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Neural Engineering and Neurophysiology
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Forskningsprofil

RESEARCH VISION AND MISSION

I believe in improving quality of life for people with impaired sensory or motor capabilities through development of innovative, implantable technological solutions that are inspired by human biology. I work towards bridging animal and human research to create unique knowledge and novel rehabilitation systems.

RESEARCH STRATEGY AND EXAMPLE RESEARCH PROJECTS

My research was initiated within animal work, and most of my work has been carried out in animal models – however since 2013, my work also taken a translational step towards clinical work. All my work is ultimately dedicated to the development of future clinical sensory and motor rehabilitation devices and therapies for use in human patients.

Example research projects: Animal model of ischemic stroke, Animal models of neuropathic and phantom limb pain, Direct sensory feedback to alleviate phantom limb pain, Invasive brain computer interfacing.

RESEARCH EXPERTISE

Specialist knowledge within the area of neural engineering, including new implantable technologies to assess, understand and modulate neuroplasticity for treatment of diseased or damaged neural system.

Experience with development and test of medical device equipment in collaboration with national and international companies.

Experience with development and test of medical equipment (invasive and non-invasive) at multi-national level (approvals obtained at the national ethical committee systems and national competent authorities for human tests, knowledge of performing animal and human tests to comply with the EU medical device directive).

Broad knowledge of national and international policies, strategies, mega-trends ect. within health.

Kvalifikationer

Biomedical Engineering and Science., Ph.D degree, Thesis title: Muscle Afferent Signals for FES Systems. Ph.D. in Biomedical Science and Engineering, Faculty of Engineering and Science, AAU.

Dimissionsdato: 22 mar. 2001

University pedagogics for assistant lecturers, AAU
2001 → 2003

Ansættelse

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Institut for Medicin og Sundhedsteknologi
Det Sundhedsvidenskabelige Fakultet
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Neural Engineering and Neurophysiology

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1 dec. 2015 → present

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Neural Engineering and Neurophysiology

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1 jan. 2000 → 31 dec. 4712

Center for Neuroplasticity and Pain

Det Sundhedsvidenskabelige Fakultet

Aalborg East, Danmark

1 feb. 2015 → present

Publikationer

High-frequency electrical stimulation increases cortical excitability and mechanical sensitivity in a chronic large animal model

Meijs, S., Andreis, F. R., Janjua, T. A. M., Graven-Nielsen, T. & Jensen, W., feb. 2025, I: *Pain*. 166, 2, s. e18-e26

Pigs as a translational animal model for the study of peak alpha frequency

Mazhari-Jensen, D. S., Jensen, W., Muhammadee Janjua, T. A., Meijs, S., Nørgaard Dos Santos Nielsen, T. G. & Andreis, F. R., 26 jan. 2025, I: *Neuroscience*. 565, s. 567-576 10 s.

Backward translation of human pain models - CNAP 10yr anniversary

Jensen, W., 2025

Comparison of Subdural and Intracortical Recordings of Somatosensory Evoked Responses

Andreis, F. R., Meijs, S., Nielsen, T. G. N. D. S., Janjua, T. A. M. & Jensen, W., nov. 2024, I: *Sensors*. 24, 21, 6847.

Spared ulnar nerve injury results in increased layer III-VI excitability in the pig somatosensory cortex

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Reliability of a cranial window for chronic epidural recordings from the pig primary somatosensory cortex

Meijs, S., Andreis, F. R., Janjua, T. A. M. & Jensen, W., 19 jul. 2024, *2024 46th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*. IEEE (Institute of Electrical and Electronics Engineers), s. 1-4 4 s. 10782109. (I E E E Engineering in Medicine and Biology Society. Conference Proceedings).

Porcine Model of Cerebral Ischemic Stroke Utilizing Intracortical Recordings for the Continuous Monitoring of the Ischemic Area

Nielsen, T. G. N. D. S., Dancause, N., Janjua, T. A. M., Andreis, F. R., Kjærgaard, B. & Jensen, W., 7 maj 2024, I: *Sensors*. 24, 10, 2967.

