerstedt, J. O., Gomez, M. F., Eliasson, L., Mulder, H., Hedenbro, J., Magnusson, M. & Wierup, N., 2025 Nov 5, (E-pub ahead of print) In: *The Journal of clinical endocrinology and metabolism*.

### **Association of Osteopontin and selective glomerular hypofiltration syndrome with hospitalization for kidney failure in acute heart failure patients**

Ohlsson, M. A., Nilsson, C., Molvin, J., Isholth, H. H., Grubb, A., Christensson, A., Jujic, A. & Magnusson, M., 2025 Oct 6, In: *BMC Nephrology*. 26, p. 1-10 550.

### **Qualitative observations in university physics laboratories: an example from classical mechanics**

Dunnett, K. & Magnusson, M. H., 2025 Jul 31, In: *European Journal of Physics*. 46, 4, 045005.

### **The ESCAPER Study - exploring protective mechanisms against cardiovascular disease in subjects at high risk:**

#### **Rationale, study protocol, and first results**

Ekström, O., Arheden, H., Christensson, A., Engström, G., Hedström, E., Kennbäck, C., Laucyte-Cibulskiene, A., Lundgren, S., Lyssenko, V., Löndahl, M., Magnusson, M., Nilsson, P. M. & Gottsäter, A., 2025 Jun 4, In: *Scandinavian cardiovascular journal : SCJ*. 59, 1, p. 1-7

### **Impact of diabetes and glycemic status on ventricular-arterial coupling in the general population**

Holm, H., Zilic, H., Jujic, A., Johnsson, L., Engström, G., Nilsson, P. M., Östgren, C. J., Kylhammar, D., Engvall, J. & Magnusson, M., 2025 Apr 18, In: Cardiovascular Diabetology. 24, 1, 173.

### **Association of ventricular-arterial coupling with biomarkers involved in heart failure pathophysiology - the STANISLAS cohort**

Holm, H., Magnusson, M., Jujic, A., Lagrange, J., Bozec, E., Lamiral, Z., Bresso, E., Huttin, O., Baudry, G., Monzo, L., Rossignol, P., Zannad, F. & Girerd, N., 2025, In: European Journal of Heart Failure. 27, 5, p. 860-871

### **Biomarkers associated with worsening renal function and progression in chronic kidney disease among patients hospitalized for acute heart failure**

Ohlsson, M. A., Molvin, J., Holm Isholth, H., Nezami, Z., Laucyte-Cibulskiene, A., Christensson, A., Jujic, A. & Magnusson, M., 2025, In: CardioRenal Medicine. 1, p. 453-461 9 p.

### **Identification of cystatin C as a new marker of glomerular filtration rate, and of shrunken pore syndrome – a new kidney disorder defining selective glomerular hypofiltration syndromes – calls for expansion of the international KDIGO guidelines**

Åkesson, A., Öberg, C., Malmgren, L., Nilsson, C., Itoh, Y., Blirup-Jensen, S., Lindström, V., Abrahamson, M., Leion, F., Olafsson, I., Bjursten, H., Grubb, D., Herou, E., Dardashti, A., Sigurjonsson, J., Xhakollari, L., Laucyte-Cibulskiene, A., Pottel, H., Strevens, H. & Damm, D. & 25 others, Förnvik Jonsson, M., Siódmiak, J., Ärnlöv, J., Larsson, A., Åkerfeldt, T., Kultima, K., Ridefelt, P., Helmersson-Karlqvist, J., Magnusson, M., Hansson, M., Sjöström, A., Soveri, I., Tenstad, O., Mårtensson, J., Elinder, C.-G., Risch, L., Risch, M., Hansson, L.-O., Price, C. P., Nyman, U., Björk, J., Delanaye, P., Bökenkamp, A., Christensson, A. & Grubb, A., 2025, In: Scandinavian Journal of Clinical and Laboratory Investigation. 85, 16, p. 409-419 11 p.

