

# Curriculum Vitae

Peder M Isager

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## Education

**2017-2022 Doctor's degree;** Eindhoven University of Technology

Specializations: Research methods, statistics, replication.

Thesis title: *Deciding what to replicate.*

Thesis link: [https://pure.tue.nl/ws/portalfiles/portal/200554284/20220524\\_Isager\\_hf.pdf](https://pure.tue.nl/ws/portalfiles/portal/200554284/20220524_Isager_hf.pdf).

Supervisors: Daniël Lakens, Anna van 't Veer, Chris Snijders.

**2015-2017 Master's degree, Cognitive Neuroscience;** University of Oslo

Specializations: Psychopharmacology, fMRI.

Thesis title:  *$\mu$ -Opioid Modulation of Reported Wanting of Palatable Food Images.*

Thesis link: <https://doi.org/10.31237/osf.io/8nvvb9>.

Supervisors: Siri Leknes, Marie Eikemo, Tom Johnstone.

**2012-2015 Bachelor's degree, Psychology;** University of Oslo

Specializations: cognitive psychology, social psychology.

Thesis title: *Cognitive representation of social status hierarchies.*

Thesis link: <https://doi.org/10.31237/osf.io/w6qkv>.

Supervisor: Thomas W. Schubert.

## Employment history

**2021-present Associate professor;** Oslo New University College

Employed at the department of Psychology. Main responsibilities: develop and teach quantitative research methods course at the masters level, supervise master student projects, act as department superuser for research software services, conduct independent research.

**2017-2021 Doctoral candidate (paid position);** Eindhoven University of Technology

PhD position funded by VIDI Grant 452-17-013 - “Increasing the Reliability and Efficiency of Psychological Science” - from the Netherlands Organisation for Scientific Research. Conducted independent research and assisted with teaching.

**2017 Research assistant, [Center for Social and Affective Neuroscience](#);** Linköping University

Two-month funded RA position. Assisted with experiment logistics, data collection, and analysis in project studying social touch in human subjects.

**2015-2017 Research assistant, [Leknes Affective Brain Lab](#);** University of Oslo

Internship with a wide range of responsibilities, including: Collection and analysis of more than 100 fMRI datasets along with physiological and behavioral data; Responsible for organizing lab meetings; Presentation of data at international scientific meetings; Peer review of papers in international journals; etc.

**2014-2017 Research assistant, Thomas W. Schubert;** University of Oslo

Responsibilities including: Developing reaction time paradigm on Qualtrics for the MTurk platform; Assisting with setup of Virtual Reality laboratory; Assisting literature search.

## Publications

### 2023

**Isager, P. M.**, Lakens, D., van Leeuwen, T., & van’t Veer, A. E. (2024). Exploring a formal approach to selecting studies for replication: A feasibility study in social neuroscience. *Cortex*, 171, 330-346.

Buchanan, E. M., Lewis, S. C., Paris, B., Forscher, P. S., Pavlacic, J. M., Beshears, J. E., ... **Isager, P. M.**, ... & Vega, D. (2023). The Psychological Science Accelerator’s COVID-19 rapid-response dataset. *Scientific data*, 10(1), 87.

Pittelkow, M. M., Field, S. M., **Isager, P. M.**, van’t Veer, A. E., Anderson, T., Cole, S. N., ... & Van Ravenzwaaij, D. (2023). The process of replication target selection in psychology: what to consider?. *Royal Society Open Science*, 10(2), 210586.

### 2022

Dorison, C. A., Lerner, J. S., Heller, B. H., Rothman, A. J., Kawachi, I. I., Wang, K., ... **Isager, P. M.**, ... & Pantazi, M. (2022). In COVID-19 health messaging, loss framing increases anxiety with little-to-no concomitant benefits: Experimental evidence from 84 countries. *Affective science*, 3(3), 577-602.

