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Forskningsprofil

Forskningsinteresser:

Electrophysiological systems for pain assessment: stimulation techniques, EMG/EEG acquisition, computer models, signal processing, sophisticated statistical analysis

Modeling electrical stimulation of live tissue, Finite Element modeling, nerve excitability modeling (differential equation models), electrode design

The neurobiology of the human nociceptive withdrawal reflex: Neuroscience approach, motor control, interaction with central pattern generators

Rehabilitation engineering after stroke: gait rehabilitation, electrical stimulation, control engineering, tele-rehabilitation, sensor technology, machine learning, clinical evaluation.

Medlem af ATV

Ansættelse

Professor

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Institut for Medicin og Sundhedsteknologi
Det Sundhedsvidenskabelige Fakultet
Gistrup, Danmark
1 jul. 1996 → 31 dec. 4712

Professor

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Det Sundhedsvidenskabelige Fakultet
Gistrup, Danmark
1 jul. 1996 → 31 dec. 4712

Center for Sansø-Motorisk Interaktion

Det Sundhedsvidenskabelige Fakultet
Aalborg, Danmark
1 jul. 1996 → present

Professor

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Translational Pain Neuroscience and Precision Health
Det Sundhedsvidenskabelige Fakultet

Gistrup, Danmark
1 jul. 1996 → 31 dec. 4712

AI for the People

Det Tekniske Fakultet for IT og Design
Aalborg, Danmark
1 nov. 2019 → present

Center for Neuroplasticity and Pain

Det Sundhedsvidenskabelige Fakultet
Aalborg East, Danmark
1 feb. 2015 → present

Publikationer

Mål og handlingsplan 2026 - National Strategi for Data Management baseret på FAIR Principper

Henriksen, H. Z., Falktoft, A., Fink, A. S., Sørensen, C., Skovgaard, E. D., Brinckmann, K., Rosendahl, L., Henning, M., Broberg Nielsen, S., Nielsen, U. G., Kirkegaard, H.-L., Kruuse, K. K., He, D., Grønbech Hansen, J., Hybschmann, J., Poulsen, K. B., Dragsted, L. O., Belsø, R., Völker, S. & Boerman, S. & 29 flere, Nygaard Bai, B., Larsen, A. V., Halvbjörn, H. H., Møller, J. R., Quick, J., Tanderup, N. P., Russo, F., Aagaard, K., Andersen, O. K., Lindberg, B., Sørensen, J. D., Arleth, L., Andreasen, M., Larsen, T. B., Buss, M., Hansen, C. D., Vlachos, E., Hüser, F., Lund, H., Mihai, H., Westh, S. M., Zurcher, S., Møldrup-Dalum, P., Christensen, C. O., Hansen, S. F., Boer, S. D., Utne Kærholm Svendsen, M., Laursen, C. M. L. & Perchutkaite, B., 17 apr. 2026, Zenodo. 21 s.

Directional discrimination in the nociceptive system is enhanced for non-continuous lines

Frahm, K. S., Andersen, O. K. & Mørch, C. D., 11 mar. 2026, I: Scandinavian Journal of Pain. 26, 1, 9 s., 20250032.

A nociceptor excitability test for identifying alterations of the Nav1.7 channels in humans

Mørch, C. D., Poulsen, A. H., Kesdoğan, A. B., Rämisch, S., Lampert, A., Andersen, O. K. & Tigerholm, J., 1 jan. 2026, I: Pain. 167, 1, s. 178-191 14 s.

Perceptual Learning Can Improve Nociceptive Directional Discrimination

Rujoie, A., Andersen, O. K., Mouraux, A. & Frahm, K. S., dec. 2025, I: European Journal of Neuroscience. 62, 11, e70350.

Modulation of Spinal Nociceptive Excitability by Nociceptive-Visual Interaction

Filbrich, L., Andersen, O. K. & Frahm, K. S., nov. 2025, I: European Journal of Pain. 29, 10, e70153.

Experimental Pain Model Based on Short-Wave Diathermy Replicates the Intensity, Quality and Spatial Distribution of Chronic Shoulder Pain: A Parallel Group Validation Study

Intelangelo, L., Mista, C. A., Barone, M., Imaz, F., Laugero, S. J., Adur, J., Andersen, O. K. & Biurrin Manresa, J. A., okt. 2025, I: European Journal of Pain. 29, 9, e70118.

