

# Juulia T. Suvilehto

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## CURRENT POSITION

10/2018 - Postdoctoral Researcher, Department of Psychiatry  
University of Oxford, UK

## EDUCATION

- 2018 Doctor of Science in Technology, Pass with Distinction  
Systems Neuroscience, Aalto University, Finland
- 2014 Master of Science in Technology, Pass with Distinction  
Major: Bioinformation Technology. Minors: Cognitive Science, Usability.  
Aalto University School of Electrical Engineering
- 2013 Bachelor of Science in Technology  
Major: Bioinformation Technology. Minor: Cognitive Science.  
Aalto University School of Electrical Engineering

## PUBLICATIONS

### PEER-REVIEWED JOURNAL ARTICLES

Tarja Heiskanen, Mika Leppä, **Juulia T. Suvilehto**, Minna Elomaa, Ethem Akural, Tekla Larinkoski, Iiro P. Jääskeläinen, Mikko Sams, Lauri Nummenmaa. (in press) *The opioid agonist remifentanyl increases subjective pleasure*. British Journal of Anaesthesia.

Lauri Nummenmaa, **Juulia T. Suvilehto**, Enrico Glerean, Pekka Santti & Jari K. Hietanen. (2016) *Topography of Human Erogenous Zones*. Archives of Sexual Behavior. 45 (5) 1207-1216. doi:10.1007/s10508-016-0745-z

**Juulia T. Suvilehto**, Enrico Glerean, Robin Dunbar, Riitta Hari & Lauri Nummenmaa. (2015) *Social Touch Depends on Emotional Bonds between Humans*. Proceedings of the National Academy of Sciences of the United States of America. 112 (45) 13811-13816. doi:10.1073/pnas.1519231112

### MANUSCRIPTS IN PREPARATION

**Juulia T. Suvilehto**, Ville Renvall, Lauri Nummenmaa. (Submitted) *Relationship-specific encoding of social touch in somatosensory and insular cortices*.

**Juulia T. Suvilehto**, Lauri Nummenmaa, Enrico Glerean, Tokiko Harada, Robin Dunbar, Riitta Hari, Robert Turner, Norihiro Sadato, Ryo Kitada. (Submitted) *Cultural Universalism in Social Touch*.

## CONFERENCE PRESENTATIONS

Acute pain attenuates emotional experience in the body. (2018) Talk at the 7th Consortium of European Research on Emotion (CERE) Conference. Glasgow, UK.

Social touch is relationship-specific for children and adults. (2018) Talk at the 1st International Symposium for Affective Touch in Children and Adolescents. Dresden, Germany.

Cultural Universalism in Social Touch. (2017) Poster at Doctoral Program Brain & Mind Symposium. Helsinki, Finland.

Cultural Universalism in Social Touch. (2017) Poster and Data Blitz talk at 2nd Congress of the International Association for the Study of Affective Touch. Liverpool, UK.

Relationship-specific encoding of social touch in the somatosensory cortices? (2016) Poster at 46th Meeting of the Society for Neuroscience. San Diego, CA, USA.

Topography of Human Erogenous Zones. (2015) Poster at Doctoral program Brain & Mind symposium. Kirkkonummi, Finland.

U Can't Touch This: Spatial Topography of Social Touching. (2014) Poster at 1st Annual Meeting of The Society for Affective Sciences. Washington DC, USA.

## THESES

Juulia T. Suvilehto. (2018) Maintaining social bonds via touching: A cross-cultural comparison. Doctoral dissertation.

Juulia Suvilehto. (2014) Using Bring-your-own Device Model in Clinical Trials to Capture Patient-reported Outcomes. Master's thesis.

Juulia Suvilehto. (2010) Emootioiden ja kuuden persoonallisuusmittarin korrelaatio katsottaessa tunteita herättäviä elokuvaotteita. Bachelor's thesis.

## RESEARCH FUNDING

2017	Personal Grant, Alfred Kordelin Foundation	24.000 eur
2016	Young Researcher Grant, Emil Aaltonen foundation	28.250 eur
2015	Young Researcher Grant, Emil Aaltonen foundation	28.250 eur
2014	Young Researcher Grant, Emil Aaltonen foundation	26.500 eur

## PRIZES, AWARDS, AND HONOURS

2019	Aalto University Dissertation Award for exceptionally distinguished dissertation	3.000 eur
2016-'18	Travel Awards, Doctoral program Brain & Mind	2.150 eur
2017	Aalto School of Science Scientific Communication Award awarded to the Brain Twitter Conference #brainTC team	500 eur
2017	Finnish science communication award, Liikutu Tiedosta, awarded to Brain Twitter Conference #brainTC	3.000 eur
2015	Best Poster Award, Doctoral program Brain & Mind symposium	200 eur

## RESEARCH EXPERIENCE

- 03/2014 - Doctoral Candidate  
 11/2018 Department of Neuroscience and Biomedical Engineering (NBE),  
 Aalto University School of Science
- 05/2017 - Doctoral Student, Turku PET Centre,  
 06/2018 University of Turku, Turku, Finland
- 10/2017 - Visiting Researcher, Department of Experimental Psychology,  
 03/2018 University of Oxford, Oxford, United Kingdom.
- 09/2016 Visiting Researcher, Department of Psychology,  
 University of Cambridge, Cambridge, United Kingdom
- 03/2015 Visiting Researcher, Department of Neuroscience & Imaging,  
 University G. d'Annunzio, Chieti, Italy
- 07/2013 - Research Assistant,  
 02/2014 Laboratory of Biomedical Engineering and Computational Sciences  
 (BECS), Aalto University School of Science

