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Work-related musculoskeletal disorders

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## Research

Technical measurements of ergonomic exposure

## Employment

### Research engineer

Division of Occupational and Environmental Medicine, Lund University

Lund University

Lund, Sweden

2015 Sept 21 → present

### Research engineer

Work-related musculoskeletal disorders

Lund University

Lund, Sweden

2016 Dec 5 → present

## Research output

### Frequency of breaks, amount of muscular rest, and sustained muscle activity related to neck pain in a pooled dataset

Koch, M., Forsman, M., Enquist, H., Baare Olsen, H., Sjøgaard, K., Sjøgaard, G., Østensvik, T., Nilsen, P., Andersen, L. L., Due Jacobsen, M., Brandt, M., Westgaard, R., Mork, P. J., Fan, X., Wærsted, M. & Veiersted, K. B., 2024, In: PLoS ONE. 19, 6, p. 1-22 e0297859.

### Reply to Letter to the Editor, by Mikael Forsman, Xuelong Fan, Ida-Märta Rhen and Carl Mikael Lind

Arvidsson, I., Dahlqvist, C., Enquist, H. & Nordander, C., 2022 Jan, In: Annals of Work Exposures and Health. 66, 1, p. 132 1 p.

### PEPPA - Exchange Platform for Measurements of Occupational Physical Activity and Physical Workload

Schiefer, C., Schellewald, V., Heßling, S., Hermanns-Truxius, I., Desbrosses, K., Douwes, M., Draicchio, F., Enquist, H., Forsman, M., Gupta, N., Holtermann, A., Konemann, R., Lechner, N., Loewis, P., Mänttari, S., Mathiassen, S. E., Pinder, A., Schams, P., Schust, M. & Strebl, M. & 3 others, Veiersted, K. B., Weber, B. & Ellegast, R., 2022, *Proceedings of the 21st Congress of the International Ergonomics Association, IEA 2021: Methods and Approaches*. Black, N. L., Neumann, W. P. & Noy, I. (eds.). Springer Science and Business Media B.V., p. 175-182 8 p. (Lecture Notes in Networks and

Systems; vol. 223 LNNS).

**Action Levels for the Prevention of Work-Related Musculoskeletal Disorders in the Neck and Upper Extremities: A Proposal**

Arvidsson, I., Dahlqvist, C., Enquist, H. & Nordander, C., 2021, In: *Annals of Work Exposures and Health*. 65, 7, p. 741-747

**The effect of two types of maximal voluntary contraction and two electrode positions in field recordings of forearm extensor muscle activity during hotel room cleaning**

Dahlqvist, C., Enquist, H., Löfqvist, L. & Nordander, C., 2020, In: *International Journal of Occupational Safety and Ergonomics*. 26, 3, p. 595-602 8 p.

**Hairdressers' shoulder load when blow-drying – Studying the effect of a new blow dryer design on arm inclination angle and muscle pain**

Wærsted, M., Enquist, H. & Veiersted, K. B., 2019, In: *International Journal of Industrial Ergonomics*. 74, 102839.

**Self-recordings of upper arm elevation during cleaning - Comparison between analyses using a simplified reference posture and a standard reference posture**

Dahlqvist, C., Nordander, C., Forsman, M. & Enquist, H., 2018 Nov 15, In: *BMC Musculoskeletal Disorders*. 19, 1, 402.

**Biomechanical exposure of industrial workers – Influence of automation process**

Locks, F., Hansson, G. Å., Nogueira, H. C., Enquist, H., Holtermann, A. & Oliveira, A. B., 2018 Sept 1, In: *International Journal of Industrial Ergonomics*. 67, p. 41-52 12 p.

**Assessments of Physical Workload in Sonography Tasks Using Inclinometry, Goniometry, and Electromyography**

Simonsen, J. G., Dahlqvist, C., Enquist, H., Nordander, C., Axmon, A. & Arvidsson, I., 2018 Sept, In: *Safety and Health at Work*. 9, 3, p. 326-333

**Bör kunder vända streckkoden rätt i kassan?**

Vencel Jacobsson, M., Dahlqvist, C., Enquist, H. & Arvidsson, I., 2018.

**Har EAN-kodens placering någon betydelse för arbetsbelastningen vid kassaarbete? Rapport nr 2**

Vencel Jacobsson, M., Dahlqvist, C., Enquist, H. & Arvidsson, I., 2018, *Arbets- och miljömedicin Syd*. 10 p.

**A practical guidance for assessments of sedentary behavior at work: A PEROSH initiative**

Holtermann, A., Schellewald, V., Mathiassen, S. E., Gupta, N., Pinder, A., Punakallio, A., Veiersted, K. B., Weber, B., Takala, E.-P., Draicchio, F., Enquist, H., Desbrosses, K., García Sanz, M. P., Malińska, M., Villar, M., Wichtl, M., Strelb, M., Forsman, M., Lusa, S. & Tokarski, T. & 2 others, Vang Hendriksen, P. & Ellegast, R., 2017 Sept, In: *Applied Ergonomics*. 63, p. 41-52 12 p.

**Arbetsbelastning vid städning av hotellrum**

Dahlqvist, C., Granqvist, L., Löfqvist, L., Enquist, H., Nordander, C. & Forsman, M., 2017 Mar 27, *Arbets- och miljömedicin*. 25 p. (Rapportserie: Arbets- och miljömedicin; vol. 2017, no. 4)

**Mätning av arbetsbelastning för höger överarm vid kontorsstädning**

Dahlqvist, C., Enquist, H., Nordander, C. & Forsman, M., 2016 Jun 27, *Arbets- och miljömedicin*. 8 p. (Rapportserie: Arbets- och miljömedicin; vol. 2016, no. 12)

**Hälsorelaterad miljöövervakning Cancerframkallande ämnen i tätortsluft : Personlig exponering och bakgrundsmätning Malmö 2014**

Stroh, E., Enquist, H. & Riddar, J., 2015, Lund: Lund University. 1 p.