Spatiotemporal characterization of an experimental model of muscle pain in humans based on short-wave diathermy

Intelangelo, L., Mista, C. A., Barone, M., Imaz, F., Laugero, S. J., Adur, J., Andersen, O. K. & Biurrin Manresa, J. A., nov. 2024, I: European Journal of Pain. 28, 10, s. 1785-1798 14 s.

Topical capsaicin modulates the two-point discrimination threshold-Modulation depends on stimulation modality and intensity

Frahm, K. S., Andersen, O. K., Arendt-Nielsen, L., Gervasio, S. & Mørch, C. D., nov. 2024, I: European Journal of Pain. 28, 10, s. 1855-1865 11 s.

Investigation of directional discrimination in the nociceptive system using temperature-controlled laser stimuli

Rujoie, A., Andersen, O. K. & Frahm, K. S., sep. 2024, I: European Journal of Pain. 28, 8, s. 1320-1329 10 s.

Spatio-temporal modulation of cortical activity during motor deadaptation depends on the feedback of task-related error
Mista, C. A., Arguissain, F. G., Ranieri, A., Nielsen, J. F., Andersen, H., Manresa, J. A. B. & Andersen, O. K., 25 jun. 2024
, I: Behavioural Brain Research. 468, 115024.

Effects of Background Noise and Linguistic Violations on Frontal Theta Oscillations During Effortful Listening
Mohammadi, Y., Graversen, C., Manresa, J. B., Østergaard, J. & Andersen, O. K., 1 maj 2024, I: Ear and Hearing. 45, 3,
s. 721-729 9 s.

Validity and reliability of self-reported and neural measures of listening effort
Mohammadi, Y., Østergaard, J., Graversen, C., Andersen, O. K. & Biurrun Manresa, J., dec. 2023, I: European Journal of
Neuroscience. 58, 11, s. 4357-4370 14 s.

**Phase-locking of Neural Activity to the Envelope of Speech in the Delta Frequency Band Reflects Differences between
Word Lists and Sentences**
Mohammadi, Y., Graversen, C., Østergaard, J., Andersen, O. K. & Reichenbach, T., aug. 2023, I: Journal of Cognitive
Neuroscience. 35, 8, s. 1301-1311 11 s.

**Phase-locking of neural activity to the envelope of speech in the delta frequency band reflects differences between word
lists and sentences**
Mohammadi, Y., Graversen, C., Østergaard, J., Andersen, O. K. & Reichenbach, T., 1 jun. 2023, bioRxiv, 30 s.

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Mohammadi, Y., Østergaard, J., Graversen, C., Andersen, O. & Manresa, J. B., 11 mar. 2023, Authorea, 13 s.

**A novel temperature-controlled laser system to uniformly activate cutaneous thermal receptors during movable thermal
stimulation**
Rujoié, A., Andersen, O. K. & Frahm, K. S., 1 feb. 2023, I: Journal of Neural Engineering. 20, 1, 016040.

An analytical method to separate modality-specific and nonspecific sensory components of event-related potentials
Young, E. L., Mista, C. A., Jure, F. A., Andersen, O. K. & Biurrun Manresa, J., okt. 2022, I: European Journal of
Neuroscience. 56, 7, s. 5090-5105 16 s.

Investigation of tempo-spatial mechanisms of nociceptive system using a temperature-controlled laser stimulator
Rujoié, A., Andersen, O. K. & Frahm, K. S., 23 sep. 2022.

A novel temperature-controlled laser system to uniformly activate cutaneous nociceptors during moveable stimulation
Rujoié, A., Andersen, O. K. & Frahm, K. S., 22 sep. 2022.

Perceptual learning reduces the 2-point discrimination threshold
Frahm, K. S., Mørch, C. D. & Andersen, O. K., 22 sep. 2022.

Modulation of Spinal Nociceptive Excitability by Nociceptive-Visual Interaction
Filbrich, L., Andersen, O. K. & Frahm, K. S., 21 sep. 2022.

Spinal Nociceptive Processing Facilitated by Distraction in Healthy Humans
Andersen, O. K., Henrich, M. & Frahm, K. S., 21 sep. 2022.

**An Analytic Method to Separate Nociceptive and Non-Nociceptive Specific Components of Event-Related Potentials:
Preliminary Results**
Young, E., Mista, C., Jure, F. A. & Andersen, O. K., sep. 2022.

Spinal nociception is facilitated during cognitive distraction
Henrich, M. C., Steffen Frahm, K., Coghill, R. C. & Kæseler Andersen, O., 21 maj 2022, I: Neuroscience. 491, s. 134-145
12 s.