### **Low peak oxygen uptake in relation to total heart volume as an early marker of subclinical diastolic dysfunction.**

Steding Ehrenborg, K., Nelsson, A., Engblom, H., Arvidsson, P. M., Magnusson, M., Smith, J. G. & Arheden, H., 2025, In: European Heart Journal Imaging Methods & Practice. 3, 2

### **Plasma proteomic and metabolomic profiling of coronary and carotid atherosclerosis in the SCAPIS study - differences and similarities**

Fall, T., Gummesson, A., Hammar, U., Ahlström, H., Angerås, O., Blomberg, A., Brandberg, J., Caidahl, K., Chorell, E., Engvall, J. E., Eriksson, P., Erlinge, D., Gigante, B., Hjelmgren, O., Hultdin, J., Jernberg, T., Kihlberg, J., Lind, L., Magnusson, M. & Nyström, F. H. & 6 others, Pirazzi, C., Schiopu, A., Sundström, J., Söderberg, S., Östgren, C. J. & Engström, G., 2025, In: Cardiovascular Research. 121, 11, p. 1649-1652

### **Proteomic biomarkers and pathway analysis for progression to heart failure in three epidemiological representative cohorts**

Dieden, A., Girerd, N., Ottosson, F., Molvin, J., Pareek, M., Melander, O., Bachus, E., Råstam, L., Lindblad, U., Daka, B., Leósdóttir, M., Nilsson, P. M., Olsen, M. H., Clark, A. L., Cleland, J. G. F., Delles, C., González, A., Lamiral, Z., Duarte, K. & Rossignol, P. & 4 others, Zannad, F., Gudmundsson, P., Jujic, A. & Magnusson, M., 2025, In: European Journal of Heart Failure. 27, 9, p. 1764-1774

### **Sex-Specific Cardiovascular Consequences of Long-Term High-Salt Diet in Mice**

Duarte, J. M. N., Sahoglu-Göktas, S., Vanherle, L., Rafiee, Z., Prakash, S., Stemmer, K., Swärd, K., Magnusson, M. & Meissner, A., 2025, In: Journal of the American Heart Association. 14, 20

### **Shrunken Pore Syndrome in relation to Morbidity and Mortality in the Population-Based Malmö Diet and Cancer Cohort: A Generalized Propensity Score Approach**

Åkesson, A., Xhakollari, L., Laucyte-Cibulskiene, A., Grubb, A., Larsson, A., Jujic, A., Magnusson, M., Christensson, A. & Björk, J., 2025, In: Frontiers in Epidemiology. 5, 1661167.

### **The prognostic significance of stress-phenotyping for stroke incidence: the Malmö Diet and Cancer Study**

Holm, H., Jujic, A., Nilsson, P. M., Magnusson, M. & Malan, L., 2025, In: Stress. 28, 1, 2443980.

### **Cardiac biomarkers for detection of coronary artery disease in the community**

Lind, L., Alfredsson, J., Andersson, J. S. O., Andersson, T., Bergström, G., Ekblom, Ö., Fagman, E., Fall, T., Hagström, E., Isholth, H. H., Janzon, M., Jernberg, T., Katsoularis, I., Leander, K., Leósdóttir, M., Magnusson, M., Malinowski, A.,

Rosengren, A., Gustav Smith, J. & Spaak, J. & 4 others, Svensson, P., Söderberg, S., Östgren, C. J. & Engström, G., 2024 Dec 16, In: *Scientific Reports*. 14, 1, 30514.

**Structured diabetes care routines in cardiac rehabilitation are associated with increased diabetes detection and improved treatment after myocardial infarction: a nationwide observational study**

Sharad, B., Eckerdal, N., Magnusson, M., Michelsen, H. Ö., Jujic, A., Lidin, M., Mellbin, L., Shaat, N., Pingel, R., Wallert, J., Hagström, E. & Leósdóttir, M., 2024 Sept 3, In: *Cardiovascular Diabetology*. 23, 1, p. 330

**New Antidiabetic Agents for the Treatment of Heart Failure in Hypertensive Patients**

Nilsson, P. M., Holm Isholth, H. & Magnusson, M., 2024 Mar 5, *Hypertension and Heart Failure: Epidemiology, Mechanisms and Treatment*. Dorobantu, M., Voicu, V., Grassi, G., Agabiti-Rosei, E. & Mancia, G. (eds.). 2 ed. Springer, p. 371-79 8 p. (Updates in Hypertension and Cardiovascular Protection).

