



Verena Sengpiel
MD, Associate Professor

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PERSONAL INFORMATION

Surname: Sengpiel
Maiden name: Pyritz
First name: Verena
Nationality/Citizenship: Swedish/Sweden; German/Germany
Family: Married to Bernd Sengpiel,
children Marlene (02), Jakob (04), Gustav (06), Elisa (07), Charlotte (16) & Linnéa (18)

EDUCATION

Medical Studies: Philipps Universitet, Marburg, Germany
Université Pierre et Marié Curie, Paris, France
Ruhruniversitet, Bochum, Germany
University degree: Medical doctor (MD), Ruhr University, Bochum, Germany 2004
Professional Qualifications: Licensed physician (The Swedish National Board of Health and Welfare, SoS), 2004
Board Certification obstetrics and gynecology (Swedish Society for Obstetrics and Gynecology, SFOG), 2014
Specialist in obstetrics and gynecology (SoS), 2014
Postgraduate Research education: PhD, "S19-mRNA expression in squamous cell carcinomas of the upper aerodigestive tract", Philipps Universitet, Marburg, Germany 2005
Assessed and accepted by the Swedish National Agency for Higher Education (Reg.nr. 51-02184-09)
2009-2016 Postdoc at the Department of Obstetrics and Gynecology, Sahlgrenska Academy, University of Gothenburg, Gothenburg
Since 2016 Associate Professor, Department of Obstetrics and Gynecology, Sahlgrenska Academy, Gothenburg University, Gothenburg, Sweden

EMPLOYMENT

Current employers: Specialist in obstetrics and gynecology at the Department of Obstetrics and Gynecology, Sahlgrenska University Hospital, Gothenburg (60% clinical work, 20% research time and medical student education)
Associate Professor at Sahlgrenska Academy, University of Gothenburg, Gothenburg
20% at the Swedish Pregnancy Registry (www.graviditetsregistret.se)
Previous positions: 2002-2003 Praktisches Jahr (Internship) at the Departments of Medicine and Surgery, Krankenhaus der Augustinerinnen, Bochum, Department of Obstetrics and Gynecology, Marien Hospital, Witten, Germany
2004-2006 Underläkare (Internship) at Höglandets Sjukhus i Eksjö and Vetlanda Vårdcentral, Sweden
2007-2014 "ALF-ST-läkar-tjänst" (Resident and Research fellowship) at the Department of Obstetrics and Gynecology, Sahlgrenska University Hospital, Gothenburg, with 4 years of combined 50% research time and 50% clinical resident employment

SCIENTIFIC MERITS

2011	Oral presentation at the Annual Meeting of the SMFM (Society for Maternal-Fetal Medicine), San Francisco, US
2011	Invited talk at PREBIC (The International PREterm Birth Collaborative), Geneva, Switzerland
2013	Poster presentation at the Annual Meeting of the SMFM, San Francisco, US
2013	Invited roundtable discussion with Brantsaeter AL, moderator: James JE. Journal of Caffeine Research. March 2013, 3(1): 3-8. doi:10.1089/jcr.2013.1229.
2013	Initiative and organization of the Research Day Perinatal Medicin "Forskningsdag perinatalmedicin" at Sahlgrenska University Hospital, Gothenburg,
2013	Poster presentation at the "2 nd World Congress on Surgical Training – Surgicon", Gothenburg, Sweden
2014	Organizationcommittee of the Research Day "Kvinnosjukvårdens och Salgrenska Akademiens forskningsdag 2014" at Sahlgrenska University Hospital, Gothenburg
2014-2016	Chairman of the Organization Committee for the 2 nd European Preterm Birth Congress ESPBC, Gothenburg 2016
2014	Symposium at "Framtidens Specialistläkare" in Malmö: "Ge Kniven Vidare - En kampanj för att förbättra den kirurgiska träningen"
Since 2014	Board-member of Svenskt nätverk för nationella kliniska studier inom Ob/Gyn SNAKS (Swedish consortium for clinical studies in obgyn), www.sfog.se
Since 2020	Vice-chair of SNAKS
Since 2015	Member of the working group "delivery" Graviditetsregistret (the Swedish National Pregnancy Register) https://www.medscinet.com/gr/default.aspx
Since 2019	Steering group member of the Swedish National Pregnancy Register
Since 2020	Chair of the working group "delivery", the Swedish National Pregnancy Register
2015	Award for best oral presentation obstetrics at "SFOG-veckan", Jönköping, Sweden
2015	Symposium at "Riksstämman" in Stockholm: "Ge Kniven Vidare – Så tar vi ansvar för vår framtida utbildning"
2016	Oral presentation and award for best abstract at DGGG 2016, Stuttgart, Germany
2017-2019	Member of the NFOG guideline group on progesterone for prevention of preterm deliver
2019	Invited speaker at "The national conference on clinical studies" in Malmö on "SNAKS" the research network for clinical studies in obgyn in Sweden
2019	Invited speaker at "Urologidagarna" in Västerås on "SNAKS" the research network for clinical studies in obgyn in Sweden
2019	Organizationcommittee of the Research Day "Akademidag område 1, 2019" at Sahlgrenska University Hospital, Gothenburg
Since 2019	Organization committee for SFOG vecka 2021 in Gothenburg