Priming of central- and peripheral mechanisms with heat and cutaneous capsaicin facilitates secondary hyperalgesia to high frequency electrical stimulation

Hugosdottir, R., Kasting, M., Mørch, C. D., Kæseler Andersen, O. & Arendt-Nielsen, L., 1 mar. 2022, I: Journal of Neurophysiology. 127, 3, s. 651-659 9 s.

Novel surface electrode design for preferential activation of cutaneous nociceptors

Poulsen, A. H., van den Berg, B., Arguissain, F. G., Tigerholm, J., Buitenweg, J. R., Andersen, O. K. & Mørch, C. D., feb. 2022, I: Journal of Neural Engineering. 19, 1, 016010.

Tænk, hvis pandemien havde ramt os i 1996

Grønbæk, K., Alstrup, S., Riis, S., Andersen, O. K., Toft Frederiksen, P. & Brinckmann, R., 24 nov. 2021, I: Politiken. 2 s.

Tempo-spatial integration of nociceptive stimuli assessed via the nociceptive withdrawal reflex in healthy humans

Henrich, M. C., Frahm, K. S. & Andersen, O. K., 1 aug. 2021, I: Journal of Neurophysiology. 126, 2, s. 373-382 10 s.

Variability and effect sizes of intracranial current source density estimations during pain: Systematic review, experimental findings, and future perspectives

Völker, J. M., Arguissain, F. G., Andersen, O. K. & Biurrin Manresa, J., 1 jun. 2021, I: Human Brain Mapping. 42, 8, s. 2461-2476 16 s.

A Novel Nociceptive Fiber Excitability Protocol to Identify Abnormal Voltage-gated Ion Channels: A Computational Study

Tigerholm, J., Poulsen, A. H., Andersen, O. K. & Mørch, C. D., jun. 2021.

Cognitive modulation of spinal nociception assessed via the nociceptive withdrawal reflex

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Electrophysiological Changes in Motor Preparation During Muscle Pain Induced by Short Wave Diathermy: Preliminary Results

Mista, C., Laugero, S., Adur, J., Andersen, O. K. & Biurrin Manresa, J., jun. 2021.

Optimization of Electrode Design Parameters for Improved Preferential Activation of Small Cutaneous Nerve Fibers

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Tempo-Spatial Inhibitory Mechanisms in the Human Spinal Cord – Insights from the Nociceptive Withdrawal Reflex

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Test-retest reliability of estimated cortical current density during experimental tonic muscle pain

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Topical capsaicin modulates the 2-point discrimination threshold – modulation depends on stimulation modality and intensity

Frahm, K. S., Gervasio, S., Arendt-Nielsen, L. & Andersen, O. K., jun. 2021.

Does Threat Enlarge Nociceptive Reflex Receptive Fields?

Lannon, E. W., Jure, F. A., Andersen, O. K. & Rhudy, J. L., maj 2021, I: The Journal of Pain. 22, 5, s. 487-497

Characterization of Source-Localized EEG Activity During Sustained Deep-Tissue Pain

Völker, J. M., Arguissain, F. G., Manresa, J. B. & Andersen, O. K., mar. 2021, I: Brain Topography. 34, 2, s. 192-206 15 s.

Cold pain hypersensitivity predicts trajectories of pain and disability after low back surgery: a prospective cohort study

Müller, M., Bütikofer, L., Andersen, O. K., Heini, P., Arendt-Nielsen, L., Jüni, P. & Curatolo, M., jan. 2021, I: Pain. 162, 1, s. 184-194 11 s.

Evaluation of rest-activity cycles in patients with severe acquired brain injury: an observational study
Kjeldsen, S., Nielsen, J. F., Andersen, O. K. & Brunner, I., 2021, I: Brain Injury. 35, 9, s. 1086-1094 9 s.

Increased preferential activation of small cutaneous nerve fibers by optimization of electrode design parameters
Poulsen, A. H., Tigerholm, J., Andersen, O. K. & Mørch, C. D., 2021, I: Journal of Neural Engineering. 18, 1, 016020.

Development of an individualized asynchronous sensor-based telerehabilitation program for patients undergoing total knee replacement: Participatory design
Naeemabadi, M., Søndergaard, J. H., Klastrup, A., Schlünsen, A. P., Lauritsen, R. E. K., Hansen, J., Madsen, N. K., Simonsen, O., Andersen, O. K., Kim, K. K. & Dinesen, B., dec. 2020, I: Health Informatics Journal. 26, 4, s. 2492-2511 20 s.