**Association between low selenoprotein P concentrations and anaemia in hospitalized heart failure patients**

Jujić, A., Molvin, J., Holm Isholth, H., Dieden, A., Korduner, J., Zaghi, A., Nezami, Z., Bergmann, A., Schomburg, L. & Magnusson, M., 2024, In: *ESC Heart Failure*. 11, 2, p. 877-882 6 p.

**Elevated carbohydrate antigen 125 (CA125) is associated with incident heart failure and mortality in acute coronary syndrome**

Yndigeñ, T., Gu, T., Grufman, H., Erlinge, D., Mokhtari, A., Ekelund, U., Magnusson, M., Gustafsson, E., Nilsson, J., Goncalves, I. & Schiöpu, A., 2024, In: *ESC Heart Failure*. 11, 6, p. 4325-4334

**Low levels of selenoprotein P associate with cognitive impairment in patients hospitalized for heart failure**

Jujic, A., Molvin, J., Nilsson, E. D., Holm Isholth, H., Dieden, A., Korduner, J., Zaghi, A., Nezami, Z., Bergmann, A., Schomburg, L. & Magnusson, M., 2024, In: *Journal of Cardiac Failure*. 30, 11, p. 1452-1461

**Self-Report Tool for Identification of Individuals With Coronary Atherosclerosis: The Swedish CardioPulmonary BiImage Study**

Bergström, G., Hagberg, E., Björnson, E., Adiels, M., Bonander, C., Strömberg, U., Andersson, J., Brunström, M., Carlhäll, C.-J., Engström, G., Erlinge, D., Goncalves, I., Gummesson, A., Hagström, E., Hjelmgren, O., James, S., Janzon, M., Jonasson, L., Lind, L. & Magnusson, M. & 7 others, Oskarsson, V., Sundström, J., Svensson, P., Söderberg, S., Themudo, R., Östgren, C. J. & Jernberg, T., 2024, In: *Journal of the American Heart Association*. 13, 14

**Proenkephalin as a biomarker correlates with acute kidney injury: a systematic review with meta-analysis and trial sequential analysis**

Lin, L.-C., Chuan, M.-H., Liao, H.-W., Ng, L. L., Magnusson, M., Jujic, A., Pan, H.-C., Wu, V.-C. & Forni, L. G., 2023 Dec 7, In: *Critical Care*. 27, 481.

**Galectin-4 is associated with diabetes and obesity in a heart failure population**

Dieden, A., Gudmundsson, P., Korduner, J., Molvin, J., Zaghi, A., Nezami, Z., Bachus, E., Holm, H., Jujic, A. & Magnusson, M., 2023 Nov 20, In: *Scientific Reports*. 13, p. 1-10 20285.

**Association between self-reported alcohol consumption and diastolic dysfunction: a cross-sectional study**

Daka, B., Bennet, L., Råstam, L., Hellgren, M. I., Li, Y., Magnusson, M. & Lindblad, U., 2023 Oct 11, In: *BMJ Open*. 13, 10, e069937.

**Ventricular-arterial coupling and cardiovascular risk among young adults: The African-PREDICT study**

Holm, H., Kruger, R., Jujic, A., Lamiral, Z., Uys, A. S., Girerd, N. & Magnusson, M., 2023 Aug 1, In: *American Journal of Physiology - Heart and Circulatory Physiology*. 325, 2, p. H362-H371

**Metabolite Profiling in a Diet-Induced Obesity Mouse Model and Individuals with Diabetes: A Combined Mass Spectrometry and Proton Nuclear Magnetic Resonance Spectroscopy Study**

Vieira, J., Ottosson, F., Jujic, A., Denisov, V., Magnusson, M., Melander, O. & Duarte, J., 2023 Jul 23, In: *Metabolites*. 13, 7, 874.

### **Plasma Galectin-4 Levels Are Increased after Stroke in Mice and Humans**

Jujic, A., Vieira, J., Matuskova, H., Nilsson, P. M., Lindblad, U., Olsen, M. H., Duarte, J., Meissner, A. & Magnusson, M., 2023 May 13, In: International Journal of Molecular Sciences. 24, 12, 10064.

