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Institut for Medicin og Sundhedsteknologi
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Neural Engineering and Neurophysiology
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Forskningsprofil

Mine primære forskningsinteresser omfatter bevægelsesneurovidenskab, neurofysiologi, motorisk kontrol og indlæring, elektrofysiologi, kortikal stimulation, neuroplasticitet og neurorehabilitering.

Kvalifikationer

Universitetspædagogikum
2016 → 2017

Neurofysiologi, Ph.D.
2011 → 2015

Kinesiology, M.Sc., University of British Columbia
2009 → 2011

Idræt, Psykologi, B.Sc., The University of Auckland
2005 → 2008

Ansættelse

Lektor

Lektor
Institut for Medicin og Sundhedsteknologi
Det Sundhedsvidenskabelige Fakultet
Gistrup, Danmark
1 feb. 2015 → 31 dec. 4712

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Gistrup, Danmark
1 feb. 2015 → 31 dec. 4712

Center for Neuroteknologi og Rehabilitering (CNR)

Det Sundhedsvidenskabelige Fakultet
1 jan. 2022 → present

Neuroboost

Det Humanistiske og Samfundsvidenskabelige Fakultet
Aalborg, Danmark
24 nov. 2022 → present

Medlem af

Censor Corps for Engineering
Danmark
1 jan. 2023 → present

Medlem af

Censor Corps for Sport Science
Danmark
1 jan. 2018 → present

Ekstern Lektor

Aarhus University
Aarhus, Danmark
1 jan. 2017 → present

Publikationer

Specificity of Pairing Afferent and Efferent Activity for Inducing Neural Plasticity with an Associative Brain–Computer Interface

Dalgaard, K. S., Lavesen, E. R., Sulkjær, C. S., Stevenson, A. J. T. & Jochumsen, M., 14 jan. 2026, I: *Sensors*. 26, 2, 549.

Empowering accessibility: Human-centered approach to a BCI home control for impaired people

Ramos, J., Silva, S., Marques, B., Pais-Vieira, M., Stevenson, A. J. T. & Brás, S., dec. 2025, *2025 47th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*. IEEE (Institute of Electrical and Electronics Engineers), Bind 2025. s. 1-7 7 s. 11253641. (I E E E Engineering in Medicine and Biology Society. Conference Proceedings).

BCI-PRIME: priming motor learning with an associative brain computer interface

Stevenson, A. J. T. & Svejgaard, B., 27 nov. 2025.

BCI-PRIME: priming motor learning with an associative brain computer interface perspectives for neurorehabilitation

Stevenson, A. J. T. & Svejgaard, B., 6 nov. 2025, *Symposium for Klinisk Forskning og Udvikling Abstractbog*. s. 194-195 83

Human-centered brain-computer interfaces: Home control for impaired users

Ramos, J., Silva, S., Marques, B., Pais-Vieira, M., Stevenson, A. J. T. & Brás, S., 31 okt. 2025.

Neurorehabilitation Technologies

Stevenson, A. J. T., Spaich, E. G., Kantan, P. R., Larsen, L. H., Lorentzen, J. & Sinkjær, T., 25 okt. 2025, *Neuroplasticity-based Neurorehabilitation*. Nielsen, J. B., Frisk, R. F., Lorentzen, J. & Højtkjær Larsen, L. (red.). Springer, s. 241-255 15 s.

Electroencephalogram (EEG) dataset challenges in motor imagery (MI) brain-machine interfaces (BMIs)

Ramos, J., Pais-Vieira, M., Stevenson, A. J. T. & Brás, S., 17 okt. 2025.

Early ArmeoSpring intervention and total training time improves fine motor function in the upper limb following stroke

Svejgaard, B., Rughaven, A.-C., Wested, C. L. & Stevenson, A. J. T., 28 mar. 2025.

Test–Retest Reliability and Concurrent Validity of FysioMeter C-Station Assessing Lower-Limb Muscle Strength via Isometric Mid-Thigh Pulls

Sakstrup, M. G., Schmidt, A., O'Neill, S., Green, B., Jørgensen, M. G. & Stevenson, A. J. T., feb. 2025, I: *Applied Sciences*. 15, 3, 1234.

Associative brain-computer interface training increases wrist extensor corticospinal excitability in patients with subacute stroke

Svejgaard, B., Modrau, B., Hernández-Gloria, J. J., Wested, C. L., Dosen, S., Stevenson, A. J. T. & Mrachacz-Kersting, N., 1 jan. 2025, I: *Journal of Neurophysiology*. 133, 1, s. 333-341 9 s.

An experimental staircase to study the contribution of sensory feedback to motor neuronal drive during stair climbing in able bodied humans

Andersen, A. B., Abedi, P., Stevenson, A. J. T. & Sinkjær, T., 8 okt. 2024.