Sæt Danmark i front med kunstig intelligens indenfor sundhedsområdet
Andersen, O. K. & Arbejdsgruppe i Akademiet for de Tekniske Videnskaber, dec. 2020, 8 s..

Spinal spatial integration of nociception and its functional role assessed via the nociceptive withdrawal reflex and psychophysical measures in healthy humans
Henrich, M. C., Frahm, K. S. & Andersen, O. K., nov. 2020, I: Physiological Reports. 8, 22, 15 s., e14648.

Comparison of existing electrode designs for preferential activation of cutaneous nociceptors
Poulsen, A. H., Tigerholm, J., Meijs, S., Andersen, O. K. & Mørch, C. D., 12 jun. 2020, I: Journal of Neural Engineering. 17, 3, 17 s., 036026.

Stimulus predictability moderates the withdrawal strategy in response to repetitive noxious stimulation in humans
Jure, F. A., Arguissain, F. G., Biurrun Manresa, J. A., Graven-Nielsen, T. & Kæseler Andersen, O., 1 jun. 2020, I: Journal of Neurophysiology. 123, 6, s. 2201-2208 8 s.

Directional discrimination is better for noxious laser stimuli than for innocuous laser stimuli
Frahm, K. S., Mørch, C. D. & Andersen, O. K., apr. 2020, I: European Journal of Pain. 24, 4, s. 742-751 10 s.

Intense and sustained pain reduces cortical responses to auditory stimuli: implications for the interpretation of the effects of Heterotopic Noxious Conditioning Stimulation in humans
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Psychophysical or spinal reflex measures when assessing conditioned pain modulation?
Lie, M. U., Petriu, E., Matre, D., Hansson, P., Andersen, O. K., Zwart, J. & Nilsen, K. B., 1 nov. 2019, I: European Journal of Pain. 23, 10, s. 1879-1889 11 s.

Investigating stimulation parameters for preferential small fiber activation using exponentially rising electrical currents
Hugosdottir, R., Mørch, C. D., Andersen, O. K. & Arendt-Nielsen, L., 1 okt. 2019, I: Journal of Neurophysiology. 122, 4, s. 1745-1752 8 s.

A new experimental model of muscle pain in humans based on short-wave diathermy
Mista, C. A., Laugero, S., Adur, J., Andersen, O. K. & Biurrun Manresa, J. A., okt. 2019, I: European Journal of Pain. 23, 9, s. 1733-1742 10 s.

Preferential activation of small cutaneous fibers through small pin electrode also depends on the shape of a long duration electrical current
Hugosdottir, R., Mørch, C. D., Andersen, O. K., Helgason, T. & Arendt-Nielsen, L., 14 sep. 2019, I: BMC Neuroscience. 20, 1, 11 s., 48.

Can quantitative sensory tests predict failed back surgery? A prospective cohort study

Müller, M., Limacher, A., Agten, C. A., Treichel, F., Heini, P., Seidel, U., Andersen, O. K., Arendt-Nielsen, L., Jüni, P. & Curatolo, M., sep. 2019, I: *European Journal of Anaesthesiology*. 36, 9, s. 695-704 10 s.

From Perception Threshold to Ion Channels-A Computational Study

Tigerholm, J., Poulsen, A. H., Andersen, O. K. & Mørch, C. D., 23 jul. 2019, I: *Biophysical Journal*. 117, 2, s. 281-295 15 s.

Cutaneous nociceptive sensitization affects the directional discrimination – but not the 2-point discrimination

Frahm, K. S., Mørch, C. D. & Andersen, O. K., jul. 2019, I: *Scandinavian Journal of Pain*. 19, 3, s. 605-613 9 s.

Conditioned Pain Modulation affects the withdrawal reflex pattern to nociceptive stimulation in humans

Jure, F. A., Arguissain, F., Biurrun Manresa, J. & Andersen, O. K., jun. 2019, I: *Neuroscience*. 408, s. 259-271 13 s.

Electrical stimulation of small cutaneous nerve fibers for investigating human pain mechanisms

Hugosdottir, R., Mørch, C. D., Andersen, O. K. & Arendt-Nielsen, L., jun. 2019.

Spatial integration of electrical stimulation on the sole of the foot

Henrich, M., Frahm, K. S. & Andersen, O. K., apr. 2019, I: *Scandinavian Journal of Pain*. 19, Suppl. 1, s. S4

Developing a telerehabilitation programme for postoperative recovery from knee surgery: specifications and requirements

Naeemabadi, M., Dinesen, B., Andersen, O. K., Madsen, N. K., Simonsen, O. & Hansen, J., feb. 2019, I: *BMJ Health & Care Informatics*. 26, 1, 7 s., e000022.