### **Endogenous incretin levels and risk of first incident cancer: a prospective cohort study**

Jujic, A., Godina, C., Belting, M., Melander, O., Juul Holst, J., Ahlqvist, E., Gomez, M. F., Nilsson, P. M., Jernström, H. & Magnusson, M., 2023 Jan 7, In: Scientific Reports. 13, p. 1-11 382.

### **Alterations to Cerebral Perfusion, Metabolite Profiles, and Neuronal Morphology in the Hippocampus and Cortex of Male and Female Mice during Chronic Exposure to a High-Salt Diet**

Meissner, A., Garcia-Serrano, A. M., Vanherle, L., Rafiee, Z., Don-Doncow, N., Skoug, C., Larsson, S., Gottschalk, M., Magnusson, M. & Duarte, J. M., 2023, In: International Journal of Molecular Sciences. 24, 1, 300.

### **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. & 6 others, Swahn, E., Söderberg, S., Torén, K., Östgren, C. J., Lampa, E. & Lind, L., 2023, In: Atherosclerosis. 373, p. 46-54 23 p.

### **Etiologic and Diagnostic Implications of Morbidity and Mortality Associations When Cystatin C–Based Estimated GFR Is Lower Than Creatinine-Based Estimated GFR**

Grubb, A., Magnusson, M. & Christensson, A., 2023, In: American Journal of Kidney Diseases. 82, 5, p. 509-511

### **Selenoprotein P deficiency is associated with higher risk of incident heart failure**

Jujic, A., Molvin, J., Schomburg, L., Hartmann, O., Bergmann, A., Melander, O. & Magnusson, M., 2023, In: Free Radical Biology & Medicine. 207, p. 11-16

### **The chronic stress risk phenotype mirrored in the human retina as a neurodegenerative condition**

Malan, L., van Wyk, R., von Känel, R., Ziemssen, T., Vilser, W., Nilsson, P. M., Magnusson, M., Jujic, A., Mak, D., Steyn, F. & Malan, N. T., 2023, In: Stress. 26, 1, 43 p.

### **The complexity of kidney disease and diagnosing it - Cystatin C, selective glomerular hypofiltration syndromes and proteome regulation**

Malmgren, L., Öberg, C., den Bakker, E., Leion, F., Siódmiak, J., Åkesson, A., Lindström, V., Herou, E., Dardashti, A., Xhakollari, L., Grubb, G., Strevens, H., Abrahamson, M., Helmersson-Karlqvist, J., Magnusson, M., Björk, J., Nyman, U., Ärnlov, J., Ridfeldt, P. & Åkerfeldt, T. & 18 others, Hansson, M., Sjöström, A., Mårtensson, J., Itoh, Y., Grubb, D., Tenstad, O., Hansson, L.-O., Olafsson, I., Campos, A. J., Risch, M., Risch, L., Larsson, A., Nordin, G., Pottel, H., Christensson, A., Bjursten, H., Bökenkamp, A. & Grubb, A., 2023, In: Journal of Internal Medicine. 293, 3, p. 293-308

### **Ventricular–arterial coupling (VAC) in a population-based cohort of middle-aged individuals: The STANISLAS cohort**

Holm, H., Magnusson, M., Jujic, A., Pugliese, N. R., Bozec, E., Lamiral, Z., Huttin, O., Zannad, F., Rossignol, P. & Girerd, N., 2023, In: Atherosclerosis. 374, p. 11-20

### **Noninvasive Assessment of Left Ventricular Pressure-Volume Relations: Inter- and Intraobserver Variability and Assessment Across Heart Failure Subtypes**

Edlund, J., Arvidsson, P. M., Nelsson, A., Smith, J. G., Magnusson, M., Heiberg, E., Steding-Ehrenborg, K. & Arheden, H., 2022 Dec 1, In: American Journal of Cardiology. 184, p. 48-55 8 p.

### **Galectin-4 levels in hospitalized versus non-hospitalized subjects with obesity: the Malmö Preventive Project**

Korduner, J., Holm, H., Jujic, A., Melander, O., Pareek, M., Molvin, J., Råstam, L., Lindblad, U., Daka, B., Leosdottir, M., Nilsson, P. M., Bachus, E., Olsen, M. H. & Magnusson, M., 2022 Jul 2, In: Cardiovascular Diabetology. 21, 1, 125.