McIntyre, S., Hauser, S. C., Kusztor, A., Boehme, R., Mounbou, A., **Isager, P. M.**, ... & Olausson, H. (2022). The language of social touch is intuitive and quantifiable. *Psychological Science*, 33(9), 1477-1494.

### 2021

Wang, K., Goldenberg, A., Dorison, C. A., Miller, J. K., Uusberg, A., Lerner, J. S., ... **Isager, P. M.**, ... & Štrkelj, E. (2021). A multi-country test of brief reappraisal interventions on emotions during the COVID-19 pandemic. *Nature human behaviour*, 5(8), 1089-1110.

**Isager, P. M.**, van Aert, R. C. M., Bahník, Š., Brandt, M. J., DeSoto, K. A., Giner-Sorolla, R., . . . Lakens, D. (2021). Deciding what to replicate: A Decision Model for Replication Study Selection Under Resource and Knowledge Constraints. *Psychological Methods*, <https://doi.org/10.1037/met0000438>

Buchanan, E. M., Crain, S. E., Cunningham, A. L., Johnson, H. R., Stash, H., Papadatou-Pastou, M., . . . **Isager, P. M.**, . . . & Aczel, B. (2021). Getting Started Creating Data Dictionaries: How to Create a Shareable Data Set. *Advances in Methods and Practices in Psychological Science*, 4(1), 2515245920928007.

## 2020

**Isager, P. M.** (2020, September 28). Test validity defined as d-connection between target and measured attribute: Expanding the causal definition of Borsboom et al. (2004). *PsyArxiv* <https://doi.org/10.31234/osf.io/btgsr>

Scheel, A. M., Tiokhin, L., **Isager, P. M.**, & Lakens, D. (2020). Why hypothesis testers should spend less time testing hypotheses. *Perspectives on Psychological Science*, 1745691620966795.

Botvinik-Nezer, R., Holzmeister, F., Camerer, C. F., Dreber, A., Huber, J., Johannesson, M., . . . , **Isager, P. M.**, . . . & Avesani, P. (2020). Variability in the analysis of a single neuroimaging dataset by many teams. *Nature*, 582, 84–88, <https://doi.org/10.1038/s41586-020-2314-9>

Lakens, D., McLatchie, N., **Isager, P. M.**, Scheel, A. M., & Dienes, Z. (2020). Improving inferences about null effects with Bayes factors and equivalence tests. *The Journals of Gerontology: Series B.*, gby065, <https://doi.org/10.1093/geronb/gby065>

## 2019

McIntyre, S., Mounbou, A., Boehme, R., **Isager, P. M.**, Lau, F., Israr, A., . . . & Olausson, H. (2019, July). Affective touch communication in close adult relationships. In *2019 IEEE World Haptics Conference (WHC)* (pp. 175-180). IEEE.

## 2018

Moshontz, H., Campbell, L., Ebersole, C. R., IJzerman, H., Urry, H. L., . . . , **Isager, P. M.**, . . . Chartier, C. R. (2018). The Psychological Science Accelerator: Advancing Psychology Through a Distributed Collaborative Network. *Advances in Methods and Practices in Psychological Science*, 1(4), 501–515. <https://doi.org/10.1177/2515245918797607>

Holmgren, J.\*, **Isager, P. M.**\*, Schubert, T. W. (2018). Evidence for magnitude representations of social hierarchies: Size and distance effects. *PLOS ONE* 13(9), e0203263. <https://doi.org/10.1371/journal.pone.0203263>. \*Joint first-authors

Coles, N., Tiokhin, L., Scheel, A. M., **Isager, P.**, & Lakens, D. (2018). The costs and benefits of replication studies. *Behavioral and Brain Sciences*, 41, [e124]. DOI: 10.1017/S0140525X18000596

Lakens, D., Scheel, A. M., & **Isager, P. M.** (2018). Equivalence Testing for Psychological Research: A Tutorial. *Advances in Methods and Practices in Psychological Science*, 1(2), 259–269. <https://doi.org/10.1177/2515245918770963>

