

# CURRICULUM VITAE

## Per-Arne Svensson

Konvaljevägen 1A  
437 31 Lindome  
Sweden

Telephone: 031-342 1186 (lab), 031-828386 (home), 0733-828386  
Born in Stockholm, Sweden, May 31, 1969

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### Current Position:

- 2018.04.05 – present, Professor, Institute of Health and Care Science. The Sahlgrenska Academy, Göteborg University. Sweden. 40% research (research at Department of Molecular and Clinical Medicine. Institute of Medicine. The Sahlgrenska Academy, Göteborg University)

### Doctor degree:

- 2001-10-25, Ph.D., Medicine, (Endocrinology), Göteborg University.  
Title: Studies on scavenger receptor class B type I and genes implicated in foam cell formation.  
Supervisor: Professor Björn Carlsson

### Post-doc Positions:

- 2003.01.01 – 2005.12.31, Swegene post-doc, Wallenberg Laboratory for Cardiovascular Research and Research Centre for Endocrinology and Metabolism, The Sahlgrenska Academy, Göteborg University. Sweden
- 2007.02.01 – 2008.08.01, Industrial post-doc at Sahlgrenska Center for Cardiovascular and Metabolic Research (CMR) and at integrative pharmacology at AstraZeneca (Mölndal). 100% research

### Associate professor degree:

Associate professor (Docent) in Molecular Medicine 2008-10-05

### Professor degree:

Professor in Medical sciences (Anatomy and physiology): 2018-04-05

### Previous Positions:

- 2016.09.01 – 2018-04-04, Senior lecturer (Universitetslektor), Institute of Health and Care Science. The Sahlgrenska Academy, Göteborg University. Sweden. 50% research (research at Department of Molecular and Clinical Medicine. Institute of Medicine. The Sahlgrenska Academy, Göteborg University)
- 2012.12.01 – 2016-08-31, Researcher, Department of Molecular and Clinical Medicine. Institute of Medicine. The Sahlgrenska Academy, Göteborg University. Sweden. 80-60% research
- 2008.08.01 – 2012.11.30, Swedish research counsel Junior researcher (Forskarassistent) at Sahlgrenska Center for Cardiovascular and Metabolic Research (CMR). 100% research

- 2007.02.01 – 2008.08.01, Industrial post-doc at Sahlgrenska Center for Cardiovascular and Metabolic Research (CMR) and at integrative pharmacology at Astrazeneca (Mölndal). 100% research
- 2006.04.01 – 2007.01.31. Guest teacher, Institute of Health and Care Sciences, The Sahlgrenska Academy, Göteborg University. Sweden
- 2006.01.01 – 2006.03.28. Assistant researcher (biträdande forskare), Department of Metabolic and Cardiovascular Research, The Sahlgrenska Academy, Göteborg University. Sweden
- 2003.01.01 – 2005.12.31, Swegene post-doc, Wallenberg Laboratory for Cardiovascular Research and Research Centre for Endocrinology and Metabolism, The Sahlgrenska Academy, Göteborg University. Sweden
- 2001.10.26 – 2002.12.31, Assistant researcher (biträdande forskare), Research Centre for Endocrinology and Metabolism, Department of Internal Medicine, Göteborg University. Sweden
- 1997.05.27 – 2001.10.25, Ph.D student, Research Centre for Endocrinology and Metabolism, Department of Internal Medicine, Göteborg University. Sweden

## **Scientific supervision:**

### **Post-doc supervision**

Atsuhito Saiki (MD. PhD. Post-doc from Japan 2008-2009)  
 Jenny Palmring (Post-doc spring 2012)  
 Alexander Shulman (part time post-doc 2016-2020)  
 Sergey Lupashyk (Belarus post-doc, July-august 2017)

### **PhD-student supervision**

Daniel Hägg (PhD, 2008-10-27) Main supervisor  
 Maja Olsson (PhD 2010-05-27) Co-supervisor  
 Camilla Glad (PhD 2013-04-05) Co-supervisor  
 Sofie Ahlin (PhD 2013-12-19) Co-supervisor  
 Åsa Anveden (PhD 2015-12-02) Main supervisor  
 Demitrios Chantzichristos (PhD 2018-06-08) Co-supervisor