Perturbation-based balance training of older adults and effects on physiological, cognitive and sociopsychological factors: A secondary analysis from a randomised controlled trial with 12-month follow-up

Nørgaard, J. E., Andersen, S., Ryg, J., Andreasen, J., Oliveira, A. S., Stevenson, A. J. T., Danielsen, M. A. B. & Jørgensen, M. G., 7 aug. 2024, I: *BMJ Open*. 14, 8, 9 s., e080550.

An experimental staircase to study the contribution of sensory feedback to motor neuronal drive during stair climbing in able bodied humans

Abedi, P., Andersen, A. B., Stevenson, A. J. T. & Sinkjær, T., 16 jun. 2024.

Brain Computer Interface x ArmeoSpring Exoskeleton: Combined neurotechnological rehabilitation of post stroke arm weakness

Svejgaard, B., Wested, C. L., Rughaven, A.-C. & Stevenson, A. J. T., jan. 2024.

Neurorehabilitation technologies chapter: Complete list of references

Stevenson, A. J. T., Spaich, E. G., Kantan, P. R., Larsen, L. H., Lorentzen, J. & Sinkjær, T., 2024

En simpel klinisk test til estimering af MEP-status hos stroke-patienter med armparese

Svejgaard, B., Holland, I. D., Wested, C. L. & Stevenson, A. J. T., 24 nov. 2023.

Spinal sensory feedback contribution to soleus EMG during stair ascent in able bodied humans

Andersen, A. B., Stevenson, A. J. T., Nielsen, J. B. & Sinkjær, T., 13 nov. 2023.

Mirror therapy to improve upper limb motor evoked potential status in patients with subacute stroke

Wested, C., Svejgaard, B. & Stevenson, A. J. T., 2 nov. 2023, s. 86-87.

Rehabilitation of the upper extremity in subacute stroke patients using the ArmeoSpring exoskeleton

Rughaven, A.-C., Svejgaard, B. & Stevenson, A. J. T., 2 nov. 2023, s. 90-91.

The North Denmark Arm Laboratory: A pilot study in neurotechnological rehabilitation of upper limb weakness in chronic stroke

Svejgaard, B., Wested, C., Rughaven, A.-C., Brasholt, M. & Stevenson, A. J. T., 2 nov. 2023, s. 88-89.

BCI-STAR Project: Associative brain computer interface for upper limb rehabilitation following stroke

Jørgensen, B. J. S., Stevenson, A. J. T., Rovsing Møller Jørgensen, H., Modrau, B., Dosen, S. & Mrachacz-Kersting, N., jul. 2023, I: *European Journal of Neurology*. 30, Suppl. 1, s. 67 OPR-030.

BCI-STAR project: Associative brain computer interface for upper limb rehabilitation following stroke

Jørgensen, B. J. S., Stevenson, A. J. T., Rovsing Møller Jørgensen, H., Modrau, B., Dosen, S. & Mrachacz-Kersting, N., jun. 2023, *10th International BCI Meeting: Abstract Book*. Technical University of Graz Publishing, s. 65 144431

Inspiratory pressure waveform influences time to failure, respiratory muscle fatigue, and metabolism during resistive breathing

Poulsen, M. K., Rees, S. E., Hansen, J., Stevenson, A. J. T., Kjærgaard, S. C., Volta, C. A., Spadaro, S. & Karbing, D. S., 5 maj 2023, I: *Physiological Reports*. 11, 9, e15668.

Effect of Treadmill Perturbation-Based Balance Training on Fall Rates in Community-Dwelling Older Adults: A Randomized Clinical Trial

Nørgaard, J. E., Andersen, S., Ryg, J., Stevenson, A. J. T., Andreasen, J., Oliveira, A. S., Danielsen, M. A. B. & Jørgensen, M. G., 20 apr. 2023, I: JAMA Network Open. 6, 4, e238422.

BCI-STAR Project: Associative brain computer interface for upper limb rehabilitation following stroke

Jørgensen, B. J. S., Stevenson, A. J. T., Rovsing Møller Jørgensen, H., Dosen, S. & Modrau, B., 2023.

Ischemic preconditioning attenuates rating of perceived exertion but does not improve maximal oxygen consumption or maximal power output

ter Beek, F., Jokumsen, P. S., Sloth, B. N., Stevenson, A. J. T. & Larsen, R. G., sep. 2022, I: Journal of Strength and Conditioning Research. 36, 9, s. 2479-2485 7 s.

Inspiratory pressure pattern affects respiratory muscle fatigue during resistive breathing

Poulsen, M., Hansen, J., Rees, S., Stevenson, A., Kjærgaard, S., Volta, C., Spadaro, S. & Karbing, D., jun. 2022, I: Chest. 161, Suppl. 6, s. 491A

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.