**From Idea to Use: Lessons Learned From a Participatory ICT Healthcare Case Study**

Enquist, H., 2011, *Smart Healthcare Applications and Services: Developments and Practices: Developments and Practices*. Röcker, C. & Ziefle, M. (eds.). Hershey: IGI Global, p. 75-91 17 p.

### **The I in Design**

Enquist, H., 2009, 290 p.

### **A socio-material ecology of the distributed self**

Enquist, H., 2008, In: Design Philosophy Papers. 2

### **Intuition in Design and Emotion – Transforming raw data into conclusions, a meta-analysis of the 2006 Design and Emotion conference papers.**

Enquist, H. & Nordgren, C., 2008, [Host publication title missing]. Desmet, P., Tzvetanova, S., Hekkert, P. & Justice, L. (eds.). Design and Emotion Society, 12 p.

### **The Memory Stone: A Personal ICT Device in Health Care**

Enquist, H. & Tollmar, K., 2008, *Proceedings of the 5th Nordic Conference on Human-computer Interaction: Building Bridges*. New York: Association for Computing Machinery (ACM), p. 103-112 10 p.

### **Bridging the gap between clinical and patient-provided images**

Enquist, H., 2007, *Visual Literacy*. Elkins, J. (ed.). Routledge, p. 145-163

### **Interaction Ecologies**

Enquist, H., Tollmar, K. & Vonge Corry, A., 2007, *Workshop proceedings from the Fifth International Conference on Pervasive Computing*.

### **Narcissus's new mirror: Body images and meaning**

Enquist, H., 2007, In: Crossings (Dublin): ): electronic journal of art and technology. 5, 1

### **Självbiografiskt skapande**

Enquist, H., 2007

### **Design side by side**

Jönsson, B., Anderberg, P., Brattberg, G., Breidegard, B., Efring, H., Enquist, H., Inde, K., Mandre, E., Nordgren, C., Svensk, A. & Whitelock, I., 2006, Studentlitteratur AB. 204 p.

### **Alternative visualizations in medicine**

Enquist, H., 2005, *Experiments in Art and Technology*. Studies in Art and Communication, K3, Vol. 4.

### **Bridging the gap between clinical and patient-provided images**

Enquist, H., 2005, *The First Conference in Visual Literacy*. 15 p.

### **Människonära design**

Jönsson, B., Anderberg, P., Brattberg, G., Breidegard, B., Efring, H., Enquist, H., Inde, K., Mandre, E., Nordgren, C., Svensk, A. & Whitelock, I., 2005, Studentlitteratur AB. 196 p.

### **Situated research and design for everyday life**

Jönsson, B., Svensk, A., Malmberg, L., Anderberg, P., Brattberg, G., Breidegard, B., Efring, H., Enquist, H., Flodin, E., Gustafsson, J., Magnusson, C., Mandre, E., Nordgren, C. & Rassmus-Gröhn, K., 2005, *Proceedings of Nordes, Nordic Design Research*. 11 p.

### **Upplevelser av ett dubbelt medborgarskap: Metod och praktik. Texter om forskning och utvecklingsarbete inom det konstnärliga området.**

Enquist, H., 2005, *Årsbok 2005 om Konstnärligt FoU*. Vetenskapsrådet

### **Emotional images in medicine**

Enquist, H., 2004, *Fourth International Conference on Design and Emotion*.

### **Konsten genomskådad? Forskning, Reflektion, Utveckling**

Enquist, H. & Karlsson, H., 2004, Vetenskapsrådet & Stiftelsen Riksbankens Jubileumsfond.

### **Mina medicinska bilder**

Enquist, H., 2004, [Publisher information missing]. (Certec; vol. 4)

### **Pictures in medicine: Their use in patient centered diagnosis, treatment and feedback**

Enquist, H., 2004, Lund University. (Certec; vol. 4)

### **Situated research and design for everyday life**

Jönsson, B., Malmborg, L., Svensk, A., Anderberg, P., Brattberg, G., Breidegard, B., Efring, H., Enquist, H., Flodin, E., Gustafsson, J., Magnusson, C., Mandre, E., Nordgren, C. & Rasmus-Gröhn, K., 2004, [Publisher information missing]. 70 p. (Certec; vol. 2)

### **Diagnosis of bladder carcinoma using protoporphyrin IX fluorescence induced by 5-aminolaevulinic acid**

Koenig, F., McGovern, F. J., Larne, R., Enquist, H., Schomacker, K. T. & Deutsch, T. F., 1999, In: *BJU International*. 83, 1, p. 129-135 7 p.

### **Autofluorescence guided biopsy for the early diagnosis of bladder carcinoma**

Koenig, F., McGovern, F. J., Enquist, H., Larne, R., Deutsch, T. F. & Schomacker, K. T., 1998 Jun, In: *Journal of Urology*. 159, 6, p. 1871-1875 5 p.

### **Spectroscopic measurement of diffuse reflectance for enhanced detection of bladder carcinoma**

Koenig, F., Larne, R., Enquist, H., McGovern, F. J., Schomacker, K. T., Kollias, N. & Deutsch, T. F., 1998, In: *Urology*. 51, 2, p. 342-345 4 p.