Scientific Courses

2011	Introduction to Research (15 higher education credits), Sahlgrenska Academy, University of Gothenburg
2011	Continuation course in Medical Statistics (5 higher education credits), Sahlgrenska Academy, University of Gothenburg
2012	Molecular Genetics of Diseases and Traits (1.5 higher education credits), Sahlgrenska Academy, University of Gothenburg
2014	Genetic Association Course with Application to Analysis of Sequence and Genotype Data, Max Delbrück Center for Molecular Medicine–Berlin, Germany
2014	Registerbased Statistics (3 higher education credits), Sahlgrenska Academy, University of Gothenburg
2014	Summer School on Modern Methods in Biostatistics and Epidemiology (Basics of Stata, Missing data, Applied logistic regression, Epidemiology II, Biostatistics II), Treviso, Italy
2017	NFOG education in GRADE
2017	Webinar Revman
2019/2020	REAL5 (Research Leader Initiative) at Gothenburg University
2020	Good Clinical Practice course

**Supervision
PhD students:**

Johanna Wiik (MD) "HPV infection, cervical dysplasia, the cervical inflammatory response and onset of delivery as well as preterm delivery". Main supervisor
 Linnéa Lindroos (MD) "Obstetric triage". Main supervisor
 Lilja Thorgeirsdóttir (CNM) "Kognition, upplevelser och självskattad hälsa hos kvinnor med preklampsi under graviditeten, efter förlossningen och upp till ett år efter"

förlossningen”. Co supervisor
 Patricia Johansson (MD) “Chorioamnionitis and the risk of future infection”. Co supervisor

Linda Englund- Ögge (MD) “Glycemic property of maternal diet and pregnancy outcome - special emphasis on preterm delivery”. Defense 170505. Co supervisor
 Jonas Bacilis (MS) “Timing of Parturition – Genetics”. Defense 181122. Co supervisor

Resident Projects: Mahsa Nordqvist (MD) “Intake of probiotic food and risk for preterm delivery and preeclampsia”. Defense 180615. Main supervisor
 Nona Sargisian (MD) “Recreational exercise and spontaneous preterm delivery”. Defense 180615. Main supervisor
 Sofii Karlsson (MD) “Effect of probiotic intake on lactational mastitis and breast feeding duration”. Defense 190510. Main supervisor
 Sofia Berglundh (MD) “Maternal caffeine intake and neurocognitiv development during childhood”. Main supervisor
 Ebba Holmquist (MD) “Maternal intake of selenium and maternal selenium status during pregnancy in association with preeclampsia and hypertensive state”. Main supervisor
 Karin Kjölhede (MD) “Continued Glucose Monitoring in pregnancies complicated by type 1 and 2 diabetes”. Co supervisor

Master Projects: Dominika Modzelewska (MS) “Maternal caffeine intake and neonatal health”. Defense 160322. Main supervisor

