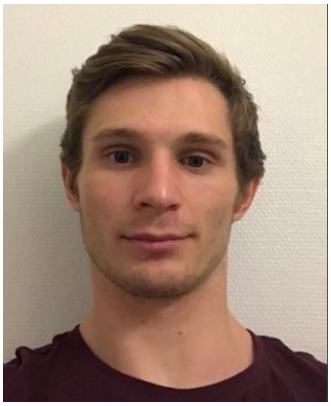

Jesper Fischer Ehmsen

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Qualifications

- Strong skills in statistics, programming, data visualizing and computational modeling in R, Python and MATLAB.
- Knowledge and understanding of perception and psychology.
- Strong communicative abilities for effective dissemination of analyses, both in analytical contexts and consulting.
- Discerning judgment in the development and enhancement of practices and methodologies.

Education.

Master of Science – Cognitive science. 2022 - 2024
Aarhus University, Denmark.

- Computational decision making
- Advanced cognitive neuroscience.
- Advanced cognitive modeling.
- Data science.
- Natural language processing

Bachelor of Science - Cognitive science with elective in physics. 2019 - 2022
Aarhus University, Denmark.

- Experimental Methods 1-4.
- Cognitive psychology / neuroscience.

Experience.

Student Assistant.
Center of Functionally Integrative Neuroscience under Francesca Fardo and Micah Allen. 2021 - 2024

- Main responsibility for the analysis and write-up of research projects, as well as co-authorship on various other articles.
- Design and conception of new methods, models, and research projects.

Work.

Research assistant.

Center of Functionally Integrative Neuroscience under Francesca Fardo and Micah Allen. 2024 - Now

- Main responsibility for the analysis and write-up of research projects, as well as co-authorship on various other articles.
- Design and conception of new methods, models, and research projects.

Diplomas.

- Winner of the abstract competition at the Scandinavian Association for the study of pain conference in 2022.

Peer reviewed publications.

Mitchell, A. G., **Fischer Ehmsen, J**., Basińska, M., Courtin, A. S., Böhme, R. A., Sardeto Deolindo, C., Allen, M. G., Sandberg, K., & Fardo, F. (2024). Thermal contrast enhancement predicts paradoxical heat sensation. *Communications Psychology*, *2*(1), 1–8. https://doi.org/10.1038/s44271-024-00083-8

Mitchell, A. G., **Ehmsen, J. F.**, Christensen, D. E., Stuckert, A. V., Haggard, P., & Fardo, F. (2024). Disentangling the spinal mechanisms of illusory heat and burning sensations in the thermal grill illusion. *PAIN*, *165*(10), 2370. https://doi.org/10.1097/j.pain.0000000000003352

Deolindo, C. S**., Ehmsen, J. F**., Courtin, A. S., Mitchell, A. G., Kraenge, C. E., Nikolova, N., Allen, M. G., & Fardo, F. (2025). Assessing individual sensitivity to the Thermal Grill Illusion: A two-dimensional adaptive psychophysical approach. *The Journal of Pain*, *27*, 104732. https://doi.org/10.1016/j.jpain.2024.104732

Pre-printed articles in review.

Ehmsen, J. F., Nikolova, N., Christensen, D. E., Banellis, L., Brændholt, M., Courtin, A. S., Kraenge, C. E., Mitchell, A. G., Deolindo, C. S., Steenkjær, C., Vejlø, M., Mathys, C., Allen, M. G., & Fardo, F. (2024). *Uncertainty in Thermosensory Expectations Enhances an Illusion of Pain* (p. 2024.03.27.587070). bioRxiv. https://doi.org/10.1101/2024.03.27.587070

Nikolova, N., **Ehmsen, J. F**., Banellis, L., Brændholt, M., Vejlø, M., Fardo, F., & Allen, M. (2024). *Microstructural Brain Correlates of Inter-individual Differences in Respiratory Interoception* (p. 2024.04.08.588519). bioRxiv. https://doi.org/10.1101/2024.04.08.588519