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Lontis, E. R., Yoshida, K. & Jensen, W., feb. 2024, I: *Prosthesis*. 6, 1, s. 1-23 23 s.

Morphology and morphometry of the ulnar nerve in the forelimb of pigs

Andreis, F. R., Metcalfe, B., Janjua, T. A. M., Fazan, V. P. S., Jensen, W., Meijs, S. & Nielsen, T. G. N. D. S., jan. 2024, I: *Anatomia, histologia, embryologia*. 53, 1, e12972.

Differences in intracortical responses following non-noxious and noxious stimulation in anaesthetized rats

Lykholt, L. E. D., Mørch, C. D. & Jensen, W., 15 dec. 2023, I: *Brain Research*. 1821, 148564.

Bringing sensation to prosthetic hands—chronic assessment of implanted thin-film electrodes in humans

Čvančara, P., Valle, G., Müller, M., Bartels, I., Guiho, T., Hiairassary, A., Petrini, F., Raspopovic, S., Strauss, I., Granata, G., Fernandez, E., Rossini, P. M., Barbaro, M., Yoshida, K., Jensen, W., Divoux, J. L., Guiraud, D., Micera, S. & Stieglitz, T., dec. 2023, I: *npj Flexible Electronics*. 7, 1, 51.

From pulse width modulated TENS to cortical modulation: based on EEG functional connectivity analysis

Jadidi, A. F., Jensen, W., Zarei, A. A., Lontis, E. R. & Atashzar, S. F., 2 aug. 2023, I: *Frontiers in Neuroscience*. 17, 1239068.

Referred Sensation Areas in Bilateral Upper Limb Amputee

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Spatio-Temporal Analysis of LTP-like Neuroplasticity in Pigs

Danyar, M. B., Clark, H. F., Atchuthan, N. A., Daugbjerg, L. K., Andersen, A. K., Janjua, T. A. M. & Jensen, W., 19 maj 2023, *11th International IEEE/EMBS Conference on Neural Engineering, NER 2023 - Proceedings*. IEEE (Institute of Electrical and Electronics Engineers), 4 s. (International IEEE/EMBS Conference on Neural Engineering, NER).

On determining the mechanical nociceptive threshold in pigs: a reliability study

Andreis, F. R., Mørch, C. D., Jensen, W. & Meijs, S., 17 maj 2023, I: *Frontiers in Pain Research*. 4, 1191786.

First Demonstration of Nociceptive and Non-Nociceptive Responses from Spinal Neurons in a Porcine Model

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Modulation of Intracortical S1 Responses Following Peripheral Nerve High-Frequency Electrical Stimulation in Danish Landrace Pigs

Janjua, T. A. M., Nielsen, T. G. N. D. S., Andreis, F. R., Meijs, S. & Jensen, W., 24 apr. 2023, *11th International IEEE/EMBS Conference on Neural Engineering, NER 2023 - Proceedings*. IEEE (Institute of Electrical and Electronics Engineers), 10123841. (International IEEE/EMBS Conference on Neural Engineering, NER).

On the Relationship Between Fascicle Diameter and Perineurium Thickness in the Ulnar Nerve of Pigs

Andreis, F. R., Metcalfe, B., Janjua, T. A. M., Fazan, V. P. S., Jensen, W., Meijs, S. & Nielsen, T. G. N. D. S., 24 apr. 2023, *11th International IEEE/EMBS Conference on Neural Engineering, NER 2023 - Proceedings*. IEEE (Institute of Electrical and Electronics Engineers), 10123782. (International IEEE/EMBS Conference on Neural Engineering, NER).

Alteration in Cortical Activity and Perceived Sensation Following Modulated TENS

Jadidi, A. F., Jensen, W., Zarei, A. A. & Lontis, R., 2023, I: *IEEE Transactions on Neural Systems and Rehabilitation Engineering*. 31, s. 875-883 9 s.