### **Other scientific supervision:**

Daniel Hägg (Master thesis student, Fall 2003)  
 Xianghua Zhou (Master thesis student, Fall 2003) Co-supervisor  
 Anna-Karin Sjögren (Master thesis student, Fall 2004) Co-supervisor  
 Helena Samuelsson (Master thesis student, Spring 2005)  
 Erik Schele (Master thesis student, Spring 2006)  
 Santosh Dahgam (Master thesis student, Fall 2007)  
 Petros Papachilleos (MD, Pre-PhD studies, Spring 2008)  
 Jenny Hoffman (Bachelors thesis student, Spring 2010)  
 Björkman Per, Josefsson Per (Master thesis students, Spring 2011)  
 Kristin Lindberg, Ammanuens program, spring 2011-Fall 2013).  
 Frida Davidsson, Elin Nilsson (Master thesis students, Spring 2012)  
 Linda Olsson, Elin Särnström (Master thesis students, Spring 2012)  
 Maria Öberg, Anna Bohlin (Master thesis students, Spring 2013)  
 Johanna Larsson, Sofia Sutherland (Master thesis students, Spring 2014)  
 Maria Svensson, Maria Hansson (Master thesis students, Spring 2015)  
 Malin Bjellert, Sandra Carlsson (Master thesis students, Spring 2015)  
 Edit Zenténus (MD summer student, Summer 2015)  
 Filipe Kristensson (MD summer student, Summer 2015)  
 Edit Zenténus, Ammanuens program, 2016- 2019).  
 Madelene Helg, Helena Bergmansson (Master thesis students, Spring 2016)

Rebecka Tano, Maria de Barros (Master thesis students, Spring 2016)  
Tobias Holmin (MD Summer student 2016)  
Tobias Holmin (Master thesis students, Spring 2017)  
Anna Neretnieks Olsson, Therese Nilsen (Master thesis students, Spring 2017)  
Cecilia Holmberg, Malin Gustavsson (Master thesis students, Spring 2017)  
Samah Habbouche (ST-läk project, Spring 2019)  
Linnea Gustavsson (ST-läk project, fall 2019)  
Jonas Sundström (ST-läk project, spring 2020)  
Malin Tallian (MD student project, fall 2020)

## **International scientific experience:**

- Mars-April 2003. Visiting researcher, Center for Molecular Stress Response, Boston Medical Center, Boston, USA.
- Mars-May 2014. Visiting Professor (Fuego project), Department of Chemistry, Federal University of Mato Grosso, Cuiabá, Mato Grosso, Brazil.
- Sept 2014. Visiting Professor (Fuego project), Institute of Bioorganic Chemistry, National Academy of Sciences of Belarus, Grodno, Belarus.

## **Formal pedagogic training**

- 2004 – Scientific supervision (0.5p)
- 2004 – Introduction to university pedagogy (1p)
- 2005 – Pedagogic course at the Sahlgrenska Academy (2p)
- 2006.- University pedagogic in healthcare education (Learnable) (5p)
- 2008 – Pedagogic project work (mandatory for Docent) (equivalent to 3hp)
- 2007 – 2010 Leadership training within Sahlgrenska Center for Cardiovascular and Metabolic Research (CMR) including teambuilding, conflict management and evaluation of own leadership style.
- 2010 -.University Pedagogics III: Applied analysis,(VPH030) (5hp)

## **Other pedagogic merits**

- 2006.04.01 – 2007.01.31. Guest teacher, Institute of Health and Care Sciences, The Sahlgrenska Academy, Full time teacher in anatomy, physiology and Biomedicine
- Teacher at graduate student courses  
Metabola syndromet III, Forskningsmetodik, Microarray data analysis,
- Course administrator for Biomedicin I (fall 2006)
- Examiner (Biomedicin I, humanbiologi I, Anatomi och Fysiologi, Farmakologi)
- Examiner (Project works for specialist nurses, OM5340), Spring 2011-2015.
- Participant, HKG2013 (university pedagogic conference) October 2013
- Supervisor for Cecilia Karlsson MD, PhD, pedagogic project work (mandatory for associate professor degree, HPE 103)
- Supervisor for Ingrid Larsson (PhD) during her pedagogic project work (mandatory for associate professor degree, independent work corresponding to HPE 103). Summer-Fall 2015.