### **Hemodynamic force analysis is not ready for clinical trials on HFpEF**

Arvidsson, P. M., Nelsson, A., Magnusson, M., Smith, J. G., Carlsson, M. & Arheden, H., 2022 Mar 7, In: Scientific Reports. 12, 4017.

**Physical Inactivity Is Associated With Post-discharge Mortality and Re-hospitalization Risk Among Swedish Heart Failure Patients: —The HARVEST-Malmö Study**

Zaghi, A., Holm, H., Korduner, J., Dieden, A., Molvin, J., Bachus, E., Jujic, A. & Magnusson, M., 2022 Feb 21, In: *Frontiers in Cardiovascular Medicine*. 9, 9 p., 843029.

**Cardiovascular Profile of South African Adults with Low-Level Viremia during Antiretroviral Therapy**

Botha-le Roux, S., Elvstam, O., De Boever, P., Goswami, N., Magnusson, M., Nilsson, P. M., Strijdom, H., Björkman, P. & Fourie, C. M. T., 2022, In: *Journal of Clinical Medicine*. 11, 10, 2812.

**How to calculate ventricular–arterial coupling?**

Holm, H., Magnusson, M., Jujic, A., Bozec, E. & Giererd, N., 2022, In: *European Journal of Heart Failure*. 24, 4, p. 600-602

**Kinetic energy of left ventricular blood flow across heart failure phenotypes and in subclinical diastolic dysfunction**

Arvidsson, P. M., Nilsson, A., Edlund, J., Smith, J. G., Magnusson, M., Jin, N., Heiberg, E., Carlsson, M., Steding-Ehrenborg, K. & Arheden, H., 2022, In: *Journal of Applied Physiology*. 133, 3, p. 697-709

**Machine Learning-Derived Echocardiographic Phenotypes Predict Heart Failure Incidence in Asymptomatic Individuals**

Kobayashi, M., Huttin, O., Magnusson, M., Ferreira, J. P., Bozec, E., Huby, A.-C., Preud'homme, G., Duarte, K., Lamiral, Z., Dalleau, K., Bresso, E., Smaïl-Tabbone, M., Devignes, M.-D., Nilsson, P. M., Leosdottir, M., Boivin, J.-M., Zannad, F., Rossignol, P., Giererd, N. & STANISLAS study, 2022, In: *JACC: Cardiovascular Imaging*. 15, 2, p. 193-208

**The impact of myocardial fibrosis biomarkers in a heart failure population with atrial fibrillation—The HARVEST-Malmö study**

Nezami, Z., Holm, H., Ohlsson, M., Molvin, J., Korduner, J., Bachus, E., Zaghi, A., Platonov, P., Jujic, A. & Magnusson, M., 2022, In: *Frontiers in Cardiovascular Medicine*. 9, p. 1-11 982871.

**Proteomic and Metabolomic Characterization of Metabolically Healthy Obesity: A Descriptive Study from a Swedish Cohort**

Korduner, J., Nilsson, P. M., Melander, O., Gerl, M. J., Engström, G., Bachus, E., Magnusson, M. & Ottosson, F., 2021 Oct 6, In: *Journal of Obesity*. 2021, 9 p., 6616983.

**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., Sjölander, A., Sköld, M. C., Sundström, J., Swahn, E., Söderberg, S., Torén, K., Östgren, C. J. & Jernberg, T., 2021 Sept 21, In: *Circulation*. 144, 12, p. 916-929

**Mapping genetic determinants of 184 circulating proteins in 26,494 individuals to connect proteins and diseases**

Macdonald-Dunlop, E., Klaric, L., Folkersen, L., Timmers, P. R. H. J., Gustafsson, S., Hua Zhao, J., Eriksson, N., Richmond, A., Enroth, S., Mattsson-Carlgen, N., Zhernakova, D. V., Magnusson, M., Smith, J. G. & Hansson, O., 2021 Aug 5, medRxiv, 27 p.

**Exploring biomarkers associated with deteriorating vascular health using a targeted proteomics chip: The SABPA study**

Dieden, A., Malan, L., Mels, C. M. C., Lammertyn, L., Wentzel, A., Nilsson, P. M., Gudmundsson, P., Jujic, A. & Magnusson, M., 2021 May 21, In: *Medicine*. 100, 20, 8 p., e25936.

