

CURRICULUM VITAE – Mats Brännström**Date of Birth:** January 22, 1958**Family:** Married, 5 children**Address:** Mastgatan 3, 426 53 Västra Frölunda, Sweden**Telephone:** +46736254455**Fax:** +4631418717**E-mail:** mats.brannstrom@obgyn.gu.se**Current Position**

From 2003-02-01

Professor
 Department of Obstetrics and Gynecology
 Institute of Clinical Sciences, Sahlgrenska Academy
 University of Gothenburg
and
 Senior consultant
 Gynecology and Reproductive Medicine
 Sahlgrenska University Hospital

From 2008-09-01

Chairman (avdelningschef)
 Department of Obstetrics and Gynecology
 Institute of Clinical Sciences, Sahlgrenska Academy
 University of Gothenburg

From 2016-02-01

Rochester

Visiting professor in Obstetrics and Gynecology, Mayo Clinic,

Previous Positions

2005-2006

Assistant Director (bitr. verksamhetschef),
 Gynecology and Reproductive Medicine
 Sahlgrenska University Hospital

2001-2004

Director (verksamhetschef)
 Gynecology
 Sahlgrenska University Hospital

2001-2003

Professor of Obstetrics and Gynecology (leave of absence)
 Uppsala University

2000-2001

Acting Associate Professor (t.f. univ. lektor)
 Department of Obstetrics and Gynecology
 University of Gothenburg

1999-2001

Senior consultant (överläkare) Gynecology

	Sahlgrenska University Hospital
1998 (12 months)	Gynecological Oncology Fellow - RANZOG Royal Adelaide Hospital, Australia
1993-1997	Resident doctor in Obstetrics and Gynecology Sahlgrenska University Hospital
1990-1993	Post Doc Fellow Department of Obstetrics and Gynecology University of Adelaide, Australia
1989 (2 months)	Visiting Scientist, University of Calgary, Canada
1987 (6 months)	Visiting Scientist, University of Miami, USA

Education

	Associate professor (docentur)
1989	Docent in Physiology University of Gothenburg
1997	Docent in Obstetrics and Gynecology University of Gothenburg

Academic positions

Chairman, Department of Obstetrics and Gynecology, Institute of Clinical Sciences, University of Gothenburg, 2008-09-01 - ongoing

Professor of Obstetrics and Gynecology, University of Gothenburg, 2003 - ongoing

Professor Obstetrics and Gynecology, Uppsala University 2001-2003

Laboratory chief, Research laboratory of Obstetrics and Gynecology, University of Gothenburg, 2000-2010

Post Doc Fellow, Department of Obstetrics and Gynecology, University of Adelaide, Australia, 1990-1993

Awards

Bob Edwards Price, Indian Association of Embryology, Indore 2014

Czech Transplantation Foundation Annual Award, Prague, 2015

Dexeus International Science Award, Barcelona, 2015

Honorary Professor, Dept. of Obstetrics and Gynecology, Moscow University 2015

9th Joseph E. Murray Visiting Professor in Transplant Surgery
Harvard Medical School, Boston 2015

Honorary Member, International Society of Hand and Composite Tissue Transplantation, 2015

Thesis

Thesis: Mechanisms of ovulation: studies using the in vitro perfused rat ovary,
1988, University of Gothenburg. Main supervisor PO Janson, opponent DT Baird.

Commissions of trust

Member Human Ethics Committee, Sahlgrenska Academy: 1999-07-01 – 2002-04-30

Medical Expert National Patient Claims Panel: 2014 - ongoing

Mats Brännström - SCIENTIFIC PORTFOLIO

Scientific production

Research articles (* = included in PhD thesis)

Research papers

1. Törnell J, **Brännström M**, Hillensjö T. Different effects of cyclic nucleotide derivatives upon the rat oocyte-complex in vitro. *Acta Physiol Scand* 1984;122:507-513
2. Hillensjö T, **Brännström M**, Chari S, Daume E, Magnusson C, Nilsson L, Sjögren A, Törnell J. Oocyte maturation as regulated by follicular factors. *Ann NY Acad Sci* 1985;422:73-79
3. **Brännström M**, Törnell J, Chari S, Hillensjö T. Inhibition of rat oocyte meiosis in vitro: interaction between cAMP derivatives and a human follicular fluid factor. *Exp Clin Endocrinol* 1986;5:69-73
4. **Brännström M**, Johansson BM, Sogn J, Janson PO. Characterization of an in vitro perfused rat ovary model: ovulation rate, oocyte maturation, steroidogenesis and influence of PMSG priming. *Acta Physiol Scand* 1987;130:107-114
5. Sogn JH, Curry Jr TE, **Brännström M**, LeMaire WJ, Koos RD, Papkoff H, Janson PO. Inhibition of follicle-stimulating hormone-induced ovulation by indomethacin in the perfused rat ovary. *Biol Reprod* 1987;36:536-542
6. **Brännström M**, Koos RD, LeMaire WJ, Janson PO. Cyclic adenosine 3',5'-monophosphate-induced ovulation in the perfused rat ovary and its mediation by prostaglandins. *Biol Reprod* 1987;37:1047-1053
7. Schmidt G, Ahrén K, **Brännström M**, Kannisto P, Owman C, Sjöberg NO, Tenenbaum A. Histamine stimulates progesterone synthesis and cyclic adenosine 3',5'-monophosphate accumulation in isolated preovulatory rat follicles. *Neuroendocrinology* 1987;46:69-74
8. **Brännström M**, Woessner Jr JF, Koos RD, Sear CHJ, LeMaire WJ. Inhibitors of mammalian tissue collagenase and metalloproteinases suppress ovulation in the perfused rat ovary. *Endocrinology* 1988;122:1715-1721
9. Morioka N, **Brännström M**, Koos RD, LeMaire WJ. Ovulation in the perfused ovary in vitro: further evidence that estrogen is not required. *Steroids* 1988;51:173-183
10. **Brännström M**, Boberg BM, Törnell J, Janson PO, Ahrén K. Effects of inhibitors of protein synthesis on the ovulatory process of the perfused rat ovary. *J Reprod Fert* 1989;85:451-459
11. **Brännström M**, Hellberg P. Bradykinin potentiates LH-induced follicular rupture in the rat ovary perfused in vitro. *Hum Reprod* 1989;4:475-481
12. **Brännström M**, Janson PO. Progesterone is a mediator in the ovulatory process of the in vitro-perfused rat ovary. *Biol Reprod* 1989;40:1170-1178
13. **Brännström M**, Larson L, Basta B, Hedin L. Regulation of prostaglandin endoperoxide synthase by cyclic adenosine 3', 5' –monophosphate in the in vitro-perfused rat ovary. *Biol Reprod* 1989;41:513-521

14. Löfman CO, **Brännström M**, Holmes PV, Janson PO. Ovulation in the isolated perfused rat ovary as documented by intravital microscopy. *Steroids* 1989;54:481-490
15. Törnell J, **Brännström M**, Magnusson C, Billig H. Effects of follicle stimulating hormone and purines on rat oocyte maturation. *Mol Reprod Develop* 1990;27:254-260
16. Hellberg P, **Brännström M**. A prostacyclin analogue, Iloprost, augments the ovulatory response of the LH-stimulated in vitro perfused rat ovary. *Prostaglandins* 1990;40:361-371
17. Hellberg H, Holmes PV, **Brännström M**, Olofsson J, Janson PO. Inhibitors of lipoxygenase increase the ovulation rate in the in-vitro perfused luteinizing hormone-stimulated rabbit ovary. *Acta Physiol Scand* 1990;138:557-564
18. Hellberg P, Larson L, Olofsson J, Hedin L, **Brännström M**. Stimulatory effects of bradykinin on the ovulatory process in the in vitro-perfused rat ovary. *Biol Reprod* 1991; 44:269-274
19. Larson L, Olofsson J, Hellberg P, **Brännström M**, Selstam G, Hedin L. Regulation of prostaglandin biosynthesis by luteinizing hormone and bradykinin in rat preovulatory follicles in vitro. *Prostaglandins* 1991;41:111-121
20. Hellberg P, Thomsen P, Janson PO, **Brännström M**. Leukocyte supplementation increases the luteinizing hormone-induced ovulation rate in the in vitro-perfused rat ovary. *Biol Reprod* 1991;44:791-797
21. **Brännström M**, Josefsson GB, Liljestrand J. Contraception and sexuality in an area-specific group of Swedish women 15 - 34 years of age. *Contraception* 1991;44:445-452
22. **Brännström M**, Josefsson GB, Cederberg Å, Liljestrand J. Prevalence of genital Chlamydia trachomatis infection among women in a Swedish primary health care area. *Scand J Infect Dis* 1992;24:41-46
23. Wang LJ, **Brännström M**, Robertson SA, Norman RJ. Tumor necrosis factor α in the human ovary: presence in follicular fluid and effects on cell proliferation and prostaglandin production. *Fertil Steril* 1992;58:934-940
24. Clague N, Sevcik M, Stuart G, **Brännström M**, Janson PO, Jarrel JF. The effect of estrous cycle and buthionine sulfoximine on glutathione release from the in vitro perfused rat ovary. *Reprod Toxicol* 1992;6:533-539
25. **Brännström M**, Wang LJ, Norman RJ. Effects of cytokines on prostaglandin production and steroidogenesis of rat preovulatory follicles in vitro. *Biol Reprod* 1993;48:165-171
26. **Brännström M**, Wang LJ, Norman RJ. Ovulatory effect of interleukin-1 β on the perfused rat ovary. *Endocrinology* 1993;132:399-404
27. **Brännström M**, Mayrhofer G, Robertson SA. Localization of leukocyte subsets in the rat ovary during the periovulatory period. *Biol Reprod* 1993;48:277-286
28. Liljestrand J, Josefsson GB, **Brännström M**. Characteristics of young female smokers in a Swedish primary health care area. *Scand J Prim Health Care* 1993;11:157-160
29. **Brännström M**. Inhibitory effect of mifepristone (RU 486) on ovulation in the isolated perfused rat ovary. *Contraception* 1993;48:393-402
30. **Brännström M**, MacLennan AH. Relaxin induces ovulations in the in-vitro perfused rat ovary. *Hum Reprod* 1993;8:1011-1014