- Participant, HKG2015 (university pedagogic conference) October 2015
- Supervisor for Magdalena Taube (PhD) during her pedagogic project work (mandatory for associate professor degree, HPE103). Summer-Fall 2015.
- Supervisor for Per Fogelstrand (PhD) during his pedagogic project work (mandatory for associate professor degree, independent work corresponding to HPE103). Spring 2019
- Participant, HKG2021 (university pedagogic conference) November 2021
- 2019 – present; Member of the steering committee for the National network of teaching nursing students medical science (Nationella nätverket för medicinsk vetenskap i sjuksköterskeprogrammet).
- 2019 – present; Leader of the for the medical science teacher team (Institute of Health and Care Sciences).
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### **Commissions of trust:**

- Aug 2006-May 2007. alternate member of the Board of the Sahlgrenska Academy research council (forskningsrådet, FOR)
- Aug 2006-May 2007. Member of the Board of the research council (forskningsutskottet, FOS) at the Institute of Health and Care Sciences at the Sahlgrenska Academy
- Okt 2005-May 2007. Member of the Board of the Junior Faculty at the Sahlgrenska Academy
- Oct 2007, Organizer first CMR-meeting, Säröhus, Sweden
- 2008-08-25. Review panel for Anna Aminoff (Karolinska Institute) in half time seminar for postgraduate studies
- 2010-present Member of the SOS-study steering committee.
- 2009-09-10, Review panel for Evelina Bernberg (Gothenburg University) in half time seminar for postgraduate studies
- 2011-12-19, Review panel for Maria Pereira (Gothenburg University) in half time seminar for postgraduate studies
- 2012-05-24, Review panel for Emmelie Cansby (Gothenburg University) in half time seminar for postgraduate studies
- 2012-09-14, Review panel for Ellen Hansson dissertation (Gothenburg University). Dissertation title: The hemostatic pathway in ischemic stroke.
- 2012-present member of the Mölnlycke Health Care Advisory Board on thermoregulation
- 2013-02-28, Review panel for Julia Johansson dissertation (Gothenburg University). Dissertation title: Polycystic Ovary Syndrome, effects of acupuncture in insulin resistance and neuroendocrine function.
- 2013-03-08; Chairman for Annika Nersted Dissertation. (Gothenburg University)
- 2013-09-17; Review panel for He Gao dissertation (Karolinska Institute). Dissertation title: Genetic predisposition and dietary factors in relation to adiponectin and insulin resistance.
- 2013-10-17, Review panel for Ali Komai (Gothenburg University) in half time seminar for postgraduate studies.
- 2013-10-23 – 2015-12-01 Associate Editor of BMC Obesity