**Mendelian randomisation identifies alternative splicing of the FAS death receptor as a mediator of severe COVID-19**

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## **Awards**

**Selenium Intervention Pilot and Feasibility Study in Heart Failure (SIP-HF)**

Magnusson, M. (PI)

Swedish Research Council: SEK1,134,720.00

2025/01/01 → 2026/12/31

## Projects

### **Cardiac rehabilitation in patients with heart failure**

Brudasca, D. (Researcher), Leosdottir, M. (Supervisor), Magnusson, M. (Supervisor) & Bäck, M. (Researcher)

### **Exploration of biomarkers in heart failure**

Dieden, A. (Research student), Magnusson, M. (Supervisor), Jujic, A. (Assistant supervisor) & Gudmundsson, P. (Assistant supervisor)

2019/06/01 → ...

### **Hypertension and neurodegeneration - BP regulation, inflammation and beyond**

Don-Doncow, N. (Researcher), Vanherle, L. (Research student), Meissner, A. (PI), Duarte, J. (PI) & Magnusson, M. (PI)

### **KHD: Kompetens centrum Hjärta och Diabetes - KHD**

Magnusson, M. (PI) & Jujic, A. (Researcher)

Hulda och E Conrad Mossfelts Stiftelse, Ernhold Lundströms stiftelse, Sydvästra Skånes Diabetesförening

2007/01/01 → ...

### **HARVEST: Prediction, Prevention and Treatment of Progressing Heart Failure and Coincident Cognitive Impairment**

Magnusson, M. (PI), Holm Isholth, H. (Research student), Jujic, A. (Researcher) & Molvin, J. (Researcher)

Greta and Johan Kock Foundation, Ernhold Lundströms stiftelse, Craford Foundation, The Swedish Heart Lung Foundation

### **Reducing the Burden of Heart Failure by Earlier Diagnosis and Precise Staging using Magnetic Resonance and SPECT Imaging**

Arheden, H. (PI), Nilsson, A. (Research student), Steding Ehrenborg, K. (Researcher), Engblom, H. (Researcher), Smith, G. (Researcher), Magnusson, M. (Researcher), Heiberg, E. (Researcher), Ostenfeld, E. (Researcher) & Arvidsson, P. (Researcher)

The Swedish Heart Lung Foundation

2021/01/01 → ...

### **S1P signaling in experimental hypertension and associated target organ damage**

Don-Doncow, N. (Researcher), Vanherle, L. (Research student), Matthes, F. (Researcher), Magnusson, M. (Col) & Meissner, A. (PI)

### **Escaper: Searching for clinical extremes to find protective mechanisms Cardiovascular and metabolic phenotyping of individuals protected from cardiovascular complications in spite of risk factor burden or clinical disease**

Gottsäter, A. (Researcher), Nilsson, P. M. (Researcher), Kennbäck, C. (Project coordinator), Melander, O. (Researcher), Christensson, A. (Researcher), Engström, G. (Researcher), Löndahl, M. (Researcher), Lehti, L. (Researcher), Hedström, E. (Researcher), Arheden, H. (Researcher), Magnusson, M. (Researcher), Lyssenko, V. (Researcher), Ekström, O. (Researcher) & Jujic, A. (Researcher)

2022/03/01 → 2025/12/31

### **The impact of physical activity in heart failure prognosis and for cardiac function**

Zaghi, A. (Researcher), Magnusson, M. (Supervisor), Holm Isholth, H. (Assistant supervisor) & Jujic, A. (Assistant supervisor)

### **The Incretin system's Impact on Cardiovascular Risk and Cancer**

Magnusson, M. (PI), Şahoğlu Göktaş, S. (Researcher), Francisco, A. (Researcher), Meissner, A. (Researcher) & Duarte, J. (Researcher)

Swedish Research Council

2023/01/01 → 2027/12/31

### **The use of Genomics and Proteomics for the Detection and Prevention of Cardiometabolic Disease**

Molvin, J. (Research student) & Magnusson, M. (Supervisor)

Hulda och E Conrad Mossfelts Stiftelse, Maggie Stephens stiftelse

2015/02/02 → 2020/02/02