Simultaneous Modulation of Cortical Activity and Phantom Pain in a Patient with Brachial Plexus Injury

Zarei, A. A., Atashzar, S. F., Jensen, W., Jadidi, A. F. & Lontis, R., 2023, *11th International IEEE/EMBS Conference on Neural Engineering, NER 2023 - Proceedings*. IEEE (Institute of Electrical and Electronics Engineers), 10123824.

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AAU Forskningsindikator: Til fremme af AAU's Videnskabelige Publicering og Impact, Samarbejde, Synlighed, Åbenhed og Innovation

Stoustrup, J., Jensen, W., Kristensen, T. N., Larsen, B., Müller, C., Nielsen, T., Albretsen, J., Bjerg Bennike, K., Melchiorson, P. M., Sivertsen, G. & Stehouwer Øgaard, L. (Oversætter), 2023, Aalborg Universitet.

A novel technique combining transcutaneous electrical nerve stimulation with external tocography for automated and personalized labor pain control – a feasibility study

Thuvarakan, K., Prentow Lorentzen, I., Zimmermann, H., Hammer, A., Jensen, W. & Gazerani, P., okt. 2022, I: Neuromodulation: Technology at the Neural Interface. 25, Suppl. 7, s. S82-S83

Spared ulnar nerve injury results in increased layer III-VI excitability in the pig primary somatosensory cortex

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A Comparison of Delay-and-Add and Maximum Likelihood Estimation for Velocity-Selective Recording Using Multi-Electrode Cuffs

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Gamma-band Enhancement of Functional Brain Connectivity Following Transcutaneous Electrical Nerve Stimulation

Zarei, A. A., Jensen, W., Faghani Jadidi, A., Lontis, R. & Atashzar, S. F., apr. 2022, I: Journal of Neural Engineering. 19, 2, 12 s., 026020.

Effect of Modulated TENS on Corticospinal Excitability in Healthy Subjects

Jadidi, A. F., Stevenson, A. J. T., Zarei, A. A., Jensen, W. & Lontis, R., 1 mar. 2022, I: Neuroscience. 485, s. 53-64 12 s.

The Use of the Velocity Selective Recording Technique to Reveal the Excitation Properties of the Ulnar Nerve in Pigs

Andreis, F. R., Metcalfe, B., Janjua, T. A. M., Jensen, W., Meijs, S. & Nielsen, T. G. N. D. S., 1 jan. 2022, I: Sensors. 22, 1, 58.

The effect of peripheral high-frequency electrical stimulation on the primary somatosensory cortex in pigs

Janjua, T. A. M., Nielsen, T. G. N. D. S., Andreis, F. R., Meijs, S. & Jensen, W., dec. 2021, I: IBRO neuroscience reports. 11, s. 112-118 7 s.

A systematic review of porcine models in translational pain research

Meijs, S., Schmelz, M., Meilin, S. & Jensen, W., nov. 2021, I: Lab Animal. 50, s. 313-326

Effect of Pulse-width Modulated Sensory Feedback on Cortical Excitability

Jadidi, A. F., Zarei, A. A., Lontis, R. & Jensen, W., 31 aug. 2021.

Sensory Feedback to Investigate and Drive Cortical Plasticity

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Short-term Suppression of Somatosensory Evoked Potentials and Perceived Sensations in Healthy Subjects Following TENS

Zarei, A. A., Jadidi, A. F., Lontis, R. & Jensen, W., jul. 2021, I: *IEEE Transactions on Biomedical Engineering*. 68, 7, s. 2261-2269 9 s., 9321509.

Correlation between Anesthesia Level and Cortical Oscillations: The Problem with Anesthetized Animal Studies

Tøttrup, L. & Jensen, W., 27 jun. 2021, *Proceedings for the IASP World Congress on Pain 2021*. 2 s.

Porcine models in pain research

Meijs, S. & Jensen, W., jun. 2021.

Altered evoked low-frequency connectivity from SI to ACC following nerve injury in rats

Tøttrup, L., Atashzar, S. F., Farina, D., Kamavuako, E. N. & Jensen, W., 24 maj 2021, I: *Journal of Neural Engineering*. 18, 4, 046063.