PEDAGOGICAL MERITS

2008-ongoing 2008-2010	Seminars and lectures for medical and midwife students at Gothenburg University Organization of the Resident Education at the Department of Obstetrics and Gynecology, Sahlgrenska University Hospital, Gothenburg (1.5 hours/week)
2010 2010-2013	Organization of the “Regional Resident Day: Obstetrical Ultrasound” Development and implementation of a homepage template for Sahlgrenska University Hospital in order to facilitate resident education
2011	Organization of course “Groupdevelopment and Start-off for Organization Committee of the Resident Conference 2012” for residents at the Department of Obstetrics and Gynecology, Sahlgrenska University Hospital
2011-2014 2011-2020 2012	Board member of Swedish Trainees of Obstetrics and Gynecology, OGU Board member of the Education Committee of SFOG Chairman of the Organization Committee for the Annual Resident Conference in Obstetrics and Gynecology “OGU-dagar 2012” in Gothenburg
2012	Organization of two workshops at “SFOG veckan 2012” in Kristianstad: HLR for pregnant women, Obstetrical Ultrasound – Common Malformations
2013-2015 2013/2014 2013/2014	Organization of the Swedish Surgical Resident Organizations Campaign “Pass on the knife” SFOG Representative in SoS KUST project (courses during specialist training) Course instructor “Handledning & professionell utveckling” for residents at the Department of Obstetrics and Gynecology, Sahlgrenska University Hospital
2014	Organization of two workshops at “SFOG veckan 2014” in Varberg: Sexology and Perineal tears as well as symposium “Föreningssymposium: Lära för livet: Håller du dig á jour?” (Lifelong learning)
2015-2018	SPUR Coordinator for Obstetrics and Gynecology, Sweden (inspection of resident programs run by professionals within the speciality)
2015 & 2016 2015-2018	Organization of SFOGs specialist examination 2015 in Gothenburg Supervision of pedagogical project of Andrea Jonsdotter (MD), Caroline Stadelmann (MD) and Sofia Karlsson (MD) as obligatory resident quality improvement project
2015 ongoing	Organization of medical student exchange with University College Cork, Irland and Gothenburg University
2016	Organization of medical student exchange with University of Tokyo, Japan and Gothenburg University
2018 2018 2020	Lecturer at “Diabetes och barnafödande 2020” 7.5hp, Gothenburg University Invited speaker at “OGU-dagar 2018” in Hudiksvall on “SNAKS” and “SPUR inspektioner” Lecturer at “Diabetes och barnafödande 2020” 7.5hp, Gothenburg University

Pedagogical Courses
 2009-2011 Education as resident supervisor within “ST-utvecklingsprogram” at Sahlgrenska University Hospital, Gothenburg

2012	Supervision in Post-Graduate Programs (5 higher education credits), Sahlgrenska Academy, University of Gothenburg
2013	Clinical supervision of medical students (5 higher education credits), Sahlgrenska Academy, University of Gothenburg
2015	Education to "SPUR inspektor" at Lipus, Stockholm
2015	Behörighetsgivande högskolepedagogik 1HPE 101 (5 higher education credits), Sahlgrenska Academy, University of Gothenburg
2016	"INU - inspirationseftermiddag läkarprogrammet" (Infrastruktur för blended learning, flipped classroom, rum för aktivt lärande)
2018	"Handledarutbildning – Kompletteringsdag Progressionsbedömning" at Sahlgrenska