Influence of a marker-based motion capture system on the performance of Microsoft Kinect v2 skeleton algorithm

Naeemabadi, M., Dinesen, B., Andersen, O. K. & Hansen, J., 1 jan. 2019, I: *IEEE Sensors Journal*. 19, 1, s. 171-179 9 s., 8494823.

A combined volume conduction and nerve fiber model for assessment of electrode design in relation to preferential activation of small cutaneous nerve fibers

Poulsen, A. H., Andersen, O. K., Mørch, C. D. & Tigerholm, K. J. V., 2019.

Comparison of electrodes designed for preferential activation of cutaneous nociceptors via experimental assessments and computational modeling

Poulsen, A. H., Tigerholm, K. J. V., Andersen, O. K. & Mørch, C. D., 2019.

Excitability differences between small and large sensory nerve fibers may be explained by different ion channel distribution

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Volker, J. M., Arguissain, F., Biurrun Manresa, J. & Andersen, O. K., 2019.

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Investigating the effect of priming with heat and capsaicin on the development of hyperalgesia to high frequency electrical stimulation

Hugosdottir, R., Kasting, M., Mørch, C. D., Andersen, O. K. & Arendt-Nielsen, L., 2019.

Investigating the impact of a motion capture system on Microsoft Kinect v2 recordings: A caution for using the technologies together

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Deep Multimodal Pain Recognition: A Database and Comparison of Spatio-Temporal Visual Modalities

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A novel stimulation paradigm to limit the habituation of the nociceptive withdrawal reflex

Gervasio, S., Laursen, C. B., Andersen, O. K., Hennings, K. & Spaich, E. G., maj 2018, I: *IEEE Transactions on Neural Systems and Rehabilitation Engineering*. 26, 5, s. 1100-1107 8 s.

Tempo-spatial discrimination is lower for noxious stimuli than for innocuous stimuli

Frahm, K. S., Mørch, C. D. & Andersen, O. K., feb. 2018, I: *Pain*. 159, 2, s. 393-401 9 s.

A computational comparison of electrodes for preferential activation of thin cutaneous nerve fibers

Poulsen, A. H., Tigerholm, J., Andersen, O. K. & Mørch, C. D., 2018.

A new experimental model of muscle pain in humans based on short-wave diathermy: preliminary results

Mista, C., Laugero, S., Adur, J., Andersen, O. K. & Biurun Manresa, J., 2018.

Cognitive processing for step precision increases beta and gamma band modulation during overground walking

Oliveira, A. S., Arguissain, F. G. & Andersen, O. K., 2018, I: *Brain Topography*. 31, 4, s. 661-671 11 s.

Does anxiety enlarge reflex receptive fields?

Lannon, E., Jure, F. A., Andersen, O. K. & Rhudy, J., 2018.

Evaluating accuracy and usability of Microsoft Kinect sensors and wearable sensor for tele knee rehabilitation after knee operation

Naeemabadi, M. R., Dinesen, B. I., Andersen, O. K., Najafi, S. & Hansen, J., 2018, *Proceedings of the 11th International Joint Conference on Biomedical Engineering Systems and Technologies, Biostec 2018; Biodevices 2018, 19-21 January 2018, Funchal, Madeira, Portugal*. Bermudez i Badia, S., Cliquet, A., Cliquet, A., Gamboa, H. & Fred, A. (red.). SciTePress, Bind 1. s. 128-135 8 s.

FES system for hand opening and grasping with automatic control based on the Microsoft Kinect sensor

Spaich, E. G., Simonsen, D., Hansen, J. & Andersen, O. K., 2018, *Program Book, 22nd Annual Conference of the International Functional Electrical Society, IFESS, 28-31 August 2018, Nottwil, Switzerland*. s. 121-122 A-0041

From perception threshold to ion channels: a computational study

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Gait rehabilitation by nociceptive withdrawal reflex-based functional electrical therapy

Andersen, O. K. & Spaich, E. G., 2018, *Advanced Technologies for the Rehabilitation of Gait and Balance Disorders*. Sandrini, G., Homberg, V., Saltuari, L., Smania, N. & Pedrocchi, A. (red.). Springer, s. 325-333 9 s. (Biosystems and Biorobotics; Nr. 19).

High frequency electrical stimulation induces a long-lasting enhancement of event-related potentials but does not change the perception elicited by intra-epidermal electrical stimuli delivered to the area of increased mechanical pinprick sensitivity

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Neural correlates of sustained deep-tissue pain: an EEG study

Völker, J. M., Arguissain, F., Biurrun Manresa, J. & Andersen, O. K., 2018.