Modulation of SI and ACC response to noxious and non-noxious electrical stimuli after the spared nerve injury model of neuropathic pain

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Online Closed-Loop Control Using Tactile Feedback Delivered Through Surface and Subdermal Electrotactile Stimulation

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Ethical Assessment and Reflection in Research and Development of Non-Conformité Européene Marked Medical Devices

Telléus, P. K. & Jensen, W., okt. 2020, I: *Cambridge Quarterly of Healthcare Ethics*. 29, 4, s. 592-606 15 s.

Modulation of Corticospinal Excitability by Two Different Somatosensory Stimulation Patterns: A Pilot Study

Jadidi, A. F., Zarei, A. A., Lontis, R. & Jensen, W., 20 jul. 2020, *2020 42nd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC)*. IEEE (Institute of Electrical and Electronics Engineers), s. 3573-3576 4 s. 9175393. (IEEE Engineering in Medicine and Biology Society. Conference Proceedings).

Transcutaneous Electrical Stimulation Influences the Time-Frequency Map of Cortical Activity - A Pilot Study

Zarei, A. A., Faghani Jadidi, A., Lontis, R. & Jensen, W., 20 jul. 2020, *2020 42nd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC): Enabling Innovative Technologies for Global Healthcare, EMBC 2020*. IEEE (Institute of Electrical and Electronics Engineers), s. 3905-3908 4 s. 9176023. (IEEE Engineering in Medicine and Biology Society. Conference Proceedings).

Stability of flexible thin-film metallization stimulation electrodes: analysis of explants after first-in-human study and improvement of *in vivo* performance

Čvančara, P., Boretius, T., López-Álvarez, V. M., Maciejasz, P., Andreu, D., Raspopovic, S., Petrini, F. M., Micera, S., Granata, G., Fernandez, E., Rossini, P. M., Yoshida, K., Jensen, W., Divoux, J.-L., Guiraud, D., Navarro, X. & Stieglitz, T., 8 jul. 2020, I: *Journal of Neural Engineering*. 17, 4, 1 s., 046006.

Referred Sensation Areas in a Bilateral Toes Amputee

Lontis, E. R., Yoshida, K. & Jensen, W., jul. 2020, *2020 42nd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC)*. IEEE (Institute of Electrical and Electronics Engineers), s. 3569-3572 4 s. (IEEE Engineering in Medicine and Biology Society. Conference Proceedings).

A Multiday Evaluation of Real-Time Intramuscular EMG Usability with ANN

Waris, A., Zia Ur Rehman, M., Niazi, I. K., Jochumsen, M., Englehart, K., Jensen, W., Haavik, H. & Kamavuako, E. N., 15 jun. 2020, I: *Sensors (Basel, Switzerland)*. 20, 12, s. 1-13 13 s., 3385.

The Short-Term Repeatability of Subdermal Electrical Stimulation for Sensory Feedback

Dong, J., Kamavuako, E. N., Dosen, S., Jensen, W. & Geng, B., 1 jan. 2020, I: *IEEE Access*. 8, s. 63983-63992 10 s., 9051664.

The Variability of Psychophysical Parameters following Surface and Subdermal Stimulation: A Multiday Study in Amputees
Dong, J., Geng, B., Niazi, I. K., Amjad, I., Dosen, S., Jensen, W. & Kamavuako, E. N., jan. 2020, I: IEEE Transactions on Neural Systems and Rehabilitation Engineering. 28, 1, s. 174-180 7 s., 8918067.

Nerve Injury Decreases Hyperacute Resting-State Connectivity Between the Anterior Cingulate and Primary Somatosensory Cortex in Anesthetized Rats

Tøttrup, L., Atashzar, S. F., Farina, D., Kamavuako, E. N. & Jensen, W., 2020, I: IEEE Transactions on Neural Systems and Rehabilitation Engineering. 28, 12, s. 2691-2698 8 s.

A New Treatment for Phantom Limb Pain Based on Restoration of Somatosensory Feedback Through Intraneural Electrical Stimulation

Granata, G., Jensen, W., Divoux, J.-L., Guiraud, D., Micera, S., Navarro, X., Stieglitz, T., Yoshida, K. & Rossini, P. M., dec. 2019, *Direct Nerve Stimulation for Induction of Sensation and Treatment of Phantom Limb Pain*. River Publishers, s. 233-253 (River Publishers Series in Biomedical Engineering).