Effects of treadmill slip and trip perturbation-based balance training on falls in community-dwelling older adults (STABILITY): study protocol for a randomised controlled trial

Nørgaard, J. E., Andersen, L. S., Ryg, J., Stevenson, A. J. T., Andreasen, J., Danielsen, M. A. B., Oliveira, A. S. & Jørgensen, M. G., feb. 2022, I: BMJ Open. 12, 2, e052492.

Short-interval intracortical inhibition and facilitation targeting upper and lower limb muscles

Mrachacz-Kersting, N., Stevenson, A. J. T. & Ziemann, U., 9 nov. 2021, I: Scientific Reports. 11, 1, 21993.

BCI-STAR PROJECT: Brain Computer Interface for upper limb rehabilitation following stroke

Jørgensen, B. J. S., Stevenson, A. J. T., Rovsing Møller Jørgensen, H., Kristensen, C. C. H., Svaneborg, N. & Dosen, S., nov. 2021.

Contralateral Transfer of the Phenomenon of Repeated Bout Rate Enhancement in Unilateral Index Finger Tapping

Hansen, E. A., Bak, S., Knudsen, L., Seiferheld, B., Stevenson, A. J. T. & Emanuelson, A., 2020, I: Journal of Motor Behavior. 52, 1, s. 89-96 8 s.

Iskæmisk prækonditionering: Effekter på fysisk præstationsevne og karfunktion?

Larsen, R. G., Jokumsen, P. S., ter Beek, F., Sloth, B. N., Aboo, C., Thomsen, G. V., Henriksen, M. R. & Stevenson, A. J. T., 20 jun. 2019, I: Dansk Sportsmedicin. 6 s.

Brain-state dependent stimulation boosts functional recovery following stroke

Mrachacz-Kersting, N., Stevenson, A. J. T., Rovsing Møller Jørgensen, H., Severinsen, K., Aliakbaryhosseinabadi, S., Jiang, N. & Farina, D., 1 jan. 2019, I: Annals of Neurology. 85, 1, s. 84-95 12 s.

Brain state-dependent peripheral nerve stimulation for plasticity induction in stroke patients

Stevenson, A. J. T., Jørgensen, H. R. M., Severinsen, K. E., Aliakbaryhosseinabadi, S., Jiang, N., Farina, D. & Mrachacz-Kersting, N., 2019, *Converging Clinical and Engineering Research on Neurorehabilitation III: Proceedings of the 4th International Conference on NeuroRehabilitation (ICNR2018), October 16–20, 2018, Pisa, Italy*. Masia, L., Micera, S., Akay, M. & Pons, J. L. (red.). Springer, s. 1066-1070 5 s. (Biosystems and Biorobotics; Nr. 21).

Brain-state dependent peripheral nerve stimulation for plasticity induction targeting upper-limb

Mrachacz-Kersting, N., Dosen, S., Aliakbaryhosseinabadi, S., Pereira, E. M., Stevenson, A. J. T., Jiang, N. & Farina, D., 2019, *Converging Clinical and Engineering Research on Neurorehabilitation III: Proceedings of the 4th International Conference on NeuroRehabilitation (ICNR2018), October 16–20, 2018, Pisa, Italy*. Masia, L., Micera, S., Akay, M. & Pons, J. L. (red.). Springer, s. 1061-1065 5 s. (Biosystems and Biorobotics; Nr. 21).

Brain state-dependent stimulation to boost recovery of upper limb function following stroke

Stevenson, A. J. T., Jørgensen, B. J. S., Jørgensen, H. R. M., Modrau, B., Svaneborg, N., Dosen, S. & Mrachacz-Kersting, N., 2019.

Contralateral transfer of repeated bout rate enhancement in rhythmic movement

Hansen, E. A., Sørensen, S. B., Knudsen, L., Seiferheld, B., Stevenson, A. J. T. & Emanuelsen, A., 2019, *29th NCM Annual Meeting: Abstract Booklet*. Toyama: Society for the Neural Control of Movement, s. 127-128 2-F-76

Delayed muscle onset soreness in the gastrocnemius muscle attenuates the spinal contribution to interlimb communication

Gervasio, S., Finocchietti, S., Stevenson, A. J. T. & Mrachacz-Kersting, N., nov. 2018, I: *European Journal of Applied Physiology*. 118, 11, s. 2393-2402 10 s.

