

CV

Name: Hans Johnson-Vintertun

Sex: Male

Year of birth: 1965

Nationality: Swedish

Present position: Consultant Plastic Surgeon, Dept. of Hand-and Plastic Surgery, Linköping University Hospital, Linköping, Sweden.

Academic degree

- MD; Karolinska Institute, Stockholm, Sweden, 1993.
- PhD; Karolinska Institute, Stockholm, Sweden, 1998.
- Consultant Plastic Surgeon, Linköping University Hospital, Linköping, Sweden, 2005.
- At present active as reviewer for Eur Arch Otorhinolaryngol and J Tissue Eng Regen Med
- Main supervisor for one PhD student.
- Co-supervisor for three completed PhD-students during the last six years.

No. of publications in journals: 26

No of review articles: 2

No of total career publications: 26

The three most prominent publications during the last decade

1. Gustafson, C.J., Birgisson, A., Junker, J., Huss, F., Salemark, L., **Johnson, H.** and G. Kratz (2007) Employing human keratinocytes cultured on macroporous gelatin spheres to treat full thickness-wounds: An in vivo study on athymic rats. *Burns* 33:726-735.
2. Sommar, P., Pettersson, S., Ness, C., **Johnson, H.**, Kratz, G. and J. Junker (2010) Engineering three-dimensional cartilage- and bone-like tissues using human dermal fibroblasts and macroporous gelatine microcarriers. *J Plast Reconstr Aesthet Surg.* 63:1036-46.
3. Junker, J., Sommar, P., Skog, M., **Johnson, H.** and G. Kratz (2010) Adipogenic, chondrogenic and osteogenic differentiation of clonally derived human dermal fibroblasts. *Cells Tissues Organs.*191:105-18.

List of publications for the time period 1.1.2007-30.6.2016

1. Huss, F.R., Junker, J.P, **Johnson H.** and G. Kratz (2007) 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.* 60:543-555.
2. Gustafson, C.J., Birgisson, A., Junker, J., Huss, F., Salemark, L., **Johnson, H.** and G. Kratz (2007) Employing human keratinocytes cultured on macroporous gelatin spheres to treat full thickness-wounds: An in vivo study on athymic rats. *Burns* 33:726-735.
3. Edstrom, E., Altun, M., Bergman, E., **Johnson, H.**, Kullberg, S., Ramirez-Leon, V. and B. Ulfhake (2007) Factors contributing to neuromuscular impairment and sarcopenia during aging. *Physiol. Behav.* 92:129-135.
4. Altun, M., Bergman, E., Edstrom, E., **Johnson, H.** and B. Ulfhake (2007) Behavioral impairments of the aging rat. *Physiol. Behav.* 92: 911-923.
5. Sommar, P., Pettersson, S., Ness, C., **Johnson, H.**, Kratz, G. and J. Junker (2010)

Engineering three-dimensional cartilage- and bone-like tissues using human dermal fibroblasts and macroporous gelatine microcarriers. *J Plast Reconstr Aesthet Surg.* 63:1036-46

6. Junker, J., Sommar, P., Skog, M., **Johnson, H.** and G. Kratz (2010) Adipogenic, chondrogenic and osteogenic differentiation of clonally derived human dermal fibroblasts. *Cells Tissues Organs.*191:105-18.

7. Seland, H., Gustafson, C.J., **Johnson, H.**, Kratz, G. and J. Junker (2011) Transplantation of acellular dermis and keratinocytes cultured on porous biodegradable microcarriers into full-thickness skin injuries on athymic rats. *Burns .* 37:99-108.

8.Sommar, P., Junker, J., Strandenes, E., Ness, C., Hansson, T., **Johnson, H.** and G. Kratz (2012) Osteogenically induced human dermal fibroblasts as a tool to regenerate bone. Accepted for publication in *J. Plast. Surg. Hand Surg.*

9. Moen, K., Lybak, S., **Johnson, H.**, Seland, H., Størksen, K., Johannessen, A.C., Kråkenes, J., Tornes, K. And S. Løes (2012) Orbital reconstruction after resection of giant calcifying cystic odontogenic tumor of mid-face. *J Oral Maxillofac Surg* 70:233-241.