31. **Brännström M**, Norman RJ, Seamark RF, Robertson SA. Rat ovary produces cytokines during ovulation. *Biol Reprod* 1994;50:88-94
32. **Brännström M**, Pascoe V, Norman RJ, McClure N. Localization of leukocyte subsets in the follicle wall and in the corpus luteum throughout the human menstrual cycle. *Fertil Steril* 1994;61:488-495
33. **Brännström M**, Giesecke L, Moore IC, van den Heuvel CJ, Robertson SA. Leukocyte subpopulations in the rat corpus luteum during pregnancy and pseudopregnancy. *Biol Reprod* 1994;50:1161-1167
34. Bonello NP, Norman RJ, **Brännström M**. Interleukin-1 β inhibits luteinizing hormone-induced plasminogen activator activity in rat preovulatory follicles in vitro. *Endocrine* 1995;3:49-54
35. Wang LJ, **Brännström M**, Pascoe V, Norman RJ. Cellular composition of primary cultures of human granulosa-lutein cells and the effect of cytokines on cell proliferation. *Reprod Fertil Dev* 1995;7:21-26
36. **Brännström M**, Bonello NP, Wang LJ, Norman RJ. Effects of tumour necrosis factor α (TNF α) on ovulation in the rat ovary. *Reprod Fertil Dev* 1995;7:67-73
37. Tozawa H, **Brännström M**, Petrucco O, Walker S, Chambers H, Pascoe V, Norman RJ. Distribution of leukocyte subtypes in the sheep ovary after laser drilling. *Hum Reprod* 1995;3:544-550
38. **Brännström M**, Bonello NP, Norman RJ, Robertson SA. Reduction of ovulation rate in the rat by administration of a neutrophil-depleting monoclonal antibody. *J Reprod Immunol* 1995;29:265-270
39. **Brännström M**, Flaherty S. Methodology and characterization of an in vitro perfusion model for the mouse ovary. *J Reprod Fert* 1995;105:177-183
40. Hellberg P, Larson L, Olofsson J, **Brännström M**, Hedin L. Regulation of the inducible form of prostaglandin endoperoxide synthase in the perfused rat ovary. *Mol Hum Reprod* 1996;2:111-116
41. Runesson E, Boström E-K, Janson PO, **Brännström M**. The human preovulatory follicle is a source of the chemotactic cytokine interleukin-8. *Mol Hum Reprod* 1996;2:245-250
42. Bonello NP, McKie K, Jasper M, Andrew L, Ross N, Braybon E, **Brännström M**, Norman RJ. Inhibition of nitric oxide: effects on interleukin-1 β -enhanced ovulation rate, steroid hormones, and ovarian leukocyte distribution at ovulation in the rat. *Biol Reprod* 1996;54:436-445
43. Jasper MJ, **Brännström M**, Olofsson JI, Petrucco OM, Mason H, Robertson SA, Norman RJ. Granulocyte-macrophage colony-stimulating factor: presence in human follicular fluid, protein secretion and mRNA expression by ovarian cells. *Mol Hum Reprod* 1996;2:555-562
44. Zackrisson U, Mikuni M, Wallin A, Delbro D, Hedin L, **Brännström M**. Cell-specific localization of nitric oxide synthases (NOS) in the rat ovary during follicular development, ovulation and luteal formation. *Hum Reprod* 1996;11:2667-2673
45. Wang L-J, **Brännström M**, Cui K-H, Simula AP, Hart RP, Maddocks S, Norman RJ. Localisation of mRNA for interleukin-1 receptor and interleukin-1 receptor antagonist in the rat ovary. *J Endocrinol* 1997;152:11-17
46. Ekerhovd E, **Brännström M**, Alexandersson M, Norström A. Evidence for nitric oxide mediation of contractile activity in isolated strips of the human Fallopian tube. *Hum Reprod* 1997;12:301-305

47. Bokström H, **Brännström M**, Alexandersson M, Norström A. Leukocyte subpopulations in the human uterine cervical stroma at early and term pregnancy. *Hum Reprod* 1997;12:586-590
48. Sundfeldt K, Piontkewitz Y, Ivarsson K, Nilsson O, Hellberg P, **Brännström M**, Janson PO, Enerbäck S, Hedin L. E-cadherin expression in human epithelial ovarian cancer and normal ovary. *Int J Cancer* 1997;74:275-280
49. Pall M, Hellberg P, **Brännström M**, Mikuni M, Peterson CM, Sundfeldt K, Nordén B, Hedin L, Enerbäck S. The transcription factor C/EBP β and its role in ovarian function; evidence for direct involvement in the ovulatory process. *EMBO J* 1997;16:5273-5279
50. Van der Hoek KH, Woodhouse CM, **Brännström M**, Norman RJ. Effects of interleukin (IL)-6 on luteinizing hormone- and IL-1 β -induced ovulation and steroidogenesis in the rat ovary. *Biol Reprod* 1998;58:1266-1271
51. Mikuni M, Yoshida M, Hellberg P, Peterson CA, Edwin SS, **Brännström M**, Peterson CM. The lipoxygenase inhibitor, nordihydroguaiaretic acid, inhibits ovulation and reduces leukotriene and prostaglandin levels in the rat ovary. *Biol Reprod* 1998;58:1211-1216
52. Aziz A, Petrucco OM, Makinoda S, Wikholm G, Svendsen P, **Brännström M**, Janson PO. Transarterial embolization of the uterine arteries: patient reactions and effects on uterine vasculature. *Acta Obstet Gynecol Scand* 1998;77:334-340
53. **Brännström M**, Zackrisson U, Hagström H-G, Josefsson B, Hellberg P, Granberg S, Collins WP, Bourne T. Preovulatory changes of blood flow in different regions of the human follicle. *Fertil Steril* 1998;69:435-442
54. Zackrisson U, **Brännström M**, Granberg S, Janson PO, Collins WP, Bourne TH. Acute effects of a transdermal nitric oxide donor on perifollicular and intrauterine blood flow. *Ultrasound Obstet Gynecol* 1998;12:50-55
55. Mikuni M, **Brännström M**, Hellberg P, Peterson CA, Pall M, Edwin SS, Peterson CM. Saralasin-induced inhibition of ovulation in the rat ovary is not replicated by the angiotensin II type-2 receptor antagonist PD123319. *Am J Obstet Gynecol* 1998;179:35-40
56. Ekerhovd E, **Brännström M**, Delbro D, Norström A. Nitric oxide mediated inhibition of contractile activity of the human uterine cervix. *Mol Hum Reprod* 1998;4:915-920
57. Strandell A, Sjögren A, Bentin-Ley U, Thorburn J, Hamberger L, **Brännström M**. Hydrosalpinx fluid does not adversely affect the normal development of human embryos and implantation in vitro. *Hum Reprod* 1998;10:2921-2925
58. Karström-Encrantz L, Runesson E, Boström E-K, **Brännström M**. Selective presence of the chemokine growth-regulated oncogene α (GRO α) in the human follicle and secretion from cultured granulosa-lutein cells at ovulation. *Mol Hum Reprod* 1998;11:1077-1083
59. Mikuni M, Pall M, Peterson CM, Peterson CA, Hellberg P, **Brännström M**, Richards JS, Hedin L. The selective prostaglandin endoperoxide synthase 2 inhibitor, NS 398, reduces prostaglandin production and ovulation in vivo and in vitro in the rat. *Biol Reprod* 1998;59:1077-1083
60. Bokström H, Atterfelt P, Alexandersson M, **Brännström M**, Norström A. Preoperative cervical softening before first trimester legal abortion by mifepristone and misoprostol: a double-blind, randomized, clinical, biochemical and immunohistochemical study. *Contraception* 1998;58:157-163

61. Ivarsson K, Runesson E, Sundfeldt K, Haeger M, Hedin L, Janson PO, **Brännström M**. The chemotactic cytokine interleukin-8 - a cyst fluid marker for malignant epithelial ovarian cancer? *Gynecol Oncol* 1998;71:420-423
62. Sundfeldt K, Ivarsson K, Carlsson M, Enerbäck S, Janson PO, **Brännström M**, Hedin L. The expression of CCAAT/enhancer binding proteins (C/EBP) in the human ovary in vivo: specific increase in C/EBP β during epithelial tumour progression. *Br J Cancer* 1999;79:1240-1248
63. Enskog A, Henriksson M, Unander M, Nilsson L, **Brännström M**. Prospective study of the clinical and laboratory parameters of patients in whom ovarian hyperstimulation syndrome developed during controlled ovarian hyperstimulation for in vitro fertilization. *Fertil Steril* 1999;71:808-814
64. Shinetugs B, Runesson E, Bonello NP, **Brännström M**, Norman RJ. Colony stimulating factor -1 concentrations in blood and follicular fluid during the human menstrual cycle and ovarian stimulation: possible role in the ovulatory process. *Hum Reprod* 1999;14:1302-1306
65. **Brännström M**, Fridén BE, Jasper M, Norman RJ. Variations in peripheral blood levels of immunoreactive tumor necrosis factor α (TNF α) throughout the menstrual cycle and secretion of TNF α from the human corpus luteum. *Eur J Obstet Gynecol Reprod Med* 1999;83:213-217
66. Ekerhovd E, Weijdegård B, **Brännström M**, Norström A. Nitric oxide-mediated effects on myometrial contractility at term during prelabor and labor. *Obstet Gynecol* 1999;93:987-994
67. Fridén BE, Hagström H-G, Lindblom B, Sjöblom P, Wallin A, **Brännström M**, Hahlin M. Cell characteristics and functions of two enriched fractions of human luteal cells during prolonged culture. *Mol Hum Reprod* 1999;5:714-719
68. Mitsube K, Mikuni M, Matousek M, **Brännström M**. Effects of a nitric oxide donor and nitric oxide synthase inhibitors on luteinizing hormone-induced ovulation in the ex-vivo perfused rat ovary. *Hum Reprod* 1999;14:2537-2543
69. Ekerhovd E, **Brännström M**, B Weijdegård, Norström A. Localization of nitric oxide synthase and effects of nitric oxide donors on the human Fallopian tube. *Mol Hum Reprod* 1999;5:1040-1047
70. Matousek M, Mikuni M, Mitsube K, Yoshida M, **Brännström M**. Inhibition of ovulation by tyrosine kinase inhibitors in the in vitro perfused rat ovary. *J Reprod Fert* 1999;117:379-385
71. Zackrisson U, Mikuni M, Peterson CM, Nilsson B, Janson P-O, **Brännström M**. Evidence for the involvement of blood flow-related mechanisms in the ovulatory process of the rat. *Hum Reprod* 2000;15:264-272
72. Fridén BE, Wallin A, **Brännström M**. Phase-dependent influence of nonsteroidogenic cells on steroidogenesis and prostaglandin production by the human corpus luteum. *Fertil Steril* 2000;73:359-365
73. Enskog A, Nilsson L, **Brännström M**. Peripheral blood concentrations of inhibin B are elevated during gonadotropin stimulation in patients who later develop OHSS and inhibin A concentrations are elevated after OHSS onset. *Hum Reprod* 2000;15:532-538
74. Jasper MJ, Robertson SA, Van der Hoek KH, Bonello N, **Brännström M**, Norman RJ. Characterisation of ovarian function in granulocyte-macrophage colony-stimulating factor-deficient mice. *Biol Reprod* 2000;62:704-713
75. Fridén BE, Runesson E, Hahlin M, **Brännström M**. Evidence for nitric oxide as a luteolytic factor in the human corpus luteum. *Mol Hum Reprod* 2000;6:397-403

76. Ivarsson K, Ekerydh A, Fyhr I-M, Janson PO, **Brännström M**. Upregulation of interleukin-8 and polarized epithelial expression of interleukin-8 receptor A in ovarian carcinomas. *Acta Obstet Gynecol Scand* 2000;79:777-784
77. Ekerhovd E, **Brännström M**, Weijdegård B, Norström A. Nitric oxide synthases in the human cervix at term pregnancy and effects of nitric oxide on cervical smooth muscle contractility. *Am J Obstet Gynecol* 2000;183:610-616
78. Pall M, Mikuni M, Mitsube K, **Brännström M**. Time-dependent ovulation inhibition of a selective progesterone-receptor antagonist (ORG 31710) and effects on ovulatory mediators in the in vitro perfused rat ovary. *Biol Reprod* 2000;63:1652-1657
79. Runesson E, Ivarsson K, Janson PO, **Brännström M**. Gonadotropin- and cytokine-regulated expression of the chemokine interleukin-8 in the human preovulatory follicle of the menstrual cycle. *J Clin Endocrinol Metab* 2000;85:4387-4395
80. Hegele-Hartung C, Grützner M, Lessl M, Grondahl C, Ottesen JL, **Brännström M**. Activation of meiotic maturation in rat oocytes after treatment with follicular fluid meiosis-activating sterol in vitro and ex vivo. *Biol Reprod* 2001;64:418-424
81. Enskog A, Nilsson L, **Brännström M**. Low peripheral blood levels of the immunosuppressive cytokine interleukin-10 (IL-10) at the start of gonadotropin stimulation indicates increased risk for development of ovarian hyperstimulation syndrome (OHSS). *J Reprod Immunol* 2001;49:71-85
82. Komar CM, Matousek M, Mitsube K, Mikuni M, **Brännström M**, Curry TE. Effects of genistein on the periovulatory expression of messenger ribonucleic acid for matrix metalloproteinases and tissue inhibitors of metalloproteinases in the rat ovary. *Reproduction* 2001;121:259-265
83. Ivarsson K, Sundfeldt K, **Brännström M**, Hellberg P, Janson PO. Diverse effects of FSH and LH on proliferation of human ovarian surface epithelial cells. *Hum Reprod* 2001;16:18-23
84. **Brännström M**, Jones I, Lew W, Davy M. Ovarian lipoleiomyoma - a rare benign tumor with pre-and intra-operative features suggestive of malignancy. *Acta Obstet Gynecol Scand* 2001;80:866-868
85. Matousek M, Carati C, Gannon B, **Brännström M**. Novel method for intrafollicular pressure measurements in the rat ovary: increased intrafollicular pressure after hCG stimulation. *Reproduction* 2001;121:307-314
86. Matousek M, Mitsube K, Mikuni M, **Brännström M**. Inhibition of ovulation in the rat by a leukotriene B4 receptor antagonist. *Mol Hum Reprod* 2001;7:35-42
87. Sundfeldt K, Ivarsson K, Rask K, Haeger M, Hedin L, **Brännström M**. Higher levels of soluble E-cadherin in cyst fluid from malignant ovarian tumours than in benign cysts. *Anticancer Res* 2001;21:65-70
88. Enskog A, Nilsson L, **Brännström M**. Plasma levels of free vascular endothelial growth factor 165 (VEGF 165) during gonadotropin stimulation in in vitro fertilization (IVF) patients developing ovarian hyperstimulation syndrome (OHSS): results of a prospective cohort study. *Eur J Obstet Gynecol Reprod Biol* 2001;96:196-201
89. Ekerhovd E, Enskog A, Nilsson L, Klintlund N, Caidahl K, **Brännström M**, Norström A. Plasma concentrations of nitrate during the menstrual cycle, ovarian stimulation and ovarian hyperstimulation syndrome (OHSS). *Hum Reprod* 2001;16:1334-1339

90. Ivarsson K, Sundfeldt K, **Brännström M**, Janson PO. Production of steroids by human ovarian surface epithelial cells in culture: possible role of progesterone as growth inhibitor. *Gynecol Oncol* 2001;82:116-121
91. Pall M, Fridén B, **Brännström M**. Induction of delayed follicular rupture in the human by the selective COX-2 inhibitor rofecoxib: a randomized double-blind study. *Hum Reprod* 2001;16:1323-1328
92. Matousek M, Carati C, Gannon B, Mitsube K, **Brännström M**. Changes in intrafollicular pressure in the rat ovary by nitric oxide and by alteration of systemic pressure. *Eur J Obstet Gynecol Reprod Biol* 2001;98:46-52
93. Ekerhovd E, Weijdegård B, **Brännström M**, Mattsby-Baltzer I, Norström. A Nitric oxide induced cervical ripening in the human: involvement of cyclic guanosine monophosphate, prostaglandin F₂ α and prostaglandin E₂. *Am J Obstet Gynecol* 2002;186:745-750
94. Mitsube K, Zackrisson U, **Brännström M**. Nitric oxide regulates ovarian blood flow in the rat during the periovulatory period. *Hum Reprod* 2002;17:2509-2516
95. Racho El-Akouri R, Kurlberg G, Dindelegan G, Mölne J, Wallin A, **Brännström M**. Heterotopic uterine transplantation by vascular anastomosis in the mouse. *J Endocrinol* 2002;174:157-166
96. Löfman C, Zackrisson U, Mikuni M, Block M, Janson PO, **Brännström M**. A method for longitudinal microscopic in vivo examination of morphology, vascularity and motility in the ovary and oviduct of the rat. *J Soc Gynec Invest* 2002;9:379-385
97. Mitsube K, Mikuni M, Matousek M, Zackrisson U, **Brännström M**. Role of the angiotensin II system in regulation of ovulation and blood flow in the rat ovary. *Reproduction* 2003;125:425-435
98. Rask K, Nilsson A, **Brännström M**, Carlsson P, Hellberg P, Janson PO, Hedin L, Sundfeldt K. Wnt-signalling pathway in ovarian epithelial tumours: increased expression of β -catenin and GSK3 β . *Br J Cancer* 2003;89:1298-1304
99. Racho El-Akouri R, Wranning CA, Mölne J, Kurlberg G, **Brännström M**. Pregnancy in transplanted mouse uterus after long-term cold ischaemic preservation. *Hum Reprod*. 2003;18:2024-2030
100. Racho El-Akouri R, Kurlberg G, **Brännström M**. Successful uterine transplantation in the mouse: pregnancy and postnatal development of offspring. *Hum Reprod*. 2003;18:2018-2023
101. Zhu Y, Maric J, Nilsson M, **Brännström M**, Janson PO, Sundfeldt K. Formation and barrier function of tight junctions in human ovarian surface epithelium. *Biol Reprod*. 2004;71:53-59
102. Aziz A, **Brännström M**, Bergquist C, Silfverstolpe G. Perimenopausal androgen decline after oophorectomy does not influence sexuality or psychological well-being. *Fertil Steril* 2005;83:1021-1028
103. Aziz A, Bergquist C, **Brännström M**, Nordholm L, Silfverstolpe G. Differences in aspects of personality and sexuality between perimenopausal women making different choices regarding prophylactic oophorectomy at elective hysterectomy. *Acta Obstet Gynecol Scand* 2005;84:854-859
104. Wranning CA, Mölne J, Racho El-Akouri R, Kurlberg G, **Brännström M**. Short-term ischaemic storage of human uterine myometrium – basic studies towards uterine transplantation. *Human Reprod* 2005;20:2736-2744

105. Dahm-Kähler P, Löfman C, Fujii R, Axelsson M, Janson PO, **Brännström M**. An intravital microscopy method permitting continuous long-term observations of ovulation in vivo in the rabbit. *Human Reprod* 2006; 21:624-631
106. Zhu Y, **Brännström M**, Janson PO, Sundfeldt K. Differences in expression patterns of the tight junction proteins claudin 1, 3, 4, and 5 in human ovarian surface epithelium as compared to epithelia in inclusion cysts and ovarian tumours. *Int J Cancer* 2006;118:1884-1891
107. Racho El-Akouri R, Groth K, Kurlberg G, Mölne J, **Brännström M**. Rejection patterns in allogeneic uterus transplantation in the mouse. *Hum Reprod* 2006;21:436-442
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46. **Brännström M**, Milenkovic M. Whole ovary cryopreservation with vascular transplantation – a future development in female oncofertility. *MEF Society Journal* 2010;15:124-138
47. Shao R, Zhang SX, Weijdegård B, Zou S, Egecioglu E, Norström A, **Brännström M**, Billig H. Nitric oxide synthases and tubal ectopic pregnancies induced by Chlamydia infection: basic and clinical insights. *Mol Hum Reprod* 2010;16:907-915
48. **Brännström M**, Diaz-Garcia C. Transplantation of female genital organs. *J Obstet Gynaecol Res* 2011;37:271-291
49. Hanafy H, Diaz-Garcia C, Olausson M, **Brännström M**. Uterine transplantation: one human case followed by a decade of experimental research in animal models. *Aust N Z J Obstet Gynaecol* 2011;51:199-203
50. Diaz-Garcia C, Johannesson L, Enskog A, Tzakis A, Olausson M, **Brännström M**. Uterus transplantation research: laboratory protocols for clinical application. *Mol Hum Reprod* 2012;18:68-78
51. Shao R, Zou S, Wang X, Feng Y, **Brännström M**, Stener-Victorin E, Billig H. Revealing the hidden mechanisms of smoke-induced Fallopian tubal implantation. *Biol Reprod* 2012;86:131
52. **Brännström M**, Diaz-Garcia C, Olausson M, Tzakis A. Uterus transplantation: animal research and human possibilities. *Fertil Steril* 2012;97:169-1276
53. Shao R, Feng Y, Zou S, Weijdegård B, Wu G, **Brännström M**, Billig H. The role of estrogen in the pathophysiology of tubal ectopic pregnancy. *Am J Transl Res* 2012;4:269-278
54. Shao R, Weng X, Wang W, Stener-Victorin E, Mallard C, **Brännström M**, Billig H. From mice to women and back again: causalities and clues for chlamydia-induced tubal ectopic pregnancy. *Fertile Steril* 2012;98:1175-1185
55. Milenkovic M, Diaz-Garcia C, **Brännström M**. Review on ovarian cryopreservation and in large experimental animals and non-human primates. In *Current Frontiers in Cryopreservation* (ed. Katkov II) InTech, Rijeka, Croatia 2012: pp 187-204
56. Del Priore G, Saso S, Meslin EM, Tzakis A, **Brännström M**, Clarke A, Vianna A, Sawyer R, Smith JR. Uterine transplantation – a real possibility? The Indianapolis consensus. *Hum Reprod* 2013;28:288-291
57. **Brännström M**. Uterus transplantation: *Fertil Steril* 2013;99:348-349
58. Dancet EA, **Brännström M**, Brasky K, Chai D et al. The role of scientists and clinicians in raising public support for animal research in reproductive biology and medicine. *Biol Reprod* 2013;88:33

59. Diaz-Garcia C, **Brännström M**. Uterus transplantation: potential patients, fertility and ethics. *J Reprod Med Endocrinol* 2013;9:1-10
60. Johannesson L, Enskog A, Kvarnström N, **Brännström M**. Uterus transplantation: non-human primate research and human cases. *J E Fert Soc* 2013; 12:12-24
61. Olausson M, Johannesson L, Brattgård D, Diaz-Garcia C, Lundmark, C, Groth K, Marcickiewicz J, Enskog A, Akouri R, Tzakis A, Rogiers X, Janson PO, **Brännström M**. Ethics of uterus transplantation with live donors. *Fertil Steril* 2014;102:40-3
62. Johannesson L, Dahm-Kähler P, Eklind S, **Brännström M**. The future of human uterus transplantation. *Womens Health (Lond. Engl.)* 2014; 10:456-467
63. **Brännström M**. The Swedish uterus transplantation project; the story behind the project. *Acta Obstet Gynecol Scand* 2015;94:675-679
64. Diaz-Garcia C, **Brännström M**, Aguilar A. Uterus transplantation: a summary of the experience of the Swedish program. *Med Gynecol Endo* 2015;17160-168
65. **Brännström M**. Uterus transplantation. *Curr Opin Organ Transplant* 2015; 20:621-628
66. Dahm-Kähler P, Diaz-Garcia C, **Brännström M**. Human uterus transplantation in focus. *Br Med Bull* 2016;117:69-78
67. **Brännström M**, Dahm-Kähler P, Diaz-Garcia C. Uterine transplantation is not a good use of limited resources: AGAINST: It is a highly effective infertility treatment. *BJOG* 2016;123:1440
68. Rao K, Dahm-Kähler P, **Brännström M**. Uterus transplantation: an update and preparations for introduction in India. *Int J Infert Fetal Med* 2016; in press

Textbook chapters in Swedish

1. **Brännström M**. Vulvar- and vaginal-cancer. In *Gynekologi* (eds. Janson PO, Landgren BM), Studentlitteratur, Lund, Sweden. pp. 145-254
2. **Brännström M**. Trophoblastic disease. In *Gynekologi* (eds. Janson PO, Landgren BM), Studentlitteratur, Lund, Sweden. pp. 267-270
3. **Brännström M**. Myoma. In *Gynekologi* (eds. Janson PO, Landgren BM), Studentlitteratur, Lund, Sweden. pp. 271-276

Congress abstracts

More than 200 abstracts, presented at scientific meetings as poster/oral communication mostly by PhD students and with MB as senior author.

Invited speaker to international meetings in the past 20 years

1995

- International Congress on The Ovary: Regulation, Dysfunction and Treatment, Marco Island, Florida, USA

1996

- 4th European Congress on Prostaglandins and Other Locally Active Factors in Reproduction, Stockholm, Sweden

- Ninth Simpson Symposium Reproductive Medicine, Edinburgh, UK

- British Fertility Society's Winter Workshop Molecular Biology and Human Reproduction, Dundee, UK

1997

- European Society for Human Reproduction and Embryology (ESHRE), Edinburgh, UK

- Congress on Physiopathology of Human Reproductive System, Rome, Italy

1998

- International Congress Ovulation Induction and Menopause 98, Antalya, Turkey
- IVth Sapporo International Symposium on Ovarian Function, Sapporo, Japan

1999

- International Symposium on Ovulation: Evolving Scientific and Clinical Concepts, Salt Lake City, USA

2000

- International Congress of Endocrinology, Sydney, Australia
- 3rd World Congress of Ovulation Induction, Bologna, Italy

2001

- Symposium Immune Deviation and Reproductive Function, Lorne, Australia
- 53rd Annual Congress of the Japan Society of OB&GYN, Sapporo, Japan

2002

- Annual Ferring International Symposium on Fertility, Kolding, Denmark
- Sapporo International Symposium on Ovarian Function, Sapporo, Japan
- 17th Congress Nordic Federation of Societies of OB &GYN, Umeå, Sweden

2003

- 2nd Meeting of Scandinavian Gynecologist, Stockholm, Sweden

2004

- Congress Nordic Federation of Societies of OB &GYN, Helsinki, Finland
- 2nd World Congress of World Association of Reprod. Medicine, Rome, Italy
- International Congress on Ovarian Function, Tokyo, Japan
- Cold Spring Harbour Mouse Embryology Symp., Cold Spring Harbour, USA
- 7th Int. Congress on ECM of the Female Reproductive Tract, Edinburgh, UK

2005

- 57th Annual Congress of the Japan Society of OB&GYN, Kyoto, Japan
- Int. Symp. on New Developments in Reproductive Medicine, Valencia, Spain

2006

- The Uterus in ART, Antalya, Turkey
- 58th Annual Congress of the Japan Society of OB&GYN, Yokohama, Japan
- 8th Int. Congress of ECM of the Female Reproductive Tract. Maui, USA

2007

- International Symposium on Cancer & Reproduction, Valencia, Spain
- Oocyte, Ovary and Transplantation: Fertility Preservation, Boston, USA
- Annual Meeting of the Middle East Fertility Society, Susesi, Turkey
- 7th Int. Symp. on Composite Tissue Allotransplantation, Innsbruck, Austria

2008

- Asia Pacific Initiative on Reproductive Medicine (ASPIRE), Singapore
- 6th national Gynecology and Obstetrics Congress, Antalya, Turkey
- Annual Meeting of the Middle East Fertility Society, Hamamet, Tunisia
- ESHRE Symposium on Cancer and Fertility, Heidelberg, Germany
- 3rd Nordic Transplant Fellow Workshop, Göteborg, Sweden

2009

- Annual Meeting of Society of Gynecologic Oncologists, San Antonio, USA
- Transplantation. Soc.– Key Opinion Leaders Meeting, Göteborg, Sweden

2010

- Congress Nordic Federation of Soc. of OB&GYN, Copenhagen, Denmark
- 2nd European Symposium on Robotic Surgery in Gynecology, Lund, Sweden
- Diczfalussy Symposium on Reproductive Health, Stockholm, Sweden
- Annual Congress of Danish Society for OB&GYN, Kolding, Denmark
- Annual Meeting of Middle East Fertility Society, Damascus, Syria

2011

- RCOG/ESHRE Symp. Reproductive Surgery in the 21st Century and Beyond; London, UK

- 2nd Int. Congress of Controversies in Preservation of Stem cells, Reproductive Cells, Tissues and Organs (CRYO) 2011, Valencia, Spain
- 3rd Sahlgrenska Meeting on Gynecology and Reproductive Medicine, Göteborg, Sweden
- Reproductive Function and Dysfunction, Edinburgh, UK
- Nature Medicine Invited Meeting on Reprod. Biology, Munich, Germany
- 2nd World Congress of Reproductive Biology, Cairns, Australia
- Annual Meeting of ANZ Society for Reproductive Biology, Cairns, Australia
- Seminar-series, Centre for Reproductive Medicine and Andrology, Muenster, Germany

2012

- Seminar-series, The Water and Salt Research Centre, Aarhus, Denmark
- GRECOT, Paris, France
- Ferring Symp. on Advances in AMP, Paris, France
- Reproductive Health 2012, Swedish Midwife Society, Gothenburg, Sweden
- Federation of European Physiological Societies, Santiago de Compostela, Spain
- Austrian Society of Obstetrics and Gynecology, Vienna, Austria
- 17th World Congress on Controversies in OB&GYN and Infertility, Lissabon, Portugal
- Int. Symp. of Womb Transplant UK
- Annual Meeting of Egypt Fertility Society, Cairo, Egypt

2013

- Extreme Infertility Symposium, Istanbul, Turkey
- Fertility 360°, Athens, Greece
- Annual Meeting of Israeli Fertility Association (IFA), Tel Aviv, Israel
- 11th Meeting of Int. Hand and Composite Tissue Allotranspl. Society, Wroclaw, Poland
- 17th World IVF Congress, Tunis, Tunisia
- 3rd World Congress of International Society for Fertility Preservation, Valencia, Spain
- 59th Annual Meeting of Canadian Fertility and Andrology Society, Victoria, Canada
-

2014

- British Fertility Society Annual Meeting, Sheffield, UK
- Eurotransplant 2014, Wintermeeting, Alpbach, Austria
- GynDolomiti, Alta Bada, Italy
- 19th World Congress on Controversies in OB&GYN and Infertility, Macau, China
- 5th Congress of Asia Pacific Initiative on Reproduction (ASPIRE), Brisbane, Australia
- 23rd European Congress of Obstetrics and Gynecology (EBCOG), Glasgow, UK
- 39th Nordic Congress of Obstetrics and Gynecology (NFOG), Stockholm, Sweden
- Journee du Centre de reference des pathologies gynecologies rare, Paris, France
- 30th Annual Meeting of ESHRE, Munich, Germany
- Academy of Clinical Embryology (ACE India), Indore, India
- 6th Nordic Congress of Lymphology, Stockholm, Sweden
- German Meeting of Gyne-Oncologist, Dusseldorf, Germany
- 24th World Congress of Ultrasound in Obstetrics and Gynaecology, Barcelona, Spain,
- 23rd Annual Congress of European Society for Gyne Endoscopy, Brussels, Belgium
- 2nd Controversies in Reproductive Medicine, Obstetrics and Gynecology, Valencia Spain
- 1st Conference of Recent advancements in Gynecology and Reproductive Medicine, Jeddah; Saudi Arabia
- American Association of Gyne Laparoscopy, Vancouver, Canada
- Annual Meeting of American Society for Reproductive Medicine, Honolulu, USA
- LIFE 2014, Bangalore, India
- Scandinavian IVF Meeting, Stockholm, Sweden
- 20th World Congress on Controversies in OB&GYN and Infertility, Paris, France

2015

- Eurotransplant 2015, Wintermeeting, Alpbach, Austria
- IX Congress on Reproductive Medicine, Moscow
- Cancer in Young Women, Leuven, Belgium
- Dexeus Scientific Meeting 2015, Barcelona, Spain
- Int. Symposium on Fertility Preservation, Manipal, India
- Finnish Society of Obstetrics and Gynecology, Helsinki, Finland
- 12th Meeting of Int. Hand and Composite Tissue Allotranspl. Society, Philadelphia, USA
- 6th Int. Congress of Jordan Society for Fertility and Genetics, Amman, Jordan
- 6th international IVI Congress. Alicante, Spain
- International Fertility Federation Society Meeting, Yokohama, Japan
- 2015 Annual Meeting of American Society of Transplantation, Philadelphia, USA
- Symposium on Human Uterus Transplantation, London, UK
- 14th World Congress in Fetal Medicine, Heraklion, Greece
- Annual Meeting of Hellenic Society of Reproductive Medicine, Athens, Greece
- Ferticon 2015, Chennai, India

- Annual Conference of Society for Reproduction and Fertility, Oxford, UK
- Nordic Fertility Society, Reykavik, Iceland
- International Symp. Transplante Uterino, Guadalajara, Mexico
- 29th AICC-RCOG National conference, Calcutta, India
- 17th Congress of the European Society for Organ Transplantation, Brussels, Belgium
- Advances in Reproductive Medicine, Ragusa, Italy
- European Society of Paediatric Endocrinology, Barcelona, Spain
- European Society of Gynecological Endoscopy, Budapest, Hungary
- 4th World Congress of International Society for Fertility Preservation, Shanghai, China
- 8th International Charite-Mayo Conference, Berlin, Germany
- 2015 Philippine OB GYN Society Annual Congress, Manila, Philippines
- German Society of Reproductive Medicine and Biology, Hamburg, Germany

2016

- Baden-Wurtemberg, 14th Gynecology Meeting, Stuttgart, Germany
- Uterine Infertility, Lisboa, Portugal
- World Congress of Gynecological Endocrinology, Florens
- ALMER Workshop on Uterus Transplantation, Buenos Aires
- 25th Congress of Saudi Ob+GYN, Dammam, Saudi Arabia
- Uterus Transplantation Meeting, Beirut, Lebanon
- 2nd World Congress of Society of Endometriosis and Uterine Disorders, Barcelona, Spain
- , Maratea, Italy
- RCOG International Conference, Birmingham, UK
- Annual Meeting of Mexican Society of Obstetricians and Gynecologist

1 Scientific collaboration and external research grants

• External research grants received

- **In international or national competition as *project leader* in the past five years.**
- Swedish Research Council
 - The ovary and the uterus: from basic research to clinical studies (K2007-54X-11607-12-3). 2007-2009 (total amount 1 050 000 SEK)
 - Treatment of infertility: research on ovulation, uterus transplantation and ovarian cryopreservation (K2010-65X-11607-15-3). 2010-2012 (total amount 1 200 000 SEK)
 - The ovary and infertility: ovulation and ovarian fertility preservation (K2013-54X-11608-18-3) 2013-2015 (total amount 2 100 000 SEK)
- ALF – University of Gothenburg
 - The ovary and the uterus: from basic research to the clinic. 2008-2010 (total amount 4 656 000 SEK)
 - Female reproductive health: translational and clinical research. 2011-2014 (total amount 7 340 000 SEK)
 - Female reproductive and gynaecological health: translational and clinical research: 2015-2017 (total amount 5 200 000 SEK)
- Western Region Research Grant
 - Prognostic factors and clinical outcome in vulvar cancer. 2009-2010 (total amount 154 000 SEK)
- Jane and Dan Olsson Foundation for Research
 - Development of methodology for treatment of uterine factor infertility. 2010-2012 (total amount 5 000 000 SEK)
 - Clinical application of uterus transplantation. 2013-2014 (total amount 2 500 000 SEK)
- Hjalmar Svensson Foundation
 - Studies on ovulation. 2009-2013 (total amount 500 000 SEK)

- **In international or national competition as *joint applicant* in the past five years.**

NIH-The MMP system in human ovulation: localization, regulation, and function. (Prime award no. RO1HD05744 – PI TE Curry; Subaward no. 3048106578-11-345 Mats Brännström), 2010-2014 (total subaward amount 175 000 USD)

- **National and international collaborative projects.**

- Uterus transplantation
 - Cleveland Clinic, USA; Professor A. Tzakis
 - University of Valencia, USA; Dr. Diaz-Garcia
 - Griffith University, Australia; Dr. Ash Hanafy
 - Institute of Primate Research, Kenya; Dr J Mwenda
 - Columbia University, USA; Professor A. Advincula
- Ovulation
 - Kentucky University, USA; Professor TE Curry
 - Hokkaido University, Japan; Drs K Mitsube, M Mikuni
 - University of Adelaide, Australia; Dr. R Rodgers
- Ovarian cryopreservation
 - Yale University, USA; Professor P Patrizio
 - Karolinska Institute, Sweden; Dr K Rodriguez-Wahlberg

2 Supervision of doctoral candidates/postgraduate education

- **Current supervision of PhD candidates – chief supervisor (huvudhandledare)**

- Dr Asgeir Thoroddsen, ½-time seminar June 2012. Planned dissertation 2013
- Dr Cornelia Bergdahl, registered 2009. Planned dissertation 2014
- Dr Farnosh Zakerkish, registered 2010. Planned dissertation 2015
- Dr Ahmed B Alshaijkh, registered, 2014

- **Supervision of completed PhDs – chief supervisor (huvudhandledare)**

1. Ulf Zackrisson, PhD 1997
Thesis: "INTRA OVARIAN EVENTS OF OVULATION Vascular mechanisms and morphological alterations in the rat and the human".
Opponent Professor RD Koos, Univ. of Maryland, USA
2. Masato Mikuni, PhD 1999
Thesis: "OVULATION. Studies on intraovarian mechanisms in the ovulatory process of the rat ovary".
Opponent Professor EY Adashi, Univ. of Utah, USA
3. Barbro Fridén, PhD 1999
Thesis: "HUMAN CORPUS LUTEUM. Cyclic changes with special reference to luteolysis".
Opponent Professor RF Stouffer, Oregon Primate Centre, USA
4. Eva Runesson, PhD 2000

Thesis: "CHEMOTACTIC FACTORS IN THE HUMAN FOLLICLE AT OVULATION".

Opponent Professor A Arici, Yale Univ., USA

5. Karin Ivarsson, PhD 2000
Thesis: "HUMAN OVARIAN SURFACE EPITHELIUM AND OVARIAN CANCER Aspects of growth regulation".
Opponent Professor B Vanderhyden, Univ. of Ottawa, Canada
6. Anders Enskog, PhD 2000.
Thesis: "OVARIAN HYPERSTIMULATION SYNDROME (OHSS). Aspects on immune and endocrine mechanisms".
Opponent Professor CS Simon, Univ. of Valencia, Spain
7. Marita Pall, PhD 2000
Thesis "INTRAOVARIAN MEDIATORS IN THE OVULATORY PROCESS. Studies in the rat and the human".
Opponent Professor GP Erickson, UCSD, USA
8. Markus Matousek, PhD 2001
Thesis: "INTRAFOLLICULAR PRESSURE AND BIOCHEMICAL MEDIATORS IN OVULATION"
Opponent Professor LL Espey, Trinity College, USA
9. Ken Mitsube, PhD 2003
Thesis "VASCULAR MECHANISMS IN OVULATION"
Opponent Professor J Findlay, Prince Henry's Institute, Australia
10. Randa Racho El-Akouri, PhD 2003
Thesis: "UTERUSTRANSPLANTATION: An experimental study in the mouse"
Opponent Assoc professor K Gemzell-Danielsson, Karolinska, Sweden
11. Pernilla Dahm-Kähler, PhD 2006
Thesis: "THE OVULATORY PROCESS: Studies in the human and the rabbit"
Opponent Professor J McCracken, Univ. of Connecticut, USA
12. Anna Karin Lind, PhD 2006
Thesis: "HUMAN OVULATION: Studies on collagens, gelatinases and tissue inhibitors of metalloproteinases"
Opponent Professor TE Curry, Univ. of Kentucky, USA
13. Caiza A Wranning, PhD 2007
Thesis: "SURGERY AND ISCHEMIA IN UTERUS TRANSPLANTATION: Studies in various experimental animals."
Opponent Professor RD Koos, University of Maryland, USA

14. Klaus Groth, PhD 2009
Thesis: "REJECTION AND IMMUNOSUPPRESSION AT UTERUS TRANSPLANTATION: an experimental study in rodents."
Opponent Professor M Aboulghar, Univ. of Cairo, Egypt
15. Milan Milenkovic, PhD 2011
Thesis: "EXPERIMENTAL STUDIES ON OVARIAN CRYOPRESERVATION AND TRANSPLANTATION."
Opponent Professor P Pasquale, Yale University, USA
16. Johanna Schmidt, PhD 2011
Thesis: "POLYCYSTIC OVARY SYNDROME: ovarian pathophysiology and consequences after the menopause."
Opponent Professor Juha Tapanainen, Oulu University, Finland
Received the Award for the Best thesis at the Sahlgrenska Academy, 2011
17. Liza Johannesson, PhD 2012
Thesis: "UTERUS TRANSPLANTATION IN PRIMATES: an experimental study"
Opponent Professor Giuseppe DelPriore, University of Indiana, USA
Received the Award for the Best thesis at the Sahlgrenska Academy, 2012
18. Cecilia Kärrberg, PhD 2012
Thesis: "CERVICAL DYSPLASIA AND CERVICAL CANCER IN PREGNANCY: diagnosis and outcome"
Opponent Professor Sonia Andersson, Karolinska Institute, Sweden
19. Shamima Akhi, PhD 2012
Thesis: "UTERUS TRANSPLANTATION: an experimental study in the rat model"
Opponent Assoc. Professor Christer Borgfeldt, Lund University, Sweden
Received the Award for the Best thesis at, Institute of Clinical Sciences, Sahlgrenska Academy, 2012
20. Cesar Diaz-Garcia, PhD 2015
Thesis: "UTERUS TRANSPLANTATION AND FERTILITY"
Opponent Professor Jacques Donnez, Universite Louvain, Belgium

- **Supervision of completed PhDs – assistant supervisor (bitr. handledare)**

1. Pär Hellberg, PhD 1990
Thesis: "OVULATION AS AN INFLAMMATION LIKE REACTION. Studies in the rat, rabbit and human".
Opponent Professor N Dekel, Weizman Institute, Israel

2. Karin Sundfeldt, PhD 1999
Thesis: "REGULATION OF CELL-CELL ADHESION AND TRANSCRIPTION IN THE OVARY: Implications for tumorigenesis."
Opponent Professor JS Richards, Baylor College, USA
 3. Erling Ekerhovd, PhD 1999
Thesis: "FUNCTIONS OF NITRIC OXIDE IN THE HUMAN FEMALE REPRODUCTIVE TRACT".
Opponent Professor B Lindblom, Uppsala University, Sweden
 4. Adel Aziz, PhD 2004
Thesis: "PROPHYLACTIC OOPHORECTOMY AT ELECTIVE HYSTERECTOMY
Effects on sexuality and psychological well-being".
Opponent Associate professor G Berg, Univ. of Linköping, Sweden
 5. Yihong Zhu, PhD 2007
Thesis: "TIGHT JUNCTION IN OVARIAN SURFACE EPITHELIUM AND EPITHELIAL OVARIAN TUMORS".
Opponent Professor SG Hillier, University of Edinburgh, UK
 6. Margaretha Åkesson, PhD 2008
Thesis: "CLINICAL OUTCOME AND PROGNOSTIC FACTORS IN BORDERLINE OVARIAN TUMORS AND INVASIVE OVARIAN CANCER IN WESTERN SWEDEN".
Opponent Assoc professor Elisabeth Åvall Lundqvist, Karolinska, Sweden
- **Supervision of postdocs**
 - C. Matthew Petersen 1996 (12 months)
 - Randa Akouri 2004 (12 months)
 - Caiza Wranning 2007-2009 (30 months)
 - Mats Hellström 2011 – ongoing
 - **Lecturer of postgraduate courses**
 - Lecturer at *Comparative Reproductive Physiology*, SLU, Uppsala 1995
 - Lecturer at *Physiology and pathology of the mammalian ovary*, SLU, Uppsala 2000
 - Lecturer at *Intercurrent diseases in pregnancy*, University of Gothenburg 2002
 - Lecturer 7 times at *Gynecologic-oncology surgery*, University of Gothenburg 2000-2004, 2010-ongoing
 - Lecturer 11 times at *Basic gynaecological surgery*, University of Gothenburg, 2004 - ongoing
 - Lecturer 3 times at *Clinical achievements in reproductive medicine*, Karolinska Institute 2009-2011
 - Lecture 2 time at *Electives in Reproductive Health*, University of Gothenburg

Planner and main organizer of postgraduate courses

- *Gynecologic-oncology surgery*, University of Gothenburg 2000-2004, 2013
- *Basic gynaecological surgery*, University of Gothenburg, 2004-2011
- *1st Sahlgrenska Symposium on Gynecology and Reproductive medicine*, University of Gothenburg, 2007
- *1st International Meeting on Uterus Transplantation*, University of Gothenburg, 2007
- *2nd Sahlgrenska Symposium on Gynecology and Reproductive medicine*, University of Gothenburg, 2009
- *Annual Meeting of Swedish Obstetricians and Gynecologists (SFOG), 2015, Varberg; chairman of scientific committee.*

- **Development work within postgraduate studies.**

See section above

3 Evaluation of others' work

- **Appointments as an expert for the judgement of applications for academic positions.**

- 2004 - Professor of Obstetrics and Gynecology, University of Oulo, Finland
- 2007 – Professor of Obstetrics and Gynecology, University of Southern Denmark, Denmark
- 2010 – Senior lecturer/professor of Obstetrics and Gynecology, Karolinska Institute, Sweden
- 2010 – Senior lecturer/professor of Obstetrics and Gynecology, Uppsala University, Sweden
- 2010 – Adjunct professorship, Elisabeth Åvall Lundquist, Karolinska Institute, Sweden
- 2010 - Adjunct senior lectureship for Lena Marions, Karolinska Institute, Sweden
- 2011 - Professor of Gynecological Oncology, University of Århus, Denmark
- 2011 – Professor of Obstetrics and Gynecology, University of Helsinki, Finland
- 2012 – Adjunct senior lectureship for Elisabeth Epstein, Karolinska Institute, Sweden
- 2013 – Associate professor, Kjell Wånggren, Uppsala University
- 2013 – Research Ass (Fo Ass), Reproductive Health, Karolinska Institute
- 2014 - Adjunct Professor, Helena Åkerud, Uppsala University
- 2014 – Adjunct Senior Lectureship Wei Li, Linköping University
- 2014 – Professorship Seppo Heinonen, Helsinki University
- 2015 - Associate professor, Henrik Falconer, Karolinska Institute
- 2014 - Research Ass (Fo Ass), Perinatal Regenerative Med, Karolinska

- **Participation in Boards of International scientific evaluation committees.**

- None

- **Referee duties for research applications at an international level.**

- NHMRC – Australia
- MRC –UK

- The Israel Science Foundation – Israel
- Wellcome Trust- UK
- **Referee duties for research applications at a national level.**
 - Chairman and evaluator of Project-applications (fall-terms) of faculty sponsored PhD positions Sahlgrenska Academy, 2008 - 2012
- **Work as an external opponent.**
 1. University of Ottawa, 2000, Angela M Tonary PhD
“Expression, regulation, and function of the kit tyrosine kinase receptor and its ligand, stem cell factor, in human epithelial ovarian cancer.”
 2. Lund University 2001 Christer Borgfeldt, PhD
“Ovarian tumors: prevalence, malignancy risk and significance of the plasminogen activator system.”
 3. Valencia University 2002, Marcos Meseguer, PhD
“Hormonal and embryonic regulation of human mucin MUC1 in endometrial epithelium.”
 4. Karolinska Institute 2003, Måns Edlund, PhD
“Aspects on menstrual physiology, pathology and medical treatment of menorrhagia.”
 5. Uppsala University 2003, Dmitrijus Kirolovas, PhD
“Regulation of ovarian aromatase: studies by aromatase assays in vitro and in vivo.”
 6. Uppsala University 2004, Li Li, PhD
“Antitumor activities of 2-methoxyestradiol on cervical and endometrial cancers in vitro.”
 7. Karolinska Institute 2008, Henrik Falconer, PhD.
“Endometriosis and ovarian reserve – inflammation and prognostic markers.”
 8. Karolinska Institute 2009, Sophia Brismar Wendel, PhD
“HPV genotyping and potential progression markers in cervical intraepithelial neoplasia: clinical and diagnostic impact.”
 9. Linköping University 2009, Pär Pärsson, PhD
“On the mode of hysterectomy; with emphasis on recovery and well-being.”
 10. Karolinska Institute 2010, Ann-Sofia Melin, PhD
“The risk of malignancy in women with endometriosis.”
 11. Karolinska Institute 2011, Maria Fröberg, PhD
“Prevention of cervical cancer through use of liquid-based cytology and supplementary HPV testing in population-based screening.”
 12. Oslo University 2011, Anna Polec, PhD
“Perioovulatory tissue reorganization in the human ovary”
 13. Karolinska Institute 2013, Mona Sheikhi, PhD
“Clinical grade vitrification of human ovarian tissue for fertility preservation”
 14. Copenhagen University 2013, Mette Tuxen Farber, PhD
“Modifiable risk factors for ovarian cancer”
 15. Karolinska Institute 2013, Susanne Müller, PhD “Adenocarcinoma of the cervix uteri. Methods to improve diagnostics: biological markers and HPV testing
 16. Karolinska University 2014, Maria Persson, PhD “New diagnostic and prognostic methods to improve the effectiveness of cervical cancer screening”

17. Karolinska University 2015, Gerasimos Tzortzatos, PhD “Hereditary factors in endometrial cancer”
18. Karolinska University 2015, Mariana Hulchiy, PhD “Hormonal regulation of the primate uterus – effects of hormone treatment and lifestyle interventions”
19. Karolinska University 2015, -----

- **Member of the evaluation committee for PhD theses.**
 - Member in around 30 evaluation committees during the past 5 year at University of Gothenburg, Karolinska and Umeå University
- **Editor of scientific journals. Document time period and journal.**
 - Editorial Board Member Human Reproduction 2000-2004
 - Associate Editor Acta Obstet Gynecol Scand 2015 - ongoing
- **Referee for scientific journals. Document number of duties and journals.**
 - Acta Obstetrica et Gynaecologica Scand (~20 duties last 5 years)
 - Acta Pathologica Microbiol Immunol Scand (~5 duties last 5 years)
 - Acta Physiologica Scandinavica (~5 duties last 5 years)
 - American Journal of Obstetrics and Gynaecology (~10 duties last 5 years)
 - American Journal of Transplantation (2 duties last 5 years)
 - British Journal of Cancer
 - British Journal of Obstetrics and Gynecology
 - Biology of Reproduction (~20 duties last 5 years)
 - Clinical & Experimental Metastasis (2 duties last 5 years)
 - Domestic Animal Endocrinology (5 duties last 5 years)
 - Endocrinology (~5 duties last 5 years)
 - European J Obstet & Gynecol Reproductive Medicine (~20 duties last 5 years)
 - Growth Hormone and IGF Research (~2 duties last 5 years)
 - Gynecologic and Obstetric Investigation (~10 duties last 5 years)
 - Human Reproduction (~40 duties last 5 years)
 - Human Reproduction Update (~10 duties last 5 years)
 - Journal of Clinical Endocrinology and Metabolism (~10 duties last 5 years)
 - Journal of Endocrinology (~10 duties last 5 years)
 - Journal of Obstetrics and Gynaecology Research (2 duties last 5 years)
 - Nature (2 duties last 5 years)
 - Nature Biotechnology (1 duty last five years)
 - Nature Medicine (3 duties last five years)
 - Obstetrics & Gynecology (~10 duties last 5 years)
 - PLOSone
 - Reproduction (~10 duties last 5 years)
 - Reproduction in Domestic Animals

4 Future research plans

See appendix 1.

5 Collaboration with the community

Industry, including own patents

1. Collaboration with Organon, Oss, Holland on development of female contraceptive 2000-2003
2. Collaboration with Bayer-Schering AG, Berlin, Germany on microarray studies of the human ovulatory follicle. Basic research towards ovary-site-specific female contraceptive 2005-ongoing
3. Collaboration and joint patent with CIPHERGEN, USA; US Patent 2008027448 “Methods for diagnosing ovarian cancer: protein-based biomarker combinations that are useful in qualifying ovarian cancer”

- **Media**

Multiple (>100) contacts/interviews in national and international

Mats Brännström – TEACHING PORTFOLIO

Teaching of students

- **Teaching at Health Professionals Level**
 1. Experimental animals (courseleader, lectures), School of Laboratory Technicians (Laborantskolan), 1983-1988
 2. Emergency Medicine (lectures), Naval School of Health – KA4, 1983-1986
 3. Uterus transplantation, Annual meeting of Swedish IVF Doctors, Sigtuna, 2012
 4. Transplantation UTx-donation, Annual Meeting of Swedish Organ Donation Responsible Doctors and Nurses, Sigtuna 2013
 5. Ethics of Uterus transplantation, Etikskolan, VGR, Gothenburg, 2013

- **Teaching at First (Bachelor)/Second (Master) level**
 1. Physiology for Medical Students (seminars), University of Gothenburg, 1980-1988
 2. Physiology for Medical Students (lectures), University of Gothenburg, 1995
 3. Physiology for Dental Students (lectures), University of Gothenburg, 1986-1988
 4. Reproductive Physiology for Medical Students (lectures), University of Adelaide, 1992-1993
 5. Obstetrics and Gynecology for Medical students (lectures), University of Gothenburg, 1994 – 1997 (reproductive physiology), 1999 – ongoing (gynaecological oncology, reproductive anatomy, reproductive endocrinology)
 6. Biomedical Cellbiology (reproductive physiology and basal obstetrics & gynecology) for Biomedical students (lectures), University of Gothenburg, 1995, 2000
 7. Elective in Reproductive Health, University of Gothenburg, 2012, 2013
 8. Supervisor of Honours-thesis, University of Adelaide
 - Yuko Nakayama, “Insulin resistance in the polycystic ovary”, University of Adelaide, 1991
 - Melinda Jasper, “Presence and pattern of secretion of GM-CSF by the human ovary”, University of Adelaide, 1992
 - Nigel Bonello, “Effects of Il-1 and TNFa on plasminogen activator activity at ovulation, University of Adelaide, 1993

- **Teaching at Third (Doctoral) level**
 1. Lecturer at *Comparative Reproductive Physiology*, SLU, Uppsala, 1995
 2. Lecturer at *Physiology and pathology of the mammalian ovary*, SLU, Uppsala, 2000
 3. Lecturer at *Intercurrent diseases in pregnancy*, University of Gothenburg, 2002
 4. Lecturer 7 times at *Gynecologic-oncology surgery*, University of Gothenburg, 2000-2004, 2010-ongoing

5. Lecturer 12 times at *Basic gynaecological surgery*, University of Gothenburg, 2004-2012
6. Lecturer 7 times at *Clinical achievements in reproductive medicine*, Karolinska Institute 2009-2015

Teaching experience

- Professor of Obstetrics and Gynecology since 2003 with 67% of time for teaching and research

Nature and diversity of your teaching

- I have been involved in several forms of teaching for medical students, including lectures, animal experimental labs, human physiology labs, seminars, problem-based seminars, laboratory teaching in physiology, bedside teaching and regular supervision of medical students during clinical rotations in general gynecology, obstetrics and gynae-oncology.

Examination and assessment

- Examiner of the course in Obstetrics and Gynecology for medical students 1999-ongoing. Responsible for examination of laboratory technicians in animal experimentation during a 5-year period (1983-1988).

Production of teaching material

- Author of three chapters (Trophoblastic disease; Myoma; Vulvar- and vaginal-cancer) in the Swedish textbook of Gynecology (Studentlitteratur, eds, Janson, Landgren).
 - **Brännström M.** Vulvar- and vaginal-cancer. In Gynekologi (eds. Janson PO, Landgren BM), Studentlitteratur, Lund, Sweden. pp.145-254
 - **Brännström M.** Trophoblastic disease. In Gynekologi (eds. Janson PO, Landgren BM), Studentlitteratur, Lund, Sweden. pp. 267-270
 - **Brännström M.** Myoma. In Gynekologi (eds. Janson PO, Landgren BM), Studentlitteratur, Lund, Sweden. pp.271-276

Internationalisation

- Lecturing Reproductive Physiology for Medical students at University of Adelaide, as part of my post doc period 1992-1993
- Responsible and supervisor - clinical rotation in Obstetrics and Gynecology during Internship for
 - Dr. Layla Ali, United Arab Emirates 2003 (6 months)
 - Dr. Anas Raffa, Saudi Arabia, 2010 (3 months)

Development of educational knowledge

- Course on Teaching in Medicine, University of Gothenburg, 1 week, 1999
- Course on Ethics in Health and Research, University of Gothenburg, 2 weeks 1999

Examples of teaching, supervision or examination development

I have been involved for many years in most facets of teaching for medical students. During the last 3 years I have been active in reorganisation of the course in Obstetrics and Gynecology into a course with more problem- and patient-oriented learning. Course leader in Obstetrics and Gynecology, 2012 and 2013.

Educational development and research

- Reorganization (curriculum, clinical training, shift from lectures to patient-oriented seminars) of the Obstetrics and Gynecology Course for Medical Students, University of Gothenburg after Högskoleverket and Internal Review process (“Kollegial dialog”) in collaboration with Associate professor B. Jacobsson (course leader) and adjunct professor C. Bergh, 2008-2010

Involvement in educational committees

- Member of the Internal review committee (“Kollegial Dialog”) of the curriculum for medical students – special responsibility for review of courses in Basal Anatomy and Functional Anatomy, 2007-2008
- Member of Sahlgrenska Academy Committee for promotion to Associate Professor (Docent), 2010 - ongoing
- Member of Sahlgrenska Academy, Committee for PhD studies, 2008 -2012
- Chairman and evaluator of Project-applications (fall-terms) of faculty-sponsored PhD positions, Sahlgrenska Academy, 2008 – 2012
- Member of Board of CEROSS (Centre of Excellence for Research on Sex Steroids), Research School, 2007-ongoing

Mats Brännström - CLINICAL PORTFOLIO

Formal specialist degree in Obstetrics and Gynecology

- SFOG specialist examination – passed 1996
- Specialist in Obstetrics and Gynecology, Sweden, 1997
- Specialist in Obstetrics and Gynecology, Norway, 2010

Number of years' service as a specialist (up to 10 years)

- Specialist in Obstetrics and Gynecology > 10 years (since 1997)

Experience of inpatient and outpatient care

- Ongoing clinically active in gynecology, reproductive medicine, obstetrics
- Since 1999 – senior gynaecology surgeon with independent surgery of ovarian-, endometrial-, cervical- and vulvar-cancer
- Gynaecology Fellow RANZOG, Royal Adelaide Hospital, Australia, 1998

Appointment as chief medical officer

- Senior consultant (överläkare), Sahlgrenska University Hospital, 1999 – ongoing
- Deputy Director (t.f. verksamhetschef). Gynecology, Sahlgrenska University Hospital, 2000-03-01-2000-12-31
- Director (verksamhetschef), Gynecology, (125 employees, 125 000 000 SEK yearly budget), Sahlgrenska University Hospital, 2001-2004
- Vice Director (bitr. verksamhetschef), Gynecology and Reproductive Medicine, (280 employees, 125 000 000 SEK yearly budget) Sahlgrenska University Hospital 2005-2006

Participation in on-call services (number of years on standby duty)

- Primary call duty (primärjour), Obstetrics and Gynecology, Sahlgrenska University Hospital 1993-1997
- Secondary call duty, Gynaecological oncology, Royal Adelaide Hospital, 1998
- Secondary call duty (bakjour), Gynecology, Sahlgrenska University Hospital 1999 – ongoing

Competence and regional referral of patients for

- Ovarian cancer with ultraradical debulking (including peritoneal stripping, bowel resection)
- Vulvar cancer including full inguinal lymphnode dissection/sentinel node procedure
- Cervical cancer – radical hysterectomy
- Robotic assisted laparoscopy for uterine malignancy

Competence and national referral of patients for

- Vaginal aplasia – laparoscopic Vecchiotti neovagina surgery

Documentation of clinical competence (width and quality)

- Nationally one of two gynae-oncology surgeons with most experience in vulvar cancer surgery, including sentinel node-procedure
- Nationally, with 2 other colleagues at Sahlgrenska the only team that masters ultraradical (no residual disease) debulking of stage 3/4 ovarian cancer.
- Nationally, one of two doctors in the only team that masters the new laparoscopically-assisted Vecchiotti neovagina surgery
- Independent surgeon of robotic-assisted laparoscopy for uterine malignancy

Assignments within healthcare organisations and other authorities/organisations as a result of clinical competence

- Chairman of the committee for New clinical guidelines for ovarian cancer in Western Sweden 2008-2010

Development/establishment/evaluation of new treatment strategies

- Major Swedish contributor to the ongoing European trial of sentinel node procedure in vulvar cancer (GROINS-V II) 2005 – ongoing
- Independent surgeon in robotic assisted laparoscopic surgery for gynecologic malignancy, Sahlgrenska University Hospital 2012 – ongoing
- Established first Nordic Centre for modern neovagina surgery
- Group leader of international team performing the first research-based human uterus transplantations (www.youtube.com/watch?v=27WBZSOAO_4)

Development of health-care programmes

- Chairman of the Western Sweden regional Committee for Health Care programmes (Vårdprogram) in gynaecological oncology, 2008-2010
- Chairman and supervisor of Programme for Ovarian Cancer, released 2011

Clinical supervision during specialist and/or further training

- Supervision in Obstetrics and Gynaecology of medical students (since 1994) and of resident doctors (since 1999)

Participation in pharmaceutical recommendations, pharmaceutical committee work

- Member of Organon, Sweden Advisory Board of Gynecology, 2005-2006

Mats Brännström - LEADERSHIP, DEVELOPMENT AND WORKPLACE RELATIONS PORTFOLIO

1 Formal education within leadership, development and workplace relations

Swedish Naval Academy 1977-1978

Course for Clinical Directors (Verksamhetschefer), Sahlgrenska University Hospital 2002-2003 (25 days)

2 Leadership

2.1 Leadership positions

- **Chairmanship of academic boards or similar bodies, investigations, national and international projects etc**
- Member of Sahlgrenska Academy Committee for Promotion to Associate Professor (Docent), 2010- ongoing
- Member of Sahlgrenska Academy, Committee for PhD studies, 2008 – 2012
- Chairman of Assessment Committee for Project-applications (fall-terms) of faculty sponsored PhD positions, Sahlgrenska Academy, 2008 – 2012
- Member of Board of CEROSS (Centre of Excellence for Research on Sex Steroids), Research School, 2007-ongoing

- **Congress organiser (number and type)**
- **Main organizer of**
 - *1st Sahlgrenska Symposium on Gynecology and Reproductive Medicine*, University of Gothenburg, 2007
 - *1st International Meeting on Uterus Transplantation*, University of Gothenburg, 2007
 - *2nd Sahlgrenska Symposium on Gynecology and Reproductive Medicine*, University of Gothenburg, 2009
 - *2nd CEROSS symposium on Sex steroids in the female*, University of Gothenburg, 2009
 - *Annual Conference of Swedish Obstetricians and Gynecologists (SFOG)*, Varberg 2013
- **Organising committee of**
 - Nordic Federation for Obstetrics and Gynecology, Göteborg, Sweden, 2006.
 - *CEROSS symposium on Sex steroids and cancer*, University of Gothenburg, 2013
 - Annual Meeting of Swedish Society for Obstetrics and Gynecology (SFOG), Varberg, 2014

- **Head of section, director of studies, programme director, education responsibility**
 - Deputy Director (t.f. verksamhetschef). Gynecology, Sahlgrenska University Hospital, March 2000-Dec 2000

- Director (verksamhetschef), Gynecology, (125 employees, 125 000 000 SEK yearly budget), Sahlgrenska University Hospital, 2001-2004
- Vice Director (bitr. verksamhetschef), Gynecology and Reproductive Medicine, (280 employees, 125 000 000 SEK yearly budget) Sahlgrenska University Hospital 2005-2006

2.2 Supervisor/lecturer/mentor

- PhD main-supervisor and mentor for Pernilla Dahm-Kähler, now Division Director, Gynaecology Surgery, Sahlgrenska University Hospital
- PhD main-supervisor for Anders Enskog, now Director of Residence training in Anesthesiology, Sahlgrenska University Hospital
- PhD main-supervisor and mentor for Marita Pall, now Associate clinical professor, Cedars Sinai Medical Centre, LA, USA
- PhD main-supervisor for Anna-Karin Lind, now Medical Director, IVF Sverige
- PhD ass-supervisor and mentor for Karin Sundfeldt, now Adjunct professor, Sahlgrenska Academy

2.3 Workplace and social leadership competence

- **Workplace leadership competence**
 - Deputy Director (t.f. verksamhetschef), Gynecology, Sahlgrenska University Hospital, March 2000-Dec 2000
 - Director (verksamhetschef), Gynecology, (125 employees), Sahlgrenska University Hospital, 2001-2004
 - Vice Director (bitr. verksamhetschef), Gynecology and Reproductive Medicine, (280 employees) Sahlgrenska University Hospital, 2005-2006
 - Chairman, Department of Obstetrics and Gynecology, Sahlgrenska Academy, University of Gothenburg, Sept 2008 – ongoing
- **Social leadership competence**
 - Research group leader since 1994, with today 16 completed PhDs with MB as main supervisor
 - Leader of the Swedish-based but international Uterustransplantation-group, with members from USA, Spain, Germany, Australia and Kenya (see also www.uterustransplantation.com)
 - Referees to leadership competence
 - Associate professor Pär Hellberg, Sahlgrenska University Hospital (par.hellberg@vgregion.se)
 - Professor TE Curry, University of Kentucky (tecurry@uky.edu)
 - Professor A Tzakis, University of Miami (atzakis@med.miami.edu)
 - Professor A Pellicer, University of Valencia (apellicer@ivi.es)

2.4 Clinical leadership and co-operation competence

- **Overall top management responsibility/departmental responsibility.**
- Deputy Director (t.f. verksamhetschef), Gynecology, Sahlgrenska University Hospital, March 2000-Dec 2000
- Director (verksamhetschef), Gynecology (125 employees), Sahlgrenska University Hospital, 2001-2004
- Vice Director (bitr. verksamhetschef), Gynecology and Reproductive Medicine, (280 employees) Sahlgrenska University Hospital, 2005-2006
- Chairman, Department of Obstetrics and Gynecology, Sahlgrenska Academy, University of Gothenburg, Sept 2008 – ongoing
- **Building up team-based/multi-disciplinary collaborative clinical projects**
- Sahlgrenska Uterustransplantation group including gynecologists, reproductive medicine specialist, transplant surgeons, counsellors OR nurses, anesthesiologists, anaesthesiology nurses, pathologists, researchers and biomedical technicians
- Sahlgrenska neovagina group including gynecologists, nurses, counsellors
- Sahlgrenska Vulvar cancer group with gynecologists, gyne-oncologist, nurses and practical-nurses
- **Ability to lead and co-operate with colleagues and other personnel groups within healthcare.**
- Extensive experience of co-operation with colleagues and other personnel groups within healthcare as clinical director and clinical vice-director for altogether 6 years

3 Strategic competence

3.1 Innovation experience

- Patent
 - Collaboration and joint patent with CIPHERGEN, USA; US Patent 2008027448 “Methods for diagnosing ovarian cancer: protein-based biomarker combinations that are useful in qualifying ovarian cancer”
- Other experiences from innovations
 - Collaboration with Organon, Oss, Holland on development of female contraceptive 2000-2003
 - Collaboration with Bayer-Schering AG, Berlin, Germany on microarray studies of the human ovulatory follicle. Basic research towards ovary-site-specific female contraceptive 2005-ongoing

3.2 Entrepreneurship

- Leader of uterustransplantation group (www.uterustransplantation.com).

4 Workplace relations

4.1 Collaboration with the community

- School

- Organized several site-visits at Sahlgrenska University Hospital for classes from Göteborg Samskola, International School of Gothenburg Region (ISGR) and International Preschool.
- Authorities
 - Expert opinions for Swedish Patient Insurance PSR (Personskadereglering)
- Media
 - Interviewed > 100 times in Swedish and International media. Presently active in creations of documentaries on the uterustransplantation project by BBC.
- Community
 - Participation as seminar speaker at Göteborg Science Festival (Vetenskapsfestivalen), 2008
- Commerce and industry
 - Collaboration with Organon, Oss, Holland on development of female contraceptive 2000-2003
 - Collaboration with Bayer-Schering AG, Berlin, Germany on microarray studies of the human ovulatory follicle. Basic research towards ovary-site-specific female contraceptive 2005-ongoing

4.2 Committee work

- Chairman and evaluator of Project-applications (fall-terms) of faculty sponsored PhD positions Academy, 2008 - ongoing, Sahlgrenska
- Member of Sahlgrenska Academy Committee for promotion to Associate Professor (Docent) 2010- ongoing
- Member of Sahlgrenska Academy, Committee for PhD studies 2008 – ongoing
- Chairman of the committee for New clinical guidelines for ovarian cancer in Western Sweden 200-2010
- Chairman of the Western Swedish regional Committee for Health Care programme (Vårdprogram) in gynaecological oncology 2008-2010
- Member Human Ethics Committee, Sahlgrenska Academy: 01-07-1999 – 30-04-2002

4.3 Active work on ethical issues, equal opportunities, the workplace environment and environmental questions

- Member Human Ethics Committee, Sahlgrenska Academy: 01-07-1999 – 30-04-2002
- Chairman, Collaborative Unions group on Workplace Environment – Gynecology, Sahlgrenska University Hospital 2001-2004