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Det Sundhedsvidenskabelige Fakultet
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Forskningsprofil

Forskning med fokus på klinisk praksis og grundforskning indenfor smerte neurovidenskab

Grundforskning:

- Neurofysiologiske karakteristika af kroniske smerter efter en blodprop i hjernen og i komplekst regionalt smertesyndrom (CRPS)

Klinisk forskning

- Rehabilitering efter en blodprop i lungen
- Rehabilitering efter hjerteoperation

Ansættelse

Aalborg Universitetshospital

Det Sundhedsvidenskabelige Fakultet

1 sep. 2021 → present

Ansæt Ph.d.stipendiat

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Institut for Medicin og Sundhedsteknologi

Det Sundhedsvidenskabelige Fakultet

Gistrup, Danmark

1 maj 2024 → 31 dec. 4712

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Gistrup, Danmark

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Center for Neuroplasticity and Pain

Det Sundhedsvidenskabelige Fakultet

Aalborg East, Danmark

1 maj 2024 → present

Fysioterapeut

Fysio- og Ergoterapiafdelingen

Det Sundhedsvidenskabelige Fakultet

1 sep. 2021 → present

Publikationer

Lower pre-treatment TMS-evoked cortical reactivity and alpha-band oscillatory dynamics predict efficacy of primary motor cortex neuromodulation for chronic pain

De Martino, E., Bach, M. M., Jakobsen, A., Couto, B. N., Chowdhury, N., Ingemann-Molden, S., Casali, A. G., Graven-Nielsen, T. & de Andrade, D. C., 14 okt. 2025, medRxiv, 25 s.

Reduced alpha-band phase coherence and cortical complexity in fibromyalgia: a TMS-EEG exploratory study

Jakobsen, A., De Martino, E., Couto, B. A. N., Bach, M. M., Ingemann-Molden, S., Palsson, T. S., Blicher, J., Casali, A. G., Graven-Nielsen, T. & de Andrade, D. C., 30 sep. 2025, bioRxiv, 35 s.

Quality of life after pulmonary embolism: psychometric validation of the Danish electronic version of the PEmb-QoL questionnaire

Lindegaard, S. F., Valentin, J. B., Rolving, N., Ingemann-Molden, S. & Højen, A. A., 21 sep. 2025, I: BMJ Open. 15, 9, e103473.

Early remote rehabilitation to improve health of the elderly after cardiac surgery – study protocol for a randomised trial

Daugaard, R., Sørensen, L., Ingemann-Molden, S. & Modrau, I. S., 1 jun. 2025, I: Danish Medical Journal. 72, 7, A11240820.

Brain Oscillations Evoked by Deep Transcranial Magnetic Stimulation: Targeting the Anterior Cingulate and Posterior Insular Cortices

Nascimento Couto, B. A., De Martino, E., Jakobsen, A., Bach, M. M., Ingemann-Molden, S., Casali, A. G., Graven-Nielsen, T. & de Andrade, D. C., apr. 2025, *Abstract Book 14th Congress of The European Pain Federation EFIC : Comorbidity of Chronic Pain and Mental Health Disorders: Breaking the Cycle*. s. 72-73

Extra Motor Cortical Excitability and Connectivity Metrics by Transcranial Magnetic Stimulation Coupled to Electroencephalography in Acute Pain

Bach, M. M., De Martino, E., Nascimento Couto, B. A., Jakobsen, A., Ingemann-Molden, S., Graven-Nielsen, T. & de Andrade, D. C., apr. 2025, *Abstract Book 14th Congress of The European Pain Federation EFIC : Comorbidity of Chronic Pain and Mental Health Disorders: Breaking the Cycle*. s. 358

Motor Cortical Excitability and Connectivity Metrics by TMS Coupled to Electroencephalography or Electromyography in Complex Regional Pain Syndrome