List of total career publications

1.Arvidsson, U., **Johnson, H.**, Piehl, F., Cullheim, S., Hökfelt, T., Risling, M., Terenius, L. and Ulfhake, B. (1990) Peripheral nerve section induces increased levels of calcitonin gene-related peptide (CGRP)-like immunoreactivity in axotomized motoneurons. *Exp. Brain Res.* 79:212-216.

#2. Piehl, F., Arvidsson, U., **Johnson, H.**, Cullheim, S., Villar, M., Dagerlind, Å., Terenius, L., Hökfelt, T. and Ulfhake, B. (1991) Calcitonin gene-related peptide (CGRP) -like immunoreactivity and CGRP mRNA in rat spinal cord motoneurons after different types of lesions. *Eur. J. Neurosci.* 3:737-757.

3. Piehl, F., Arvidsson, U., **Johnson, H.**, Dagerlind, Å., Hökfelt, T., Terenius, L., Ulfhake, B.(1992) Reappearance of calcitonin gene-related peptide-like immunoreactivity in the dorsal horn in long-term dorsal root transected rat. *Brain Res.* 585:400-404.

4. **Johnson, H.**, Hökfelt, T., B. Ulfhake (1992) Galanin- and CGRP-like immunoreactivity coexist in young adult and aged rat spinal motoneurons. *Neuroreport* 3:303-306.

#5. **Johnson, H.**, Mossberg, K. and B. Ulfhake (1993) The size number and fluorescence intensity of 5HT -immunoreactive axon terminals in the aged rat lumbar spinal cord motor nucleus as revealed by confocal fluorescence microscopy and computerized 3D image analysis. In: A companion to methods in neurosciences. B.Ulfhake, K.Mossberg, K.Carlsson eds. *Neuroprotocols* 2:101-112.

#6. **Johnson, H.**, Ulfhake, B., Dagerlind, Å., Bennet, J.F, Fone, F.P. and T. Hökfelt (1993) The serotonergic bulbospinal system and brainstem-spinal cord content of serotonin-, TRH-, and substance P-like immunoreactivity in the aged rat with special reference to the spinal cord motor nucleus. *Synapse* 15:63-89.

7. Piehl, F., Arvidsson, U., **Johnson, H.**, Cullheim, S., Dagerlind, Å., Ulfhake, B., Cao, Y., Elde, R., Pettersson, R.F., Terenius, L., Hökfelt, T. (1993) Gap-43, aFGF, CCK, α - and β -CGRP in rat spinal motoneurons subjected to axotomy and/or dorsal root severence. *Eur. J. Neurosci.* 5:1321-1333.

#8. **Johnson, H.**, Mossberg, K., Arvidsson, U., Piehl, F., Hökfelt, T. and B. Ulfhake (1995) Increase in α -CGRP and GAP-43 in aged motoneurons: A study of peptides, growth-factors and ChAT mRNA in the lumbar spinal cord of senescent rats with symptoms of hind limb incapacities. *J. Comp. Neurol.* 359:69-90.