PUBLICATION LIST

Scientific publications

1. Rost T, et al. Reduction of LOX- and LOXL2-mRNA expression in head and neck squamous cell carcinomas. *Anticancer Res.* 2003;23(2B):1565-73.
2. Sengpiel V, et al. S19-mRNA expression in squamous cell carcinomas of the upper aerodigestive tract. *Anticancer Res.* 2004;24(4):2161-7.
3. Brantsaeter AL, et al. Intake of probiotic food and risk of preeclampsia in primiparous women: the Norwegian Mother and Child Cohort Study. *Am J Epidemiol.* 2011;174(7):807-15.
4. Myhre R, et al. Intake of probiotic food and risk of spontaneous preterm delivery. *Am J Clin Nutr.* 2011;93(1):151-7.
5. Myking S, et al. Candidate gene analysis of spontaneous preterm delivery: new insights from re-analysis of a case-control study using case-parent triads and control-mother dyads. *BMC Med Genet.* 2011;12:174.
6. Englund-Ogge L, et al. Association between intake of artificially sweetened and sugar-sweetened beverages and preterm delivery: a large prospective cohort study. *Am J Clin Nutr.* 2012;96(3):552-9.
7. Khatibi A, et al. Prepregnancy maternal body mass index and preterm delivery. *Am J Obstet Gynecol.* 2012;207(3):212 e1-7.
8. Myatt L, et al. A standardized template for clinical studies in preterm birth. *Reprod Sci.* 2012;19(5):474-82.
9. Tyrrell J, et al. Genetic variation in the 15q25 nicotinic acetylcholine receptor gene cluster (CHRNA5-CHRNA3-CHRNA4) interacts with maternal self-reported smoking status during pregnancy to influence birth weight. *Hum Mol Genet.* 2012.
10. Sengpiel V. ["Pass the knife on"--campaign for better surgical training for interns]. *Lakartidningen.* 2013;110(22):1109.
11. Sengpiel V, et al. Maternal caffeine intake during pregnancy is associated with birth weight but not with gestational length: results from a large prospective observational cohort study. *BMC medicine.* 2013;11(1):42.
12. Brantsaeter AL, et al. Diet matters, particularly in pregnancy – Results from MoBa studies of maternal diet and pregnancy outcomes. *Norsk Epidemiologi.* 2014;24(24):63-77.
13. Englund-Ogge L, et al. Maternal dietary patterns and preterm delivery: results from large prospective cohort study. *BMJ.* 2014;348:g1446.
14. Sengpiel V, et al. Folic acid supplementation, dietary folate intake during pregnancy and risk for spontaneous preterm delivery: a prospective observational cohort study. *BMC pregnancy and childbirth.* 2014;14(1):375.
15. van der Valk RJ, et al. A novel common variant in DCST2 is associated with length in early life and height in adulthood. *Hum Mol Genet.* 2014.
16. Felix JF, et al. Genome-wide association analysis identifies three new susceptibility loci for childhood body mass index. *Hum Mol Genet.* 2015.
17. Zambrana IM, et al. Preterm delivery and risk for early language delays: a sibling-control cohort study. *Int J Epidemiol.* 2015.
18. Zhang G, et al. Assessing the Causal Relationship of Maternal Height on Birth Size and Gestational Age at Birth: A Mendelian Randomization Analysis. *PLoS Med.* 2015;12(8):e1001865.
19. Ahlin K, et al. Antecedents of cerebral palsy according to severity of motor impairment. *Acta Obstet Gynecol Scand.* 2016.
20. Bacelis J, et al. Literature-Informed Analysis of a Genome-Wide Association Study of Gestational Age in Norwegian Women and Children Suggests Involvement of Inflammatory Pathways. *PLoS One.* 2016;11(8):e0160335.
21. Elden H, et al. Study protocol of SWEPIS a Swedish multicentre register based randomised controlled trial to compare induction of labour at 41 completed gestational weeks versus expectant management and induction at 42 completed gestational weeks. *BMC pregnancy and childbirth.* 2016;16(1):49.
22. Felix JF, et al. Genome-wide association analysis identifies three new susceptibility loci for childhood body mass index. *Hum Mol Genet.* 2016;25(2):389-403.
23. Ferrero DM, et al. Cross-Country Individual Participant Analysis of 4.1 Million Singleton Births in 5 Countries with Very High Human Development Index Confirms Known Associations but Provides No Biologic Explanation for 2/3 of All Preterm Births. *PLoS One.* 2016;11(9):e0162506.
24. Jacobsson B, et al. [Överviktiga kvinnor får större barn – sannolikt ett kausalsamband]. *Lakartidningen.* 2016;113(18-19).
25. Tyrrell J, et al. Genetic Evidence for Causal Relationships Between Maternal Obesity-Related Traits and Birth Weight. *JAMA.* 2016;315(11):1129-40.