Biocompatibility of the TIME Implantable Nerve Electrode

Badia, J., Kundu, A., Harreby, K. R., Boretius, T., Stieglitz, T., Jensen, W. & Navarro, X., dec. 2019, *Direct Nerve Stimulation for Induction of Sensation and Treatment of Phantom Limb Pain*. River Publishers, s. 155-169 (River Publishers Series in Biomedical Engineering).

Computerized "Psychophysical Testing Platform" to Control and Evaluate Multichannel Electrical Stimulation-Based Sensory Feedback

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Introduction

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Selectivity of the TIME Implantable Nerve Electrode

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Introduction

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Latency of ACC and SI processing of noxious and non-noxious electrical stimulation

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Keep Track of your Publications and Citations (HST): HST and the VBN Team Recommend

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Modulation of cortical activity by selective steady-state somatosensory stimulation

Zarei, A., Lontis, R. & Jensen, W., 2019, *2019 41st Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*. IEEE (Institute of Electrical and Electronics Engineers), s. 421-424 4 s. 8856443. (Conference proceedings : ... Annual International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Engineering in Medicine and Biology Society. Conference).

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A new rat model of seizures suitable for screening antiepileptic electrical stimulation therapies

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Electroneurography

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Electrophysiological response dynamics during focal cortical infarction

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Neuro-fuzzy extraction of angular information from muscle afferents for ankle control during standing in paraplegic subjects: an animal model

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The rabbit model and LIFE as a neural interface

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Using nerve signals from muscle afferent electrodes to control FES-based ankle motion in a rabbit

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Effect of intertrial delay on whole nerve cuff recordings of muscle afferents in rabbits

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Nerve cuff recordings of muscle afferent activity from tibial and peroneal nerves in rabbit during passive ankle motion

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On-line joint angle estimation based on nerve cuff recordings from muscle afferents

Jensen, W., Riso, R. R. & Sepulveda, F., 2000, *IFESS 2000. NP 2000, Proceedings, 5th Annual Conference of the International Functional Electrical Stimulation Society, 6th Triennial Conference "Neural Prostheses: Motor Systems", 18-24 June 2000, Aalborg, Denmark.* Sinkjær, T., Popovic, D. & Struijk, J. J. (red.). Center for Sensory-Motor Interaction (SMI), Department of Health Science and Technology, Aalborg University, s. 376-377

A fuzzy model for extraction of angular position information from whole nerve cuff muscle afferent recordings: preliminary results

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Nerve cuff recordings of muscle afferents during electrical stimulation of agonist-antagonist muscle pain

Jensen, W., Riso, R. R. & Sinkjær, T., 1999, *IFESS 1999, Proceedings of the 4th Annual Conference of the International Functional Electrical Stimulation Society, 23-27 August 1999, Sendai, Japan.* s. 303-306

Effect of initial position on nerve cuff recordings of muscle afferents during passive rotation of the ankle joint in rabbit

Jensen, W., Riso, R. R. & Sinkjær, T., 1998, *Abstract Book, 4th International Congress, INS/IFESS, 16-20 September 1998, Lucerne, Switzerland.* s. 252, No. PP19

Position information in whole nerve cuff recordings of muscle afferents in a rabbit model of normal and paraplegic standing

Jensen, W., Riso, R. R. & Sinkjær, T., 1998, *Proceedings of the 20th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Vol. 20, No. 5, 29 October-1 November 1998, Hong Kong.* s. 2528-2531

Causal probabilistic network and power spectral estimation used in sleep stage classification

Nielsen, K. D., Kjær, A., Jensen, W., Dyrby, T., Andreasen, L. N. S., Andersen, J. & Andreassen, S., 1997, I: *Methods of Information in Medicine.* 36, s. 345-348

Nerve cuff recordings of muscle afferent activity during passive joint motion in a rabbit