Ingemann-Molden, S., apr. 2025, *Abstract Book 14th Congress of The European Pain Federation EFIC : Comorbidity of Chronic Pain and Mental Health Disorders: Breaking the Cycle*. s. 194-195

Reduced Natural Frequency in Fibromyalgia Patients - Assessed by Electroencephalographic Responses to Transcranial Magnetic Stimulation: Targeting the Anterior Cingulate and Posterior Insular Cortices

Jakobsen, A., De Martino, E., Nascimento Couto, B. A., Bach, M. M., Ingemann-Molden, S., Casali, A. G., Palsson, T., Graven-Nielsen, T. & de Andrade, D. C., apr. 2025, *Abstract Book 14th Congress of The European Pain Federation EFIC : Comorbidity of Chronic Pain and Mental Health Disorders: Breaking the Cycle*. s. 204

Effectiveness of Self-Management Interventions for Musculoskeletal pain in the upper and lower extremities: A Systematic Review

Christensen, S. W. M., Travers, M., Christensen, M. E. M., Ingemann-Molden, S., Hoegh, M., O'Keefe, M., Doménech-García, V., Bellósta-López, P., Blasco-Abadía, J., O'Sullivan, K. & Palsson, T., 2025. 3598 s.

Effects, Barriers, and Facilitators of Self-Management Interventions for Spinal Pain: A Systematic Review

Palsson, T., Ingemann-Molden, S., Hoegh, M., O'Keefe, M., O'Sullivan, K., Doménech-García, V., Bellosta-López, P., Blasco-Abadía, J. & Christensen, S. W. M., 2025. 1941 s.

Performance-based outcome measures for assessing physical capacity in patients with pulmonary embolism: A scoping review

Caspersen, C. K., Ingemann-Molden, S., Grove, E. L., Højen, A. A., Andreasen, J., Klok, F. A. & Rolving, N., mar. 2024, I: Thrombosis Research. 235, s. 52-67 16 s.

Comparison of important factors to patients recovering from pulmonary embolism and items covered in patient-reported outcome measures: A mixed-methods systematic review

Ingemann-Molden, S., Caspersen, C. K., Rolving, N., Højen, A. A., Klok, F. A., Grove, E. L., Brocki, B. C. & Andreasen, J., jan. 2024, I: Thrombosis Research. 233, s. 69-81 13 s.

Performance-based outcome measures for physical capacity and functional ability among patients with pulmonary embolism

Rolving, N., Caspersen, C. K., Ingemann-Molden, S., Grove, E. L., Andreasen, J., Klok, F. A. & Højen, A. A., 9 nov. 2023, I: European Heart Journal. 44, Suppl. 2, ehad655.2903.

Difference in postural stability between STarT Back Tool subgroups of patients with low back pain under conditions of sensory deprivation and cognitive load

Ingemann-Molden, S., Pessoto Hirata, R., Bach Jensen, M., Graven-Nielsen, T. & Riis, A., jul. 2022, I: The Journal of International Medical Research. 50, 7, 11 s.

Datasæt

Difference in postural stability between STarT Back Tool subgroups of patients with low back pain under conditions of sensory deprivation and cognitive load

Ingemann-Molden, S. (Ophavsperson), Pessoto Hirata, R. (Ophavsperson), Bach Jensen, M. (Ophavsperson), Graven-Nielsen, T. (Ophavsperson) & Riis, A. (Ophavsperson), Sage Journals, 2022

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https://sage.figshare.com/collections/Difference_in_postural_stability_between_STarT_Back_Tool_subgroups_of_patients_with_low_back_pain_under_conditions_of_sensory_deprivation_and_cognitive_load/6109114/1

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Ingemann-Molden, S. (Ophavsperson), Pessoto Hirata, R. (Ophavsperson), Bach Jensen, M. (Ophavsperson), Graven-Nielsen, T. (Ophavsperson) & Riis, A. (Ophavsperson), Sage Journals, 2022

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