Løseth, G. E., Eikemo, M., **Isager, P.**, Holmgren, J., Laeng, B., Vindenes, V., . . . & Leknes, S. (2018). Morphine reduced perceived anger from neutral and implicit emotional expressions. *Psychoneuroendocrinology*, 91, 123-131. DOI: 10.1038/s41562-018-0311-x

Lakens, D., Adolphi, F. G., Albers, C. J., Anvari, F., Apps, M. A., . . . **Isager, P. M.**, . . . & Buchanan, E. M. (2018). Justify your alpha. *Nature Human Behaviour*, 2(3), 168.

## Invited talks

- 2023 Causal direction and feedback in network theories of mental disorder;** University of Amsterdam
- 2023 Deciding which studies to replicate;** University of Oslo
- 2022 Deciding which studies to replicate;** Aarhus University
- 2022 Deciding which studies to replicate;** University of Oslo
- 2020 Deciding what to replicate;** University of Groningen
- 2020 What is worth replicating? Formalizing a core decision problem in replication research;** University of Cambridge
- 2020 Choosing what to replicate: Efficient study selection in the modern age;** Rotterdam RIOTS club. Link to online recording: <https://www.youtube.com/watch?v=0j-nKDCPcRQ>
- 2019 Sharing data via the Open Science Framework;** Eindhoven University of Technology
- 2018 Metascience, ontologies, and me;** VU Amsterdam
- 2018 Innovations in research methods: Nuances in best practices;** University of Oslo

## Conferences

### Organization

- 2020 Symposium chair;** Berlin, Germany  
Chaired and helped organize symposium at the Reward|EQUATOR conference, held at Charité, Berlin.
- 2016 Head organizer of dept. research symposium;** University of Oslo  
Local symposium communicating department research projects to students. Responsibilities: Securing funding; Recruiting speakers; Promotion; Event logistics, project presentation at event.

### Presentations

- 2020 Psychological Science Accelerator Conference 2020;** Online  
Silan, M., Isager, P. M., Szabelska, A., almedia, I., Pfuhl, G. *Theory and Measurement Projects - Possible Submission Types?*
- 2020 Reward|EQUATOR conference;** Berlin, Germany  
Isager, P. M. *Quantifying the replication value of research findings: Increase the return on investment in replication research.*
- 2019 Tilburg Meta-Research Day;** Tilburg, Netherlands  
Isager, P. M., van Assen, M. *How can meta-research improve the Psychological Science Accelerator (PSA) and how can the PSA improve meta-research?*
- 2019 ZPID Open Science;** Trier, Germany  
Isager, P. M. *Quantifying replication value: A formula-based approach to study selection in replication research*

**2017 International Convention of Psychological Science; Vienna, Austria**

Isager P. M., Holmgren J, Schubert T.W. *Social status as magnitude: The distance effect in social hierarchies. Part of the symposium Space for Cognition: Consequences of Biases in Spatial Cognition.*

**Posters**

**2019 Society for the Improvement of Psychological Science; Rotterdam, Netherlands**

**Peder M. Isager**, Anna van 't Veer, Tobias Nosten, Els Janson, Daniël Lakens. *Quantifying Replication Value: A guide in the decision of what to replicate.* Poster on OSF: <https://osf.io/92ecp>

**2016 Reading Emotions; Reading, United Kingdom**

**Isager P. M.**, Eikemo M, Holmgren J, Nilsen AS, Vindenes V, Johnstone T, Leknes S. *Effect of morphine on hedonic evaluation of palatable food images in healthy humans.*

**2015 Center for Social and Affective Neuroscience, Inaugural symposium; Linköping, Sweden**

**Isager P. M.**, Eikemo E, Vindenes V, Leknes S. *Effects of  $\mu$ -opioid agonism on reward behavior: subjective liking and disliking of win/loss stimuli.*