Sinkjær, T., Riso, R. R., Mosallaei, F., Jensen, W. & Lawrence, S., 1997, *IFESS 97, Proceedings of the 2nd Annual Conference, International Functional Electrical Stimulation Society and the 5th Triennial Conference: Neural Prostheses Motor Systems (NP 97), 16-21 August 1997, Burnaby, Canada.* s. 219-220

Causal probabilistic network and power spectral estimation used for sleep classification

Nielsen, K. D., Andersen, J. M., Andreasen, L. N. S., Dyrby, T., Jensen, W., Kjær, A. G. & Andreassen, S., 1996, *Proceedings of the 2nd IFMBE-IMIA International Workshop on Biosignal Interpretation, International Federation for Medical and Biomedical Engineering (IFMBE)*, 1996. s. 211-214

Identification of the relationship between center of pressure and ankle angle during standing of normal subjects

Jensen, W., Struijk, L. N. S. A., Veltink, P. H. & Mayagoitia, R., 1996, *Proceedings of the 18th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 31 October-3 November 1996, Amsterdam, the Netherlands*. Bind 2. s. 575-576

Natural sensory feedback for control of standing

Struijk, L. N. S. A., Jensen, W., Veltink, P. H. & Struijk, J. J., 1996, *Proceedings of the 18th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 31 October-3 November 1996, Amsterdam, the Netherlands*. Bind 1. s. 441-442

Aktiviteter**Backward translation of human pain models - CNAP 10yr anniversary**

Jensen, W. (Foredragsholder)
6 maj 2025

Facilitatoruddannelsen (Playmakers.dk)

Jensen, W. (Andet)
2024

AAU Interdisciplinary Leadership Course

Jensen, W. (Andet)
2023

Udvalget til konstruktion af forskningsindikator på AAU (Begivenhed)

Stoustrup, J. (Forperson), Jensen, W. (Medlem), Kristensen, T. N. (Medlem), Larsen, B. (Medlem), Albretsen, J. (Medlem), Müller, C. (Medlem), Nielsen, T. (Medlem), Bjerg Bennike, K. (Medlem), Melchiorson, P. M. (Medlem) & Sivertsen, G. (Medlem)
sep. 2022 → feb. 2023

Aalborg Universitet - proceskonsulentuddannelsen (Mannaz.dk)

Jensen, W. (Andet)
2020

Studielederkursus (SyddanskUniversitet.dk)

Jensen, W. (Andet)
2014

Opponent on Ph.D-defense (Ekstern organisation)

Jensen, W. (Medlem)
30 mar. 2012

Forskeren som leder - ledelse af forskere på AAU

Jensen, W. (Andet)
2012

UIC animal Care Committee Training (University of Illinois at Chicago)

Jensen, W. (Andet)
2003

Univesitetspædagogik for adjunkter (Aalborg Universitet)

Jensen, W. (Andet)

2001 → 2003

Dyreforsøgskundskab

Jensen, W. (Andet)

1997

Priser

3rd Best Paper Award

Rettore Andreis, F. (Modtager), Jensen, W. (Modtager), Janjua, T. (Modtager), Meijs, S. (Modtager) & Nielsen, T. G. N. D. S. (Modtager), okt. 2023

Ridder af Dannebrogordenen

Jensen, W. (Modtager), 9 okt. 2024

Vanførefondens forskningspris

Jensen, W. (Modtager), 2016

Presse/medie

10 teknologiske tendenser, du bør kende: #4. Trådløse signaler mellem hjerne og muskel erstatter ødelagt rygmarv

Jensen, W.

03/05/2017

1 element af Mediedækning

Banebrydende metode kan hjælpe amputerede

Jensen, W. & Sørensen, P.

23/02/2016

1 element af Mediedækning

Behandling af fantomsmerter hos amputerede

Lontis, R. & Jensen, W.

20/02/2024

1 element af Mediedækning

Bionisk protese

Jensen, W.

26/02/2015

1 element af Mediedækning

Commentary: Geometric Characterisation of Local Changes in Tungsten Microneedle Tips after In-Vivo Insertion into Peripheral Nerves

Jensen, W.

06/09/2022

1 element af Mediedækning

Danske forsøgspersoner skal have elektroder opereret ind i nerverne

Jensen, W.

25/03/2014

6 elementer af Mediedækning

Dansker med fingerprotese føler teksturer for første gang i verden

Jensen, W.

09/03/2016

1 element af Mediedækning

Det hele kommer fra hjernen af

Jensen, W.

30/11/2013

1 element af Mediedækning

Elektroniske nerver

Jensen, W.

12/12/2008

1 element af Mediedækning

En robotarm og to bioniske øjne, tak!

Jensen, W.

18/10/2015

1 element af Mediedækning

En robotarm og to bioniske øjne, tak!

Jensen, W.

19/10/2015

2 elementer af Mediedækning

En underlig "kriblen-krablen"

Jensen, W.

01/11/2008

1 element af Mediedækning

Forskere vil manipulere med fantomsmerter

Jensen, W.

22/02/2008

1 element af Mediedækning

Forskere vil snyde kroppens fantomsmerter

Jensen, W.

13/12/2013

50 elementer af Mediedækning

Forskning i fantomsmerter

Jensen, W.

22/02/2008

1 element af Mediedækning

Forskning i fantomsmerter

Jensen, W.

22/02/2008

2 elementer af Mediedækning

Forskning i neuroteknologi giver store muligheder

Struijk, J., Rijkhoff, N., Jensen, W. & Sinkjær, T.

12/12/2008

1 element af Mediedækning

Forsøgsdyr i forskningens tjeneste

Jensen, W.
01/12/2007
1 element af Mediedækning

Fremtidens menneske kan trække på to typer reservedele

Jensen, W.
10/04/2015
2 elementer af Mediedækning

Grise hjælper forskere med at bekæmpe fantomsmerter

Jensen, W.
17/03/2016
2 elementer af Mediedækning

Hjerne-Madsen underholder fuld AAU-sal

Hüttel, H., Hansen, K. T. & Jensen, W.
04/11/2014
2 elementer af Mediedækning

Implantat i hjernen viser vej til helbredelse

Jensen, W.
16/06/2011
1 element af Mediedækning

Jagten på supermennesket

Jensen, W. & Birkholm, K.
06/02/2015
4 elementer af Mediedækning

Lam teenager i robotdragt skal sparke VM i gang

Jensen, W.
12/06/2014
1 element af Mediedækning

Medicinske muligheder

Jensen, W.
25/08/2015
1 element af Mediedækning

Moderne mirakler

Struijk, L. N. S. A., Bentsen, B., Jensen, W. & Lontis, E. R.
27/03/2017
1 Mediebidrag

Navnenyt

Graven-Nielsen, T., Arendt-Nielsen, L., Andersen, O. K. & Jensen, W.
21/10/2014
1 element af Mediedækning

Nye medlemmer af ATV

Jensen, W. & Kanstrup, A. M.
07/05/2014
5 elementer af Mediedækning

Nye medlemmer af ATV

Kanstrup, A. M. & Jensen, W.

28/05/2014

1 element af Mediedækning

Nyt forskningsprojekt skal komme fantomsmerter til livs

Jensen, W.

13/12/2013

1 element af Mediedækning

Nyt forskningsprojekt skal komme fantomsmerter til livs

Jensen, W.

25/03/2014

1 element af Mediedækning

Ny viden om nerverne kan genskabe organer og sanser

Rijkhoff, N., Struijk, J., Jensen, W. & Sinkjær, T.

13/12/2008

2 elementer af Mediedækning

Når de lamme skal gå

Jensen, W.

24/06/2014

1 element af Mediedækning

Professorer modtager ridderkorset

Duedahl, P., Jensen, W. & Kørnøv, L.

20/11/2024 → 21/11/2024

2 elementer af Mediedækning

Robotteknologi: Dansker føler med kunstig hånd

Jensen, W.

05/02/2014

13 elementer af Mediedækning

Rotter skal løse blodprop-gåde

Jensen, W.

16/06/2011

2 elementer af Mediedækning

Spørg Scientariat: Hvor meget elektricitet kan menneskekroppen holde til?

Jensen, W.

06/05/2017

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

Sundhedsteknologi: Så tæt er vi på at være cyborgs

Jensen, W.

16/10/2012

2 elementer af Mediedækning

Superkroppe og fantomsmerter

Jensen, W.
03/02/2025
1 element af Mediedækning

Supermennesker

Jensen, W.
24/10/2014
1 element af Mediedækning

Tre professorer fra AAU modtager ridderkors

Duedahl, P., Jensen, W. & Kørnøv, L.
13/12/2024
1 element af Mediedækning

Vanførefondens Forskerpris til AAU forsker

Jensen, W.
15/06/2016
3 elementer af Mediedækning

Vanførefondens Forskerpris til AAU-professor

Jensen, W.
24/05/2016
12 elementer af Mediedækning

Winnie Jensen

Jensen, W.
05/10/2011
2 elementer af Mediedækning

Winnie Jensen - returned associate professor at Aalborg University

Jensen, W.
05/02/2009
1 element af Mediedækning

Aalborg-forskere fjerner fantomsmerter med strøm

Jensen, W.
14/11/2016
2 elementer af Mediedækning

Aalborg Universitet vil behandle fantomsmerter

Jensen, W.
01/02/2016
2 elementer af Mediedækning

Projekter**Advancing Peripheral Nerve Interfaces in a Large Animal Model**

Rettore Andreis, F. (PI (principal investigator)), Jensen, W. (Projektleder) & Nielsen, T. G. N. D. S. (Supervisor)
01/04/2019 → 01/07/2022

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

EPIONE: EPIONE- Natural sensory feedback for phantom limb modulation and therapy

Jensen, W. (PI (principal investigator)), Nielsen, T. G. N. D. S. (Projektdeltager), Lontis, E. R. (Projektdeltager), Geng, B. (Projektdeltager) & Harreby, K. R. (PI (principal investigator))
01/07/2013 → 01/07/2017

Konstruktion af forskningsindikator til AAU

Stoustrup, J. (PI (principal investigator)), Jensen, W. (Col (co-investigator)), Kristensen, T. N. (Col (co-investigator)), Larsen, B. (Col (co-investigator)), Müller, C. (Col (co-investigator)), Nielsen, T. (Col (co-investigator)), Albrechtsen, J. (Col (co-investigator)), Bjerg Bennike, K. (Col (co-investigator)), Melchiorson, P. M. (Col (co-investigator)) & Sivertsen, G. (Col (co-investigator))
Aalborg University
14/09/2022 → 31/12/2023

Neural Mechanisms in Ischemic Stroke

Jensen, W. (PI (principal investigator)), Nielsen, T. G. N. D. S. (Projektdeltager) & Nielsen, R. K. (Projektdeltager)
01/04/2005 → ...

Phantom Limb Pain - Neural Mechanisms And Innovative Treatments

Jensen, W. (PI (principal investigator)), Lontis, E. R. (Col (co-investigator)), Jadidi, A. F. (Projektdeltager) & Zarei, A. A. (Projektansøger)
01/09/2015 → 01/09/2025

Translational Animal Models of Pain

Jensen, W. (PI (principal investigator)), Meijs, S. (Projektdeltager), Rettore Andreis, F. (Projektdeltager), Atchuthan, N. A. (Projektdeltager), Nielsen, T. G. N. D. S. (Projektdeltager), Janjua, T. (Projektdeltager), Tøttrup, L. (Projektdeltager) & Nielsen, R. K. (Projektdeltager)
01/09/2015 → 01/09/2025

TIME: Transverse, Intrafascicular Multichannel Electrode system for Induction of sensation and treatment of phantom limb pain in amputees

Jensen, W. (Projektdeltager), Geng, B. (PI (principal investigator)), Kundu, A. (Projektdeltager), Harreby, K. R. (Projektdeltager) & Lontis, E. R. (Projektansøger)
01/05/2008 → 30/04/2012