- 2014-06-04; Chairman for Linnea Schmidt Dissertation. (Gothenburg University)
- 2014-06-12; Chairman for Umesh Raj Aryal Dissertation. (Gothenburg University)
- Aug 2015-August 2016. Member of the Board of the Institute of Medicine, Sahlgrenska Academy (Institutionsrådet).
- 2015-10-23; Chairman for Teresia Kling Dissertation. (Gothenburg University)
- 2016-01-16; Examiner for Anna Björk's Master Thesis (MD-program Gothenburg University)
- 2016-05-20; Review panel for Emma Svensk dissertation (Gothenburg University). Dissertation title: C. elegans PARQR-2, a regulator of membrane homeostasis.
- 2016-08-25, Review panel for Milana Kokosar (Gothenburg University) in half time seminar for postgraduate studies.
- 2018-01-26, Faculty opponent for Caroline Blomqvist dissertation (Umeå University). Dissertation title: Metabolic consequences of a paleolithic diet in obese postmenopausal women.
- 2018-06-13 – present; Member of the Drafting committee (beredningsgruppen) for the Faculty board at the Sahlgrenska Academy.
- 2018-12-14; Review panel for Veroniqa Lundbäck dissertation (Karolinska Institute). Dissertation title: Role of thyroid stimulating hormone receptor and novel candidate genes FAM13A and POM121C in adipocyte dysfunction.
- 2019-08-29 – present; Member of the Board of the research council (forskningsutskottet, FOS) at the Institute of Health and Care Sciences at the Sahlgrenska Academy
- 2019-10-20; Review panel for Panagiota Drivelegka (Gothenburg University) in half time seminar for postgraduate studies.
- 2019-11-12 – present; Chairman of the Board of the research council (forskningsutskottet, FOS) at the Institute of Health and Care Sciences at the Sahlgrenska Academy and member of the Board of the research council (forskningsrådet, FOR) at the Sahlgrenska Academy.
- 2019-11-12 – 2020-05-26; Acting member of the ethical board at the Sahlgrenska Academy (FER) and acting member of the collaboration board for health care (Vård-sam) at the Sahlgrenska Academy.
- 2019-11-28; Review panel for Jimmy Celind (Gothenburg University) in half time seminar for postgraduate studies.
- 2020-01-01 – present; Deputy Head of Department for research (Viceprefekt för forskning) at the Institute of Health and Care Sciences at the Sahlgrenska Academy.
- 2020-01-01 – present; Member of the Institutional steering board (Ledningsgruppen) at the Institute of Health and Care Sciences at the Sahlgrenska Academy.
- 2020-04-21; Review panel for Gudrún Höskuldsdóttir (Gothenburg University) in half time seminar for postgraduate studies.
- 2020-06-02 – present; Member of the board of Gothenburg Emergency Medicine REsearch Group (GEMREG). Sahlgrenska University Hospital.
- 2021-01-15; Chairman for Mariela Acuna Mira's Dissertation. (Gothenburg University)
- 2021-03-19; Review panel for Anna Björk (Gothenburg University) in half time seminar for postgraduate studies.
- 2019 – present; Member of the steering committee for the National network of teaching nursing students medical science (Nationella nätverket för medicinsk vetenskap i sjuksköterskeprogrammet).

- 2021-06-18; Organizer of National network of teaching nursing students medical science digital conference.
- 2021 November: Elector for the election of teacher representatives for the University Board.

### Summary commissions of trust

Faculty opponent at PhD dissertation	1	Umeå
Review panel at PhD dissertation	5	GU, KI
Chairman for PhD dissertation	5	GU
Review panel at PhD halftime seminar	10+	GU, KI
Review panel at "pre-dissertations"	15+	GU
Examination/review panel of master thesis	15+	GU

### Referee appointments:

Feb 2001; Journal of Pathology  
 April 2004; Journal of Molecular Medicine  
 Aug 2004; Arterioscler Thromb Vasc Biol.  
 Nov 2004; Arterioscler Thromb Vasc Biol.  
 May 2005; The Journal of Pathology  
 Mars 2006; Cent Eur J Biol  
 Feb 2007; Am J of Physiology- Heart and circulation  
 Nov 2007; Scand J Clin Lab Invest.  
 Jan 2008; BMC Medicine  
 Oct 2009; Nutr, metabol and cardiovascular disease  
 Mars 2010; Journal of biological chemistry  
 Oct 2011; Molecular Biology Reports  
 Dec 2011; Plos One  
 April 2012; Hormone and metabolic Research  
 June 2012; Cell and Tissue Research  
 Oct 2012; BMC genomics  
 Feb 2013; European Journal of Endocrinology  
 Nov 2013, International Journal of Obesity  
 June 2014; Am J of Physiology- Endo & Metabolism  
 Sept 2014; BMC obesity  
 Dec 2014; Am J of Physiology- Endo & Metabolism  
 Mars 2015 Nephrology Dialysis Transplantation  
 April 2015; European Journal of Endocrinology  
 Nov2015; DNA and Cell Biology  
 Dec 2015; European Journal of Endocrinology  
 Jul 2016; Histogy and Histopathology  
 Sept 2016; Journal of inflammation  
 Nov 2016; Diabetes research and clinical practice  
 June 2017; Phytotherapy Research  
 July 2017; Journal of Clinical Nephrology  
 Aug 2017; Journal of Diabetes Investigation  
 Aug 2017; Journal of Diabetes Research  
 Nov 2017; Annals of Internal Medicine  
 Mars 2018; Regenerative Medicine