Freely chosen finger tapping frequency is increased between limbs during repeated bout rate enhancement

Seiferheld, B., Sørensen, S. B., Knudsen, L., Hansen, E. A., Stevenson, A. J. T. & Emanuelsen, A., 5 okt. 2018, *Program & Abstracts, 10th Annual Meeting of the Danish Society of Biomechanics, 5 October 2018, Brøndby, Denmark*. Danish Society of Biomechanics, s. 29

Decrease in force steadiness with aging is associated with increased power of the common but not independent input to motor neurons

Castronovo, A. M., Mrachacz-Kersting, N., Stevenson, A. J. T., Holobar, A., Enoka, R. M. & Farina, D., 1 okt. 2018, I: *Journal of Neurophysiology*. 120, 4, s. 1616-1624 9 s.

A single session of remote ischemic preconditioning does not enhance fine motor skill learning

Fischer, J., Hegtmann, C., Henriksen, M. R., Krogh, M., Krogh, M., Thomsen, G. V., Larsen, R. G. & Stevenson, A. J. T., 2018, *Book of Abstracts, 23rd Annual Congress of the European College of Sport Science, ECSS, 4-7 July 2018, Dublin, Ireland*. European College of Sport Science, s. 425 1 s.

Group Ia afferents likely contribute to short-latency interlimb reflexes in the human biceps femoris muscle

Stevenson, A. J. T., Kamavuako, E. N., Geertsen, S. S., Gervasio, S., Farina, D. & Mrachacz-Kersting, N., 21 jul. 2017, *Progress in Motor Control (PMC) XI*. 2 s.

Short-interval intracortical inhibition and facilitation targeting the tibialis anterior muscle

Davodian, D., Stevenson, A. J. T., Ziemann, U. & Mrachacz-Kersting, N., 20 jul. 2017, *Progress in Motor Control (PMC) XI, 19-22 July 2017, Miami, FL, USA*.

Paired associative stimulation targeting the tibialis anterior muscle using either mono or biphasic transcranial magnetic stimulation

Mrachacz-Kersting, N. & Stevenson, A. J. T., 20 apr. 2017, I: *Frontiers in Human Neuroscience*. 11, 11 s., 197.

An associative Brain-Computer-Interface for acute stroke patients

Mrachacz-Kersting, N., Stevenson, A. J. T., Aliakbarhosseinabadi, S., Lundgaard, A. C., Jørgensen, H. R., Severinsen, K. E. & Farina, D., 2017, *Converging Clinical and Engineering Research on Neurorehabilitation II: Proceedings of the 3rd International Conference on NeuroRehabilitation (ICNR2016), October 18-21, 2016, Segovia, Spain*. Ibáñez, J., González-Vargas, J., Azorín, J. M., Akay, M. & Pons, J. L. (red.). Springer, s. 841-845 (Biosystems and Biorobotics; Nr. 15).

BCI: Brain computer interface in rehabilitation after stroke

Mrachacz-Kersting, N., Stevenson, A. J. T., Jørgensen, H. R. M., Severinsen, K., Hosseinabadi, S. A., Jiang, N., Dremstrup, K. & Farina, D., 2017.

Convergence of ipsi- and contralateral muscle afferents on common interneurons mediating reciprocal inhibition of ankle plantarflexors in humans

Mrachacz-Kersting, N., Geertsen, S. S., Stevenson, A. J. T. & Nielsen, J. B., 2017, I: *Experimental Brain Research*. 235, 5, s. 1555-1564

Motor cortical representation in two different strength-training modalities revealed by transcranial magnetic stimulation
Jørgensen, R. R., Osuna-Florentz, P., Stevenson, A. J. T. & Mrachacz-Kersting, N., 2017, *Book of Abstracts, 22nd Annual Congress of the European College of Sport Science, ECSS, 5-8 July 2017, MetropolisRuhr, Germany*. European College of Sport Science, s. 466

Spatial facilitation of reciprocal inhibition and crossed inhibitory responses to soleus motoneurons during walking
Stevenson, A. J. T., Geertsen, S. S., Nielsen, J. B. & Mrachacz-Kersting, N., 2017, *Converging Clinical and Engineering Research on Neurorehabilitation II: Proceedings of the 3rd International Conference on NeuroRehabilitation, ICNR2016, 18-21 October 2016, Segovia, Spain*. Ibáñez, J., González-Vargas, J., Azorín, J. M., Akay, M. & Pons, J. L. (red.). Springer, s. 1031-1036 (Biosystems and Biorobotics; Nr. 15).

The effect of type of afferent feedback timed with motor imagery on the induction of cortical plasticity
Mrachacz-Kersting, N., Voigt, M., Stevenson, A. J. T., Aliakbarhosseinabadi, S., Jiang, N., Dremstrup, K. & Farina, D., 2017, I: *Brain Research*. 1674, s. 91-100

Efficient neuroplasticity induction in chronic stroke patients by an associative brain-computer interface
Mrachacz-Kersting, N., Jiang, N., Stevenson, A. J. T., Niazi, I. K., Kostic, V., Pavlović, A. M., Radovanