

# **Curriculum Vitae, Professor Gunnar Kratz**

**Name:** Gunnar Kratz.  
**Born:** Stockholm, SWEDEN

## **Medical education:**

1990: MD, Karolinska Institute, Stockholm, Sweden.

**Thesis:** 1993, Medicine (anatomy), In vitro studies on keratinocyte derived growth factors, amniotic fluid and insulin like growth factors in cell proliferation and re-epithelialization of wounds, Tutor: Prof. Carl-Johan Dalsgaard.

**Post-doc:** 1995: Post-doc fellow at Harvard Medical School / Shriners Burns Institute / Massachusetts General Hospital, Boston, USA. Host: Prof. Carolyn Compton.

**Ass. Prof (docent) in Plastic Surgery:** 1997.

**Present appointment:** 2002-continous, Professor of Plastic Surgery/Senior Consultant in Plastic Surgery. Linköping Univetsity/University Hospital. Linköping.

## **Previous appointments:**

1990-1993: Internship and assistant surgeon, Department of Surgery, Karolinska Hospital, Stockholm.

1993-1997: Residency, Department of Plastic and Reconstructive Surgery, Karolinska Hospital, Stockholm.

1997-1998 Ward physician, Department of Plastic and Reconstructive Surgery, Karolinska Hospital, Stockholm.

1998-2000: Senior consultant, Head of the research division and laboratory for experimental plastic surgery. Department of Plastic and Reconstructive Surgery, Karolinska Hospital, Stockholm.

2000-2002: Senior consultant and senior teacher, Head of research division and laboratory for experimental plastic surgery. Department of Plastic and Reconstructive Surgery, Karolinska Hospital, Stockholm.

Holds a full and specialist registration at GMC, London, UK.

## **Graduated PhDs:**

Karin Hehenberger 1997

Magdalena Fossum 2004

Fredrik Huss 2005

Carl-Johan Gustafson 2006

## **PhD students in Progress:**

Solitaire supervisor (100 %): 6

Shared tutorship (50 %): 2

## **Post-docs:**

Dr. Hans Johnson, 2003-2005

Dr. Fredrik Huss, present

**Faculty opponent, doctoral dissertations:**

Tor Sävsjö, Malmö

Margareta Lirvall, Linköping

Elisabeth Björntorp-Mark, Gothenburg

Al Varol, The University of New South Wales, Australia

Maik Stiehler, University of Aarhus, Denmark

**Collaborations**

Prof. Elof Eriksson, Harvard Medical School, Boston, USA.

Profs. Frey, Brown and Hillborn; 3G-SCAFF, EU funded project. Multidisciplinary

Prof. A-C Albertsson, KTH, Stockholm. SSF funded project.

Prof. Bagger-Sjöbäck, Karolinska Institute.

Prof. Tengvall, University of Linköping Multidisciplinary

Prof. A Nordensköld, KS, Stockholm.

Prof. J-I Jönsson and ass. Prof. I Rundquist, Linköping university. Multidisciplinary

Professor H Jonsson, and L Salemark, Bergen, Norway.

Prof. Kerstin Brismar, Karolinska institute, Stockholm.

**Comissions of trust (current):**

Scientific secretary of the Swedish society of plastic surgeons.

Pro-prefekt at the dep. of biochemistry and surgery, Linköping university.

Member of the board at the centre for reconstruction, University Hospital, Linköping.

Member of the committee for new recruitments at Hälsouniversitetet.

Member of the advisory boards at Mölnlycke Health Care and New Science AB

Member of the editorial boards of Scand J of Surgery, Organogenesis and Läkartidningen.

Representativ in the National Board of Health and Welfare's group for donation, procurement  
and

testing of human tissues and cells.

**Entrepreneurial Achievements:**

Have co-founded the biotech companies: Karocell Tissue Engineering AB, situated at the  
Karolinska

Institute, Stockholm and Celltrix AB, situated at Ideon, Lund.

**Invited lectures (Examples):**

Italian Urologic Association, Ancona, 2000

Pittsburgh initiative for tissue engineering 2001

National University of Singapore, 2002

Mark Evans International Meeting-Tissue Engineering 2003

KOL meeting on wound healing, Amsterdam, 2004

European Urology Association, annual meeting, Wien 2004

The Royal Swedish Academy of Engineering Sciences, Stockholm 2004

Acta Chirurgica Jubilee lectures, Stockholm 2005

The dermatological society in Sweden, Gothenburg 2005

The Nordic Urology Society, Gothenburg 2005

European Tissue Repair Society 16th Annual Meeting, Pisa, Italy 2006

Visiting Professor/Invited Speaker, Harvard Medical School, Boston 2006

Stem Cell and Tissue Engineering in Plastic Surgery, Samsun, Turkey 2007

## **1: Original Publications**

**G. Kratz.** In vitro studies on keratinocyte derived growth factors, amniotic fluid and insulin like growth factors in cell proliferation and re-epithelialization of wounds. Thesis.

**G. Kratz, A. Hægerstrand, C-J Dalsgaard.** Conditioned medium from cultured human keratinocytes has growth stimulatory properties on different human cell types. *J Invest Dermatol* 1991; 97:1039-1043.

**G. Kratz, M. Lake, K. Ljungström, G. Forsberg, A. Hægerstrand, M. Gidlund.** Effect of recombinant IGF binding protein-1 on primary cultures of human keratinocytes and fibroblasts: Selective enhancement of IGF-1 but not IGF-2-induced cell proliferation. *Exp Cell Res* 1992; 202:381-385.

**G. Kratz, A. Hægerstrand, B. Palmer.** Growth stimulatory effects of amniotic fluid on human cells related to wound healing. *Eur J Plast Surg.* 1993;16:130-133.

**G. Kratz, M. Lake, M. Gidlund.** Insulin like growth factor-1 and-2 and their role in the re-epithelialisation of wounds; interactions with insulin like growth factor binding protein type 1. *Scand J Plast Reconstr Hand Surg* 1994; 28:107-112.

**G. Kratz, B. Palmer, A. Hægerstrand.** Effects of keratinocyte conditioned medium, amniotic fluid and EGF in reepithelialization of human skin wounds in vitro. *Eur J Plast Surg* 1995;18:209-213.

**G. Kratz, K. Jansson, M. Gidlund, A Hægerstrand.** Keratinocyte conditioned medium stimulates type IV collagenase synthesis in cultured human keratinocytes and fibroblasts. *Br J Dermatol* 1995;133;.842-846.

I Mitsuse, **G Kratz, A Hægerstrand, M Ståhle-Bäckdahl.** Collagenase expression is rapidly induced in ulcer edge keratinocytes after acute injury in human skin; persists during healing and stops at re-epithelialization. *J Invest Dermatol* 1995;104;479-483.

K Jansson, **G Kratz**, A Hægerstrand. Characterization of a new *in vitro* model for studies of reepithelialization in human partial thickness wounds. *In Vitro Cell Dev Biol-Animal* 1996;32;534-540

**G. Kratz**, B. Jonzon, A. Hultgård-Nilsson, A. Hægerstrand. Characterization and partial purification of a keratinocyte derived growth factor with wound healing properties. *Cell Biochem.* 1997;15;153-162.

P Emanuelsson, **G Kratz**. Characterization of a new *in vitro* burn wound model. *Burns* 1997;23;32-36.

**G Kratz**, C Arnander, J Swedenborg, M Back, C Falk, I Gouda, O Larm. Heparin-chitosan complexes stimulate wound healing in human skin. *Scand J Plast Reconstr Hand Surg*, 1997;31; 119-123.

K Hehenberger, K Brismar, F Lind, **G Kratz**. Dose-dependent hyperbaric oxygen stimulation of cell proliferation in human fibroblasts derived from normal skin and chronic diabetic foot ulcers. *Wound Healing and Regeneration* 1997;5;147-150.

**G Kratz**, CC Compton. Tissue expression of transforming growth factor-beta 1 and alpha during wound healing in human skin explants. *Wound Healing and Regeneration* 1997: 5: 222-8.

K Hehenberger, **G Kratz**, A Hansson, K Brismar. Fibroblasts derived from human chronic diabetic wounds have a decreased proliferation rate, which is recovered by the addition of heparin. *J Dermatol Sci* 1998;16;144-151

C-J Gustafson, Jan Eldh, **G Kratz**. Culture of human urothelial cells on a cell-free dermis for autotransplantation. *Eur Urol* 1998;33;503-506.

**G Kratz**. Modeling of wound healing processes in human skin using tissue culture. *Microsc Res Tech* 1998;42;345-350.

Compton CC, Warland G, **Kratz G**. Melanocytes in Cultured Epithelial Grafts Are Depleted with Serial Subcultivation and Cryopreservation: Implications for Clinical Outcome. *J Burn Care Rehabil* 1998;19:330-336.

**G Kratz**, C Arnander, M Back, O Larm. Immobilized heparin accelerates the healing of human wounds *in vivo*. *Scand J Plast Reconstr Hand Surg*, 1998;32:381-385.

C-J Gustafson, **G Kratz**. Cultured autologous keratinocytes on a cell free dermis in the treatment of full-thickness wounds. *Burns*, 1999;25:331-335.

E Morcos, OT Jansson, J Adolfsson, **G Kratz**, NP Wiklund. Endogenously formed nitric oxide modulates cell growth in bladder cancer cell lines. *Urology* 1999; 53:1252-1257.

R Rigler, A Pramanik, P Jonasson, **G Kratz**, O. T. Jansson, P-Å Nygren, S Ståhl, K Ekberg, B-L Johansson, S Uhlén, M Uhlén, H Jörnvall, J Wahren. Specific binding of proinsulin C-peptide to human cell membranes. *Proc Natl Acad Sci U S A*, 1999;96:13318-23.

**Kratz**, C-J Gustafson, F Huss, E Neovius. Recreation of tissue--the plastic surgeon's springboard in to the 21st century. *Lakartidningen* 1999;44.

C Kratz, A Tollbäck, **G Kratz**. Effects of stretching on cell proliferation in human burn scars. *Scand J Plast Reconstr Hand Surg*, 2001;35:57.

C Gustafson, **G Kratz**. Tissue engineering in urology. *Curr Opin Urol*. 2001;11; 275-279.

Huss FR, **Kratz G**. Mammary epithelial cell and adipocyte co-culture in a 3-D matrix: the first step towards tissue-engineered human breast tissue. *Cells Tissues Organs*. 2001;169(4):361-7.

Jansson K, Haegerstrand A, **Kratz G**. A biodegradable bovine collagen membrane as a dermal template for human *in vivo* wound healing *Scand J Plast Reconstr Surg Hand Surg*. 2001 Dec;35(4):369-75.

Huss FR, **Kratz G**. Adipose tissue processed for lipoinjection shows increased cellular survival in vitro when tissue engineering principles are applied. *Scand J Plast Reconstr Surg Hand Surg*. 2002;36(3):166-71.

Fossum M, Gustafson CJ, Nordenskjold A, **Kratz G**. Isolation and in vitro cultivation of human urothelial cells from bladder washings of adult patients and children. *Scand J Plast Reconstr Surg Hand Surg*. 2003;37(1):41-5.

Heilborn JD, Nilsson MF, **Kratz G**, Weber G, Sorensen O, Borregaard N, Stahle-Backdahl M. The Cathelicidin Anti-Microbial Peptide LL-37 is Involved in Re-Epithelialization of Human Skin Wounds and is Lacking in Chronic Ulcer Epithelium. *J Invest Dermatol*. 2003 Mar;120(3):379-89.

**G Kratz**, S Asko-Seljavaara. Plastic surgery. *Scand J Surg*. 2003;92(4):239.

E Neovius, **G Kratz**. Tissue-engineering by co-cultivating human elastic chondrocytes and keratinocytes in fibrin glue. *Tissue Engineering*. *Tissue engineering* 2003;9; 365-369.

**G Kratz**, F Huss. Tissue engineering-body parts from the Petri dish. *Scand J Surg*. 2003;92:241-7.

Huss F, Erlandsson U, Cooray V, **Kratz G**, Sjoberg F. Lightning injuries--a mixture of electrical, thermal and multiple trauma *Lakartidningen*. 2004 Jul 8;101(28-29):2328-31.

Fossum M, Nordenskjold A, **Kratz G**. Engineering of multilayered urinary tissue in vitro. *Tissue Eng*. 2004 Jan-Feb;10(1-2):175-80.

**Kratz G**. Body parts from the laboratory bench. *Br J Surg*. 2005 Apr;92(4):385-6.

E Ulfarsson, A Karström, S Yin, A Girnita, D Vasilcanu, M Thoren, **G Kratz**, J Hillman, M Axelson, O Larsson, L Girnita. Expression and growth dependency of the insulin-like growth factor I receptor in craniopharyngioma cells: a novel therapeutic approach. *Clin Cancer Res*. 2005 Jul 1;11(13):4674-80.

Fossum M, Lundberg F, Holmberg K, Schoumans J, **Kratz G**, Nordenskjöld A. Long-term culture of human urothelial cells-a qualitative analysis. *Cells Tissues Organs*. 2005;181(1):11-22.

Garvin S, Nilsson UW, Huss FR, **Kratz G**, Dabrosin C. Related Articles, Estradiol increases VEGF in human breast studied by whole-tissue culture. *Cell Tissue Res*. 2006 Mar 28

Huss FR, Junker JP, Johnson H, **Kratz G**. Macroporous gelatine spheres as culture substrate, transplantation vehicle, and biodegradable scaffold for guided regeneration of soft tissues. In vivo study in nude mice. *J Plast Reconstr Aesthet Surg*. 2007 May;60(5):543-55. Epub 2006 May 26.

**Kratz G**. Facial transplantation...playground or medical achievement? *Lakartidningen*. 2007 Jan 24-30;104(4):204-5.

M. Fossum, J. Svensson, **G. Kratz**, A. Nordenskjöld. Autologous in vitro cultured urothelium in hypospadias repair. *Journal of Pediatric Urology* 2007 ; 3: 10-18.

Huss FR, Junker JP, Johnson H, **Kratz G**. Macroporous gelatine spheres as culture substrate, transplantation vehicle, and biodegradable scaffold for guided regeneration of soft tissues. In vivo study in nude mice. *J Plast Reconstr Aesthet Surg*. 2007;60(5):543-55. Epub 2006 May 26.

Gustafson CJ, Birgisson A, Junker J, Huss F, Salemark L, Johnson H, **Kratz G**. Employing human keratinocytes cultured on macroporous gelatin spheres to treat full thickness-wounds: an in vivo study on athymic rats. *Burns*. 2007 Sep;33(6):726-35. Epub 2007 Apr 30.

Fredriksson C, **Kratz G**, Huss F. Transplantation of cultured human keratinocytes in single cell suspension: A comparative in vitro study of different application techniques. *Burns*. 2008 Mar;34(2):212-9. Epub 2007 Aug 3.

**G Kratz**, J Junker, C Kratz. Induction of myofibroblast transformation in human skin by stretching. In Press. *Burns*.

J Junker, P Lahi, H Jonson, **G Kratz**. Pluripotency in human skin fibroblasts-an in vitro study. Submitted.

Karlsson L, Junker J, Grenegård M, **Kratz G**. Transdifferentiation of Normal Human Dermal Fibroblasts and Single-Cell Clone Fibroblasts Towards an Endothelial Cell-Like Phenotype. Submitted, Regenerativ Medicine.

Pettersson S, Wetterö J, Tengvall P, **Kratz G**. Human Articular Chondrocytes on Macroporous Gelatin Microcarriers Form Structurally Stable Constructs with Blood-Derived Biological Glues In Vitro. Submitted. Tissue Engineering

F Huss, E Svensson, C-J Gustafson, **G Kratz** *In vitro* and *in vivo* study of a 3D-biodegradable matrix for dermal reconstruction. Submitted

Gustafson C-J, Birgisson A, Johnson H, **Kratz G**. Transplantation of acellular dermis and cultured keratinocytes on porous biodegradable microcarriers to full thickness skin defects-an experimental study in nude rats. Submitted.

Junker J, **Kratz G**. Characterization of a population of human dermal fibroblasts with stem cell plasticity. Manuscript.

Lahi P, Junker J, **Kratz G**. In vitro engineering of normal human bone tissue using transdifferentiated fibroblasts. Manuscript

P. Emanuelsson, T Holm, **G Kratz**. Effects of radiotherapy on the wound healing process in human skin. Manuscript.

F Huss, **G Kratz**. The effect of monochromatic light on proliferation and gene expression in normal human fibroblast. Manuscript

**G Kratz**, A Karström. Effects of temperature on the healing process in human skin. Manuscript.

## **2: Conference papers:**

**G Kratz.** Tissue engineering in plastic surgery. Svensk plastikkirurgisk förenings årsmöte 1998.

C-J Gustafson, **G Kratz.** Odlade patientegna keratinocyter i kombination med cellfritt dermis. Nordisk brännskadekongress, Stockholm, 1998.

C Kratz, **G Kratz.** Effects of physical therapy on cellproliferation in human burn scars. Nordisk brännskadekongress, Stockholm, 1998.

E Neovius, **G Kratz.** Odlat, humant, elastiskt brosk täckt med odlade humana hudceller, ett sätt att behandla microti. Svenska läkaresällskapets riksstämma 1999.

M Fossum, J Eldh, **G Kratz,** A Nordenskjöld, J Svensson. Total regeneration av uretravävnad in vitro. Svenska läkaresällskapets riksstämma 1999.

F Huss, **G Kratz.** 3D regeneration av bröstkörtelvävnad in vitro. Svenska läkaresällskapets riksstämma 1999.

M Fossum, J Eldh, **G Kratz,** A Nordenskjöld, J Svensson. Odling av urotelceller isolerade från blåskjöljvätska. Svenska läkaresällskapets riksstämma 1999.

C-J Gustafson, **G Kratz.** Tissue engineering in urogenitalial reconstruction. Italienska urologföreningens årsmöte 2000.

M Fossum, **G Kratz.** Odlat, autologt, urotel vid behandling av hypospadi. Svenska urologföreningens årsmöte 2000.

E Neovius, **G Kratz.** Humant, odlat, elastiskt brosk in vivo. Svenska läkaresällskapets riksstämma 2000.

**G Kratz.** - Tissue engineering in maxillofacial surgery 3rd Karolinska Postgraduate Course "Challenges in maxillofacial reconstructive surgery, Stockholm June 18-22, 2000.

F Huss, **G Kratz.** Kan cellöverlevnaden vid fettransplantation förbättras genom tissue engineering. Svenska läkaresällskapets riksstämma 2000.

Johan Heilborn, Margaretha Frohm-Nilsson, Anna-Lena Kastman, **Gunnar Kratz**, Mona Ståhle-Bäckdahl. Humant antimikrobiellt protein hCAP18, induceras i epidermis såväl vid sårsläkning in vivo som vid icke-inflammatorisk sårsläkning ex vivo. Svenska läkaresällskapets riksstämma 2000.

Tissue engineering-Symposium. Moderator **Gunnar Kratz.** Deltagare: Elof Eriksson, Anders Haegerstrand, Anders Lindahl. Svenska läkaresällskapets riksstämma 2000.

**G. Kratz.** Tissue Engineering. Italienska urologföreningens årsmöte 2001

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C Gustafson, **G Kratz.** Clinical experience with urothelial tissue cultivated in vitro. Italienska urologföreningens årsmöte 2001.

A Karström, **G Kratz.** Temperaturens effekt på normal human sårsläkning. Svenska läkaresällskapets riksstämma 2001.

**G Kratz.** In vitro modeller som alternativ till djurförsök vid sårsläkningsstudier. Svenska läkaresällskapets riksstämma 2001.

F Huss, **G Kratz.** Monokromatiskt ljus effekter på humana fibroblaster. Svenska läkaresällskapets riksstämma 2001.

P emanuelsson, **G Kratz.** The effect of radiation on wound healing in human skin. Svenska läkaresällskapets riksstämma 2001.

F Huss, **G Kratz.** A new biodegradable matrix for guided tissue engineering. European Tissue Engineering Society 2001, Frankfurt.

Magdalena Fossum, Agnetha Nordenskjöld, **Gunnar Kratz**. In vitro regeneration of a complete urethra. European Tissue Engineering Society 2001, Frankfurt.

F Huss, C-J Gustavson, **G Kratz**. In vitro och in vivo studie av 3D-biologiskt nedbrytbart matrix som dermal substitut. Svenska läkaresällskapets riksstämman 2002.

**G Kratz**. Odlad hud vid behandling av brännskador. Symposium. Svenska läkaresällskapets riksstämman 2002.

**G Kratz**. Tissue engineering. KI-NUS Life Sciences Symposium, Singapore, 2002.

**G Kratz**. Clinical studies with engineered urothelial tissue. Engineering Tissue Growth, International Conference & Exposition. Pittsburgh, 2002.

**G Kratz**. The Use of Tissue Engineering in Plastic Surgery. Tissue Engineering and Regenerative Medicine-Mark Evans symposium, London. 2003

**G Kratz**. Metaoidoplastik-ett nytt alternative vid peniskonstruktion. Svenska läkaresällskapets riksstämman 2003.

**G Kratz**. Transsexualism and sex reassignment surgery. Annual meeting of the Swedish urology society.

**G Kratz**. Tissue Engineering in Urology. European Urology Society annual meeting, Vienna. 2004.

**G Kratz**. The role of extracellular matrix in wound healing, KOL meeting 2004, Amsterdam.

**G Kratz**. Transdifferentiering av normala humana fibroblaster-är det dags att scrota begreppet adult stamcell? Läkarsämman 2004.

F Huss, **G Kratz**. Macroporösa gelatinsfärer-ett nytt matrix för tissue engineering. Läkarsämman 2004.

**G Kratz.** Cultured autologous keratinocytes in the treatment of chronic wounds. Annual meeting of the dermatological society in Sweden 2005

**G Kratz,** C Fredriksson, E Nyman, F Huss. The way towards a clinical study on the use of cultured autologous keratinocytes in the healing of chronic leg. Läkarstämman 2005

**G Kratz,** F Huss. Lokal hormonell behandling efter metaidoioplastik hos female to male transsexuella. Läkarstämman 2005

**G Kratz.** Tissue engineering. Visiting professor lecture-grand rounds, Harvard Medical School of Medicine, Boston, USA. 2006.

**G Kratz.** Sex reassignment surgery. Visiting professor lecture-residents, Harvard Medical School of Medicine, Boston, USA. 2006.

**G Kratz.** In vitro odlade autologa urinrör-kliniska erfarenheter. Nordisk plastikkirurgisk förenings möte 2006.

**G Kratz.** Transdifferentiering av humana fibroblaster. Nordisk plastikkirurgisk förenings möte 2006.

**G Kratz,** Tissue engineering of urothelial tissues. Invited speaker at European Tissue Repair Society 16th Annual Meeting, Pisa, Italy 2006

KA Tonseth, UM Kirste, E Rokkones, T Bjark, **G Kratz.** Genital Rekonstruksjon ved vaginal agenesi. Norsk plastikkirurgisk förenings årsmöte. 2007.

KA Tonseth, T Bjark, **G Kratz.** Metaidoioplastikk-funktionell rekonstruksjon av neopenis ved kjønnskonvertering. Norsk plastikkirurgisk förenings årsmöte. 2007

**G Kratz.** Stem Cell and Tissue Engineering in Plastic Surgery, Turkish National Plastic Surgery Meeting. Samsun, Turkey 2007

Camilla Fredriksson, **Gunnar Kratz**, Fredrik Huss. Transplantation of cultured human keratinocytes in single cell suspension: a comparative in vitro study of different application techniques. International Burn Association. Brazil. 2007

Camilla Fredriksson, Fredrik Huss, **Gunnar Kratz**. Transplantation of cultured human keratinocytes in single cell suspension: a comparative in vitro study of different application techniques. Riksstämman 2007.

Pehr Lahi, Johan Junker, Sofia Pettersson, **Gunnar Kratz**. Tissue engineering av brosk och ben med transdifferentierade humana fibroblaster. Riksstämman 2007.

Johan Junker, Pehr Lahi, Mårten Skog, Hans Johnsson, **Gunnar Kratz**. Stamcellspotential hos humana dermala fibroblaster. Riksstämman 2007.

### **3: Reviews and Book chapters:**

**G Kratz**. Tissue culture as *in vitro* models for the wound healing process in human skin. Microsc Res Tech 1998;42:345-350.

**G Kratz**, C-J Gustafson, F Huss, E Neovius. Tissue engineering-plastikkirurgins språngbräda in i 2000-talet. Läkartidningen 1999;44.

C Gustafson, **G Kratz**. Tissue engineering in urology. Curr Opin Urol. 2001;11; 275-279.

**G Kratz**, F Huss. Tissue engineering--body parts from the Petri dish. Scand J Surg. 2003;92:241-7.

**Kratz G**. Body parts from the laboratory bench. Br J Surg. 2005 Apr;92(4):385-6.

Author of the chapter “wound healing” in ” Kirurgi” Eds: B Hamberger, U Haglund. Liber. ISBN 91-47-05065

Co-author of STRAMAs consensus book regarding skin infections.

Co-author of Scandinavian textbook of plastic surgery.

## **6: Popular scientific articles/presentations:**

Has participated in the production of a TV program regarding wound healing together with photographer Lennart Nilsson.

Has participated in the production of several TV programs such as Nova, Hjärnkontoret, Fråga Olle dokumentär, TV-universitetet and Fråga doktorn mainly discussing tissue engineering and transsexualism.

Been interviewed in several news programs in radio and television. For exemple: Efter tre, Aktuellt, Rapport, Utbildningsradion, Vetandets värld, Fråga doktorn, Eftersnack and Öst nytt.

Has participated in the production of numerous articles in daily and weekly magazines regarding tissue engineering, burns, plastic surgery and sex reassignment surgery.

Has held a large number of public talks regarding tissue engineering, wound healing, plastic surgery and sex reassignment surgery.