Patient's Body Motion Study using Multimodal RGBDT Videos

Haque, M. A., Kjeldsen, S. S., Arguissain, F. G., Brunner, I., Nasrollahi, K., Andersen, O. K., Nielsen, J. F., Moeslund, T. B. & Jørgensen, A., 2018, *Advances in Visual Computing: 13th International Symposium, ISVC 2018, Las Vegas, NV, USA, November 19 – 21, 2018, Proceedings*. Springer, s. 552-564 12 s. (Lecture Notes in Computer Science, Bind 11241).

Psychophysical or neurophysiological measures when assessing conditioned pain modulation?

Lie, M., Petriu, E., Matre, D., Hansson, P., Andersen, O. K., Zwart, J. & Nilsen, K., 2018.

Quantification of the variability of detection thresholds to intra-epidermal electrical stimulation in humans

Arguissain, F., Biurrun Manresa, J., Andersen, O. K. & Van Den Broeke, E., 2018.

Strength-duration curve for slowly rising electrical pulse indicates accommodation of large but not small nerve fibers

Hugosdottir, R., Mørch, C. D., Andersen, O. K. & Arendt-Nielsen, L., 2018.

Tempo-spatial discrimination is higher for noxious than innocuous heat stimuli

Frahm, K. S., Mørch, C. D. & Andersen, O. K., 2018.

Measurement error of a simplified protocol for quantitative sensory tests in chronic pain patients

Müller, M., Biurrun Manresa, J., Limacher, A., Streitberger, K., Jüni, P., Andersen, O. K. & Curatolo, M., 26 jul. 2017, I: *Regional Anesthesia and Pain Medicine*. 42, 5, s. 660-668

Accommodation of non-nociceptive fibers during long duration electrical impulse of increasing exponential decay, indicates its ability to preferentially activate nociceptive fibers

Hugosdottir, R., Mørch, C. D., Andersen, O. K., Helgason, T. & Arendt-Nielsen, L., 2017.

Auditory evoked potentials (AEPs) are reduced during the cold pressor test

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Cognitive processing for step precision increases beta and gamma modulation during overground walking

Oliveira, A. S. C., Arguissain, F. & Andersen, O. K., 2017, *47th Annual Meeting of the Society for Neuroscience, Neuroscience*. Washington DC (USA), s. 153.05 1 s.

Design and test of a closed-loop FES system for supporting function of the hemiparetic hand based on automatic detection using the Microsoft Kinect sensor

Simonsen, D., Spaich, E. G., Hansen, J. & Andersen, O. K., 2017, I: *IEEE Transactions on Neural Systems and Rehabilitation Engineering*. 25, 8, s. 1249-1256

Design and test of a Microsoft Kinect-based system for delivering adaptive visual feedback to stroke patients during training of upper limb movement

Simonsen, D., Popovic, M. B., Spaich, E. G. & Andersen, O. K., 2017, I: *Medical & Biological Engineering & Computing*. 55, 11, s. 1927–1935

Design and test of an automated version of the modified Jebsen test of hand function using Microsoft Kinect

Simonsen, D., Nielsen, I. F., Spaich, E. G. & Andersen, O. K., 2017, I: *Journal of NeuroEngineering and Rehabilitation*. 14, 12 s., 38.

Developing and testing an in-home tele-knee rehabilitation system for patient after knee surgery

Naeemabadi, M. R., Dinesen, B. I., Andersen, O. K., Palsson, T. S., Simonsen, O. & Hansen, J., 2017.

Effects of conditioned pain modulation on the withdrawal pattern to nociceptive stimulation in humans: Preliminary results
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Priser

'Danish Research Result of the Year' for the contribution "Elektriske stød får lammede til at gå normalt".

Andersen, O. K. (Modtager), Spaich, E. G. (Modtager) & Emborg, J. (Modtager), dec. 2010

Presse/medie

ATV's sundhedsgruppe har 5 anbefalinger om AI i sundhedssektoren

Andersen, O. K.

15/12/2020

1 Mediebidrag

Baner vej til "mirakelbehandlinger"

Andersen, O. K.

29/05/2017

2 elementer af Mediedækning

Dansk-israelsk samarbejde

Arendt-Nielsen, L. & Andersen, O. K.

01/02/2008

1 element af Mediedækning

e-Health Tech : nyt center for individuel velfærdsteknologi

Andersen, O. K.

01/01/2012

1 element af Mediedækning

Elektriske stød får lammede til at gå normalt

Andersen, O. K., Spaich, E. G. & Emborg, J.

22/03/2010

1 element af Mediedækning

Elektriske stød får lamme til at gå

Andersen, O. K.

22/03/2010
1 element af Mediedækning

Elektriske stød får lamme til at gå

Andersen, O. K.
28/03/2010
1 element af Mediedækning

Elektriske stød hjælper blodpropspatienter

Andersen, O. K.
24/03/2010
1 element af Mediedækning

EI-stimulation giver hurtigere genoptræning

Andersen, O. K., Spaich, E. G. & Emborg, J.
15/05/2009
2 elementer af Mediedækning

Elsåler formes til nyt dansk eksporteventyr

Hennings, K., Andersen, O. K. & Spaich, E. G.
24/07/2013
5 elementer af Mediedækning

Fire nye professorer styrker AAU's sundhedsområder

Graven-Nielsen, T., Andersen, O. K., Farina, D. & Hejlesen, O.
01/06/2008
1 element af Mediedækning

Fondsmidler udhuler teknisk og administrativt personale på universiteterne

Andersen, O. K.
23/01/2018
1 element af Mediedækning

Forbedret gangtræning af apopleksipatienter

Andersen, O. K. & Spaich, E. G.
01/05/2014
1 element af Mediedækning

Forsker præsenterer ny viden om reflekser og smerter i doktorafhandling

Andersen, O. K.
20/08/2007
1 element af Mediedækning

Forskning for billigere sundhed

Andersen, O. K.
14/11/2011
1 element af Mediedækning

Forskning på AAU danner grundlag for teknologi for ganggenoptræning

Spaich, E. G. & Andersen, O. K.
19/04/2017
1 element af Mediedækning

Forskning: Små operationer giver flest kroniske smerter

Andersen, O. K.
01/05/2017

41 elementer af Mediedækning

Forsvar af doktorafhandling

Andersen, O. K.

03/06/2007

1 element af Mediedækning

Fysisk interaktion med træningsteknologier

Andersen, O. K. & Spaich, E. G.

19/04/2017

2 elementer af Mediedækning

Gigtforeningen støtter 24 nye forskningsprojekter

Andersen, O. K.

26/06/2014

5 elementer af Mediedækning

Guide til videnskaben på Folkemødet: Se fremtidens hjerneforskning, fermentering og forskerspirer

Andersen, O. K.

12/06/2025

1 element af Mediedækning

Her er Årets Danske Forskningsresultat

Andersen, O. K.

11/02/2011

1 element af Mediedækning

Hjælp på vej til hjerneskadede

Andersen, O. K.

24/06/2014

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Internationale eksperter i skadede nerver indtager Aalborg

Andersen, O. K.

20/06/2014

1 element af Mediedækning

Jeg er forsker - ikke forretningsmand

Andersen, O. K.

01/02/2014

1 element af Mediedækning

Kommunerne vigtige medspillere

Sinkjær, T., Andersen, O. K., Popovic, D. B., Spaich, E. G. & Mazzaro, N.

02/03/2006

1 element af Mediedækning

Kronisk smerte ved små indgreb

Andersen, O. K.

10/05/2017

7 elementer af Mediedækning

Kæmpegave: Danmark får nyt akademi for hjerneforskning

Andersen, O. K.

20/01/2022 → 21/01/2022

4 elementer af Mediedækning

Livet efter en blodprop i hjernen

Andersen, O. K.

29/03/2022 → 06/04/2022

20 elementer af Mediedækning

Løsninger til pleje- og sundhedssektoren

Andersen, O. K.

14/11/2011

1 element af Mediedækning

Målet er hele mennesker

Sinkjær, T., Andersen, O. K., Popovic, D. B., Spaich, E. G. & Mazzaro, N.

02/03/2006

1 element af Mediedækning

Navne i noter

Andersen, O. K., Farina, D. & Hejlesen, O.

07/04/2008

1 element af Mediedækning

Navnnyt

Graven-Nielsen, T., Arendt-Nielsen, L., Andersen, O. K. & Jensen, W.

21/10/2014

1 element af Mediedækning

Nervestimulerende selskab kigger syd for grænsen

Andersen, O. K.

17/02/2016

1 element af Mediedækning

Nye ansættelser på AAU

Graven-Nielsen, T., Andersen, O. K., Farina, D. & Hejlesen, O.

02/05/2008

1 element af Mediedækning

Ny forskning: Sætter strøm til robotbenene

Andersen, O. K., Spaich, E. G. & Laursen, C. B.