Mars 2018; BMC Molecular Biology  
April 2018; BMC Immunology  
April 2018; Annals of the Brazilian Academy of Sciences  
May 2018; Annals of Surgical Oncology  
June 2018; Surgery and Clinical Research  
June 2018; PLOS One  
July 2018; Cellular Physiology and Biochemistry  
July 2018; Adipocyte  
Oct 2018; Surgery for Obesity and Related Diseases  
Nov 2018; Journal of Obesity  
Jan 2019; BioMed Research International  
Feb 2019; Metabolism  
Mars 2019; Surgery for Obesity and Related Diseases  
April 2019; Diabetes, Obesity and Metabolism  
July 2019; Journal of Clinical Nephrology  
Aug 2019; Obesity  
Oct 2019; BMC Medical Genetics  
Nov 2019; New England Journal of Medicine  
Jan 2020; Diabetes/Metabolism Research and Reviews  
May 2020; New England Journal of Medicine  
May 2020; International Journal of Obesity  
Sept 2020; The Scandinavian Journal of Clinical & Laboratory Investigation  
Oct 2020; Obesity  
Nov 2020; Metabolism  
Nov 2020; The Scandinavian Journal of Clinical & Laboratory Investigation  
Nov 2020; Diabetes, obesity and Metabolism  
March 2021; European Journal of Inflammation  
June 2021; Metabolism  
July 2021; Diabetes, obesity and Metabolism  
July 2021; Obesity  
Dec 2021; Obesity Medicine

### **Grant reviewer appointments**

Dec 2008. Grant reviewer for Diabetes UK  
May 2011. Grant reviewer for Danish Council for Independent Research  
March 2013. Grant reviewer for Heart Research UK  
Aug 2014. Grant reviewer for Danish Council for Independent Research  
Dec 2016. Grant reviewer for Diabetes UK  
May 2018. Reviewer of the Sahlgrenska Academy post-doc program  
Dec 2018. Reviewer of the Sahlgrenska Academy International starting grant program  
Mars 2019. Nominations for the Göran Gustafsson-price from the Sahlgrenska Academy  
Okt 2019. Nominations for the Kurt and Alice Wallenberg grants from the Sahlgrenska Academy  
Jan 2020. Reviewer for Sahlgrenska Academy's grant to junior researchers for hiring a postdoc.  
Nov 2020. Reviewer for Sahlgrenska Academy's grant to junior researchers for hiring a postdoc.  
Spring 2021 Reviewer for International Postdoc (IPD) at the Swedish Research Council  
Summer 2021 Reviewer for PhD student projects at the institute of Health and Care Sciences, University of Gothenburg.  
Nov 2021 Reviewer for project bound PhD positions and Post-doc positions at the Sahlgrenska Academy.

## **Invited lectures:**

2001-05-30, Invited lecturer at Institutions seminarium, Odontology, Umeå University. Title: "Expression profiling by microarrays in clinical research".

2001-05-31, Invited lecturer at Biofilm workshop, Umeå University. Title: "Expression profiling by microarrays in clinical research".

2009-09-22, Invited lecturer at The 3rd Congress of the International Society of Nutrigenetics/Nutrigenomics. National Institutes of Health, Bethesda, Maryland, USA

2010-03-12, Invited lecturer at ENDODIABETES 2010. Gothenburg, Sweden, Title: Humana fettvävens genuttryck – effekter av fetma och viktnedgång

2012-01-26, Invited lecturer at The Dag Thelle Anniversary research seminar. Oslo, Norway, Title: Expression profiling of clinical material in search of metabolic key genes.