- #9. Meister, B., **Johnson, H.**, and B. Ulfhake (1995) Increased expression of serotonin transporter mRNA in raphe neurons of the aged rat *Mol. Brain Res.* 33:87-96.
- #10. **Johnson, H.**, Hökfelt T. and B. Ulfhake (1996) Decreased expression of TrkB-, TrkC-mRNAs in spinal motoneurons of aged rats *Eur. J. Neurosci.* 8:494-499.
11. Bergman, E., **Johnson, H.**, Zhang, X., Hökfelt, T., and B. Ulfhake (1996) Neuropeptides and neurotrophin receptor mRNAs in primary sensory neurons of aged rats. *J. Comp. Neurol.* 375:303-320.
12. Kullberg, S., Ramírez-Léon, V., **Johnson, H.** and B. Ulfhake (1998) Decreased axosomatic input to motoneurons and astrogliosis in the spinal cord of aged rats. *J. Gerontol. :Biol. Sci.* 53, No. 5: 369-379.
- #13. **Johnson, H.**, Hökfelt T. and B. Ulfhake (1999) Expression of p75NTR, trkB and trkC in axotomized and nonmanipulated motoneurons of aged rats. *Mol. Brain Res.* 69: 21-34.
14. Ulfhake, B., Bergman, E., Edström, E., Fundin, B., **Johnson, H.**, Kullberg, S. and Y. Ming (2000) Regulation of neurotrophin signaling in aging sensory and motoneurons: dissipation of target support? *Mol. Neurobiol.* 3: 109-135.
15. Huss, F.R., Junker, J.P, **Johnson H.** and G. Kratz (2007) 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.* 60:543-555.
16. Gustafson, C.J., Birgisson, A., Junker, J., Huss, F., Salemark, L., **Johnson, H.** and G. Kratz (2007) Employing human keratinocytes cultured on macroporous gelatin spheres to treat full thickness-wounds: An in vivo study on athymic rats. *Burns* 33:726-735.
17. Edstrom, E., Altun, M., Bergman, E., **Johnson, H.**, Kullberg, S., Ramirez-Leon, V. and B. Ulfhake (2007) Factors contributing to neuromuscular impairment and sarcopenia during aging. *Physiol. Behav.* 92:129-135.
18. Altun, M., Bergman, E., Edstrom, E., **Johnson, H.** and B. Ulfhake (2007) Behavioral impairments of the aging rat. *Physiol. Behav.* 92: 911-923.
19. Sommar, P., Pettersson, S., Ness, C., **Johnson, H.**, Kratz, G. and J. Junker (2010) Engineering three-dimensional cartilage- and bone-like tissues using human dermal fibroblasts and macroporous gelatine microcarriers. *J Plast Reconstr Aesthet Surg.* 63:1036-46.
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21. Seland, H., Gustafson, C.J., **Johnson, H.**, Kratz, G. and J. Junker (2011) Transplantation of acellular dermis and keratinocytes cultured on porous biodegradable microcarriers into full-thickness skin injuries on athymic rats. *Burns.* 37: 99-108.
22. Sommar, P., Junker, J., Strandenes, E., Ness, C., Hansson, T., **Johnson, H.** and G. Kratz (2012) Osteogenically induced human dermal fibroblasts as a tool to regenerate bone. Accepted for publication in *J Plast Surg Hand Surg* 47: 8-13.
23. Moen, K., Lybak, S., **Johnson, H.**, Seland, H., Størksen, K., Johannessen, A.C., Kråkenes, J., Tornes, K. And S. Løes (2012) Orbital reconstruction after resection of giant calcifying cystic odontogenic tumor of mid-face. *J Oral Maxillofac Surg* 70:233-241.
24. Holom, G.H., Seland, H., Strandenes, E., Liavaag, P.G., Lybak, S., Løes, S., Tornes, K. and **H.N. Vintertun** (2013) Head and neck reconstruction using microsurgery : a 9-year retrospective study. *Eur Arch Otorhinolaryngol* Feb 16. (Epub ahead of print).

= Included in thesis “Johnson, H. (1998) Spinal motoneurons and the bulbospinal serotonergic system in aged rats with behavioral deficits. Thesis, Karolinska Institutet, Stockholm.”

List of review articles

1. Hökfelt, T., Arvidsson, U., Ceccatelli, S., Cortés, R., Cullheim, S., Dagerlind, Å., **Johnson, H.**, Orazzo, C., Piehl, F., Pieribone, V. Schalling, M., Terenius, L., Ulfhake, B., Verge, V. M., Villar, M., Wiesenfeld-Hallin, Z., Xu, X.-J. and Zhang, Y. (1992) Calcitonin gene-related peptide in the brain, spinal cord and some peripheral systems. In: Calcitonin gene-related peptide; The first decade of a novel pleiotropic neuropeptide. Y. Taché, P. Holzer, M.G. Rosenfeld, eds. N.Y. Acad. of Sci. 657:119-134.
2. Arvidsson, U., Piehl, F., **Johnson, H.**, Ulfhake, B., Cullheim, S. and Hökfelt, T. (1993) The peptidergic motoneurone. Neuroreport 4:849-856.