**Abstracts**

**2020 Psychological Science Accelerator Conference 2020; Online**

Silan, M., **Isager P. M.** *Study Incubation as an Alternative to Standard Peer Review.*

**2018 Organization for Human Brain Mapping, annual meeting; Singapore**

Eikemo, M., **Isager, P. M.**, Lie, S. Ø., Holmgren, J., Nilsen, A. S., Ernst, G., Vindenes, V., Hjørnevik, T., Leknes, S., Johnstone, T., *Bayes Factor analysis of pulse, respiration and BOLD signal changes following a low analgesic dose of morphine.*

**2018 51. Kongress de DGPs; Frankfurt am Main, Germany**

Scheel, A. M., **Isager, P. M.**, Lakens, D., *Equivalence Testing for Psychological Research.*

**2018 Society for Social Neuroscience, annual meeting; San Diego, United States**

McIntyre, S., Hauser, S.C., Homman, L., Kusztor, A., Isager, P. M., Mounbou, A., Nagi, S., Israr, A., Gerling, G. J., Olausson, H., *Standardised gestures can be used for interpersonal touch communication.*

**Media outreach**

**2023 Hva er egentlig en psykisk lidelse?; Psykt Interessant (Podcast, Norwegian)**

**2018 Solving big problems with big collaborations in psychological research; Psykologisk Tidsskrift (Norwegian)**

**2018 SpecialiTea 5 - Peder; ReproducibiliTea (Podcast)**

**Teaching experience**

- Master student supervision (ONH and TU/e)
- Applied quantitative research methods (ONH MA course. Course administrator)
- Advanced Cognition (TU/e MA course. One lecture each year for two years)

- Bachelor End Project - Human Technology Interaction (TU/e BA course. Five bachelor projects supervised and graded)
- Brain, Body and Behavior (TU/e BA course. Two lectures each year for two years, group supervision and exam grading)
- Introduction to the HTI domain (TU/e MA course. One lecture each year for two years)
- Quantitative Research methods (TU/e BA course. Group supervision and exam grading)
- Thinking and Deciding (TU/e MA course. Debate moderating and assignment grading)
- Software Carpentry workshop (TU/e workshop for employees. Assistance during R and Unix classes)

## Service experience

**2022 Assistant director of Data;** Psychological Science Accelerator

**2018-2022 Board member, Data & Methods committee;** Psychological Science Accelerator

Responsibilities include organization of committee meetings, voting, drafting and ratification of policy documents, and review of research proposals submitted to the organization.

**2017 Board member, Community Development Committee;** Thesis Commons

Contributed as volunteer board member to the launch of Thesis Commons, a preprint server powered by OSF Preprints. Primary contribution consisted of promoting the service to early adopters.

## Ad-hoc reviews

- Advances in Methods and Practices in Psychological Science
- Appetite
- CollabraOA
- Meta-psychology
- Nature Communications
- PAIN
- Psychological Methods
- Royal Society Open Science
- Social Cognitive and Affective Neuroscience

## Professional training

- Winter School - Psychological Networks Amsterdam Winter School (2020)
- Summer School - Würzburg International Summer School on Social Cognition and Neuroscience (2017)
- PhD course - Supervising master students (2019)
- PhD course - Supervising bachelor students (2018)
- PhD course - Scientific integrity (2018)
- PhD course - Poster design and presentation (2018)
- Workshop - Interacting with the Abel supercomputer at UiO (2016)
- Workshop - Data Carpentry, research data management (2015)
- Workshop - Software Carpentry, introduction to R, Unix, Git and Python (2015)

## Professional skills

### Programming & data analysis software

- R (expert)
- Excel (working knowledge)
- FSL (brain imaging analysis software - working knowledge)
- Git (working knowledge)
- Matlab (working knowledge)
- SPSS (working knowledge)
- Unix Shell (working knowledge)
- Python (beginner)
- SLURM computer cluster interface (beginner)

**Languages**

I am fluent in both written and verbal English and Norwegian.



## References

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