2013-05-20, Invited lecturer at Chalmers Life Science Area of Advance seminars. Chalmers, Gothenburg. Title: Clinical and molecular aspects of obesity.

2013-04-09, Invited lecturer at Institute of Medicine. UFPR, Curitiba, Brazil. Title: 25 years with the Swedish obese subjects (SOS) study.

2014-04-11, Invited lecturer at Servico de Endocrinologia e Metabolgia, Curitiba, Brazil. Title: Unmasking the human brown adipose tissue.

2015-08-24, Invited lecturer at "end-stage organ damage symposium", CD Diabetes Complications Research Centre, UCD Conway Institute, University College Dublin. Title: Update from the Swedish Obese Subject (SOS) study

2016-01-21, Invited lecturer at MDFO (multidisciplinärt forum för obesitaskirurgi), Göteborg. Titel long-term effects of bariatric surgery: result from the SOS study.

2016-12-15, Invited lecturer at SFO (Svensk obesitasforskning), Göteborg. Bariatric surgery: long-term results from the SOS study.

2017-01-12, Invited lecturer at the meeting "complications of diabetes and obesity symposium" CD Diabetes Complications Research Centre, UCD Conway Institute, University College Dublin. Title: The impact of bariatric surgery on cardiovascular disease and cancer.

2018-11-09, Invited lecturer at the meeting "An-Op-Iva-dagen". Sahlgrenska Universitetssjukhus. Titel: Långtidseffekter av fetmakirurgi: resultat från SOS-studien

2018-11-30, Invited lecturer at SFO (Svensk obesitasforskning), Göteborg. Fetmakirurgi och relationer

2019-01-17, Invited lecturer at MDFO (multidisciplinärt forum för obesitaskirurgi), Göteborg. Titel Sambandet mellan bariatrisk kirurgi och förändringar i relationsstatus

2020-11-30; Invited lecturer at SFI (Studenter i forskning; GU). Titel: "En molekylärbiologs ganska krokiga forskningsresa".

## Awards:

Poster Award ICO 2010 to Camilla Glad. Poster T1: P0.24. The growth hormone receptor exon 3 deleted/full-length polymorphism tagSNP rs6873545 is associated with obesity-related parameters in the SOS reference study. Camilla Glad et al.

Abstract selected for media coverage. Oral presentation. Alcohol abuse after bariatric surgery in the Swedish Obese Subjects (SOS) study ECO2012 Lyon. Svensson P-A et al.

Asklepios award (from Swedish medical association) to Åsa Arnveden for best article in Sweden by M.D. before destination 2013. (PA Svensson main supervisor) Titel: ITIH-5 expression in human adipose tissue is increased in obesity. Obesity (Silver Spring). 2012 Apr;20(4):708-14.

Abstract selected for media coverage. Oral presentation. "Impact of bariatric surgery on relationship status: Results from two Swedish cohort studies" ECO2018 Vienna. Svensson P-A et al.

Shulman A, Peltonen M, Sjöström CD, Andersson-Assarsson JC, Taube M, Sjöholm K, le Roux CW, Carlsson LMS, Svensson P-A. Incidence of End-Stage Renal Disease Following Bariatric Surgery in the Swedish Obese Subjects Study. Int J Obes (Lond). 2018 Jun;42(5):964-973.

Selected as Editor's choice: Best of International Journal of Obesity 2018.

<https://www.nature.com/collections/hbgddhdbgb>

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<b>Publication summary</b>	<b>Total</b>
Number of peer reviewed original publications:	109
Number of publications since dissertation:	106
Number of publications without main PhD supervisor (B Carlsson):	76
Number of first authorship of original publications:	14
Number of last authorship of original publications:	14
Review articles/book chapters	5
Popular scientific or other articles (in Swedish)	7

H-index: 38  
Sum of times cited (without self citations) 6465  
Most highly cited: 885  
Average citations: 60.3  
Web of science October 2021