## TEACHING AND MENTORING EXPERIENCE

### AALTO UNIVERSITY

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|--|----------------------------|
| Teaching Assistant in Experimental and Statistical Methods in<br>Biological Sciences I<br>5 ECTS credits, Master's level   | 2015 - 2016<br>fall term   |
| Teaching Assistant in Experimental and Statistical Methods in<br>Biological Sciences II<br>5 ECTS credits, Master's level<br>Effectively acted as Instructor of Record, although due to University<br>policies the official title for the role was TA. | 2015<br>spring term        |
| Teaching Assistant in Introduction to Cell Biology<br>6 ECTS credits, Bachelor's level   | 2010 - 2012<br>spring term |

### SUPERVISED RESEARCH ASSISTANTS (B.SC./M.SC. STUDENTS)

- 2017 Ana Triana Hoyos  
 2015 - 2016 Timo Vehviläinen  
 2014 - 2015 Tekla Larinkoski  
 2014 Anna Anttalainen

### SUPERVISED BACHELOR'S THESES (AALTO UNIVERSITY)

- 2015 Roope Vesterinen: Toisen välityksellä koetun kivun aivovaste  
 2014 Tuomas Alakörkkö: Emootioiden aiheuttamat muutokset ihmiskehon  
 lämpötilassa  
 2013 Joonas Tietäväinen: Sosiaalinen koskettaminen viestinnän muotona

## INVITED TALKS

2016

Quantifying relationship-specificity of social touch. *Emotion and Social Cognition Lab*, Division of Biology and Biological Engineering, Caltech. Pasadena, California, US. November 2016.

Quantifying relationship-specificity of social touch. *The Somatosensory & Affective Neuroscience Group*, Research Centre in Brain and Behaviour, Liverpool John Moores University. Liverpool, United Kingdom. September 2016.

Quantifying relationship-specificity of social touch. *KatLab*, Research Department of Clinical, Educational and Health Psychology, University College London. London, United Kingdom. September 2016.

## OUTREACH

2018      Speaker at PubhD Oxford

2017      Poster presentation at the Brain Awareness Week poster exhibition at University of Helsinki

2016 -      Scientists in Schools project in Aalto University.

2017      Visiting primary, secondary and upper secondary schools to talk about research.

## MEDIA COVERAGE (SELECTED)

2019      Tunteiden tiistai: miten koskettaminen edistää terveyttämme? *Yle Radio Suomi (radio)*

2018      Paijaaminen tekee terveemmäksi (Minä väitän -sarja), *Helsingin Sanomat*

2017      Sormenpäät kertovat, *Tekniikan Maailma*  
Miksi suomalaisilla on suuri oman tilan tarve?, *Helsingin Sanomat*  
Tutkimuksen yllättävä tieto paljastaa suomalaiset koskettelevaksi kansaksi, *Länsi-Suomi*  
Olisitko valmis maksamaan halauksesta?, *Yle (online)*  
Mitä kosketus ihmiselle tekee, *Puoli Seitsemän, Yle TV1*

2015      These Body Maps Show Where We Like To Be Touched, And Where We Don't, *The Huffington Post (online)*  
¿Te puedo tocar? cómo, dónde y cuándo es aceptable el contacto físico, *BBC Mundo (online)*

## PROFESSIONAL WORK EXPERIENCE

2013      Associate Product Manager, CRF Health  
Master's thesis position in Health Outcomes. Investigated the suitability of using subjects' own devices (BYOD) in capturing electronic Clinical Outcome Assessments (eCOA) in clinical trials from practical and regulatory perspectives.

2011- Junior Bioinformatician, Euformatics Oy  
 2012 Designed and implemented data analysis and data management software for biologists and doctors working with gene sequencing data. Trained end users and acted as technical support.

## PROFESSIONAL TRAINING

2017 - English for Academic Studies: Academic Writing (2 terms)  
 2018 Oxford University

2017 AI!Peda Intro, Pedagogical course (5 ECTS)  
 Aalto University

2015 Connectivity Course: Structural and Functional Brain Connectivity via MRI and fMRI  
 MGH/HST Athinoula A Martinos Center for Biomedical Imaging

## ORGANISATION OF SCIENTIFIC MEETINGS

2018 Volunteer at the Annual Meeting of the Social & Affective Neuroscience Society, Brooklyn, USA.

2018 Organiser at the second Brain research Twitter conference (#brainTC)  
 8th March 2018

2017 Organiser at the inaugural Brain research Twitter conference (#brainTC)  
 20th April 2017

2015 Organiser at Attending and Neglecting People, Tuusula, Finland  
 Part of Attention and Performance series

## RELATED PROFESSIONAL SKILLS

Languages	Reading	Speaking	Writing
Finnish	native	native	native
English	fluent	fluent	fluent
Swedish	good	conversational	intermediate
German	can read with dictionary	beginner	beginner

  

Data-analysis tools	Experience	Specific toolboxes	Other tools
Matlab (and Octave)	> 8 years of active use	SPM  Statistics & Machine Learning toolbox	Git  Html, php, css

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Data-analysis tools	Experience	Specific toolboxes	Other tools
R	5 years of active use	ggplot psych	Java Slurm Subversion
Python	2 years of increasingly active use	Nibabel Nilearn NumPy Scikit-learn SciPy PyMVPA	Code repository available at <a href="https://version.aalto.fi/gitlab/jtsuvile">https://version.aalto.fi/gitlab/jtsuvile</a>
Fsl	< 1 year		