26/09/2016

1 element af Mediedækning

Ny teknik kan hjælpe folk på benene igen efter et slagtilfælde

Andersen, O. K.

24/03/2010

1 element af Mediedækning

Nyt forskningscenter i Aalborg

Andersen, O. K.

09/07/2014

1 element af Mediedækning

Nøgleprofil skal styrke samarbejdet om sundhedsløsninger i Aalborg Life Science

Andersen, O. K.

15/04/2026 → 17/04/2026

2 elementer af Mediedækning

Ole K. Andersen forsvarer doktorafhandling

Andersen, O. K.

01/06/2007

3 elementer af Mediedækning

Otte nye AAU-medlemmer af videnskabeligt akademi

Andersen, O. K., Christensen, M. G., Kolmos, A., Kørnøv, L., Mathiesen, B. V., Nielsen, I. E., Popovski, P., Rees, S. E. & Johansen, P. M.

27/04/2017

2 elementer af Mediedækning

Patienter i stødet

Andersen, O. K., Spaich, E. G., Sinkjær, T., Popovic, D. B. & Emborg, J.

29/02/2008

1 element af Mediedækning

Penge fra Gigtforeningen til forskning

Andersen, O. K.

14/07/2014

5 elementer af Mediedækning

Pris for at lære lammede at gå

Andersen, O. K.

07/12/2010

2 elementer af Mediedækning

Professorer i fint selskab

Andersen, O. K., Christensen, M. G., Kolmos, A., Kørnøv, L., Mathiesen, B. V., Nielsen, I. E., Popovski, P., Rees, S. E. & Johansen, P. M.

05/05/2017

1 element af Mediedækning

Små stød kan få liv i lammede ben

Sinkjær, T., Andersen, O. K., Popovic, D. B., Spaich, E. G. & Mazzaro, N.

02/03/2006

1 element af Mediedækning

Stor bevilling skal mindske antallet af invalide efter slagtilfælde

Andersen, O. K. & Jensen, W.

24/06/2014

10 elementer af Mediedækning

Storming the gates of knowledge

Andersen, O. K.

01/08/2011

1 element af Mediedækning

Stød lærer lammede at gå igen

Emborg, J. & Andersen, O. K.

01/12/2010

1 element af Mediedækning

Teknologi til de nye sygehuse

Andersen, O. K.

16/11/2011

4 elementer af Mediedækning

To nye chefer på plads på AAU

Andersen, O. K. & Graven-Nielsen, T.

20/02/2016

4 elementer af Mediedækning

Utrolig forskning: Stød får lammede til at gå

Andersen, O. K., Spaich, E. G. & Emborg, J.

03/12/2010

2 elementer af Mediedækning

Aalborg danmarksmester i forskning

Andersen, O. K.

02/12/2010

1 element af Mediedækning

AAU har udnævnt en ny prodekan

Andersen, O. K.

10/01/2017

1 element af Mediedækning

AAU-professorer i forskningsråd

Larsen, C. A., Andersen, O. K., Skouby, K. E., Rasmussen, P., Dahl, M. S., Giese, H. & Jensen, S. H.

02/12/2014

4 elementer af Mediedækning

AAU styrker det sundhedsvidenskabelige område

Graven-Nielsen, T., Farina, D., Hejlesen, O. & Andersen, O. K.

05/04/2008

1 element af Mediedækning

Projekter

Assesement of central sensitisation

Andersen, O. K. (PI (principal investigator))

Bevica Center for NeuroEngineering Solutions in Stroke Rehabilitation

Andersen, O. K. (PI (principal investigator)), Jensen, W. (PI (principal investigator)), Jørgensen, H. R. M. (Projektdeltager), Moeslund, T. B. (Projektdeltager), Mrachacz-Kersting, N. (Projektdeltager), Nielsen, J. F. (Projektdeltager), Petrini, L. (Projektdeltager), Spaich, E. G. (Projektdeltager), Modrau, B. (Projektdeltager), Svaneborg, N. (Projektdeltager), Larsen, B. (Projektdeltager) & Knudsen, G. H. (Projektdeltager)

01/09/2014 → 31/08/2019

Effortless Listening using Brain Feedback

Østergaard, J. (PI (principal investigator)), Andersen, O. K. (PI (principal investigator)), Arguissain, F. (PI (principal investigator)), Shahsavari Baboukani, P. (PI (principal investigator)) & Mohammadi, Y. (PI (principal investigator))

01/09/2019 → ...