26. Vollrath ME, et al. Is maternal trait anxiety a risk factor for late preterm and early term deliveries? *BMC pregnancy and childbirth*. 2016;16(1):286.
 27. Zambrana IM, et al. Preterm delivery and risk for early language delays: a sibling-control cohort study. *Int J Epidemiol*. 2016;45(1):151-9.
 28. Brantsaeter AL, et al. Maternal intake of seafood and supplementary long chain n-3 poly-unsaturated fatty acids and preterm delivery. *BMC pregnancy and childbirth*. 2017;17(1):41.
 29. Englund-Ogge L, et al. Meal frequency patterns and glycemic properties of maternal diet in relation to preterm delivery: Results from a large prospective cohort study. *PLoS One*. 2017;12(3):e0172896.
 30. Zhang G, et al. Genetic Associations with Gestational Duration and Spontaneous Preterm Birth. *N Engl J Med*. 2017;377(12):1156-67.
 31. Bacelis J, et al. Uterine distention as a factor in birth timing: retrospective nationwide cohort study in Sweden. *BMJ Open*. 2018;8(10):e022929.
 32. Beaumont RN, et al. Genome-wide association study of offspring birth weight in 86,577 women identifies five novel loci and highlights maternal genetic effects that are independent of fetal genetics. *Hum Mol Genet*. 2018.
 33. Englund-Ogge L, et al. Associations between maternal dietary patterns and infant birth weight, small and large for gestational age in the Norwegian Mother and Child Cohort Study. *Eur J Clin Nutr*. 2018.
 34. Mukanyangezi MF, et al. Screening for human papillomavirus, cervical cytological abnormalities and associated risk factors in HIV-positive and HIV-negative women in Rwanda. *HIV Med*. 2018;19(2):152-66.
 35. Nordqvist M, et al. Timing of probiotic milk consumption during pregnancy and effects on the incidence of preeclampsia and preterm delivery: a prospective observational cohort study in Norway. *BMJ Open*. 2018;8(1):e018021.
 36. Papadopoulou E, et al. Maternal caffeine intake during pregnancy and childhood growth and overweight: results from a large Norwegian prospective observational cohort study. *BMJ Open*. 2018;8(3):e018895.
 37. Al-Haddad BJS, et al. Long-term Risk of Neuropsychiatric Disease After Exposure to Infection In Utero. *JAMA Psychiatry*. 2019.
 38. Barman M, et al. Maternal dietary selenium intake is associated with increased gestational length and decreased risk of preterm delivery. *Br J Nutr*. 2019:1-11.
 39. Englund-Ogge L, et al. Associations between maternal dietary patterns and infant birth weight, small and large for gestational age in the Norwegian Mother and Child Cohort Study. *Eur J Clin Nutr*. 2019;73(9):1270-82.
 40. Fadl H, et al. Changing diagnostic criteria for gestational diabetes in Sweden - a stepped wedge national cluster randomised controlled trial - the CDC4G study protocol. *BMC pregnancy and childbirth*. 2019;19(1):398.
 41. Jar-Allah T, et al. Abnormal cervical cytology is associated with preterm delivery: A population based study. *Acta Obstet Gynecol Scand*. 2019.
 42. Karlsson S, et al. Maternal probiotic milk intake during pregnancy and breastfeeding complications in the Norwegian Mother and Child Cohort Study. *Eur J Nutr*. 2019.
 43. Kristensen K, et al. Continuous glucose monitoring in pregnant women with type 1 diabetes: an observational cohort study of 186 pregnancies. *Diabetologia*. 2019.
 44. Modzelewska D, et al. Caffeine exposure during pregnancy, small for gestational age birth and neonatal outcome - results from the Norwegian Mother and Child Cohort Study. *BMC pregnancy and childbirth*. 2019;19(1):80.
 45. Murray SR, et al. Geographical differences in preterm delivery rates in Sweden: A population-based cohort study. *Acta Obstet Gynecol Scand*. 2019;98(1):106-16.
 46. Wennerholm UB, et al. Induction of labour at 41 weeks versus expectant management and induction of labour at 42 weeks (SWEdish Post-term Induction Study, SWEPIS): multicentre, open label, randomised, superiority trial. *BMJ*. 2019;367:l6131.
 47. Wiik J, et al. Cervical microbiota in women with cervical intra-epithelial neoplasia, prior to and after local excisional treatment, a Norwegian cohort study. *BMC Womens Health*. 2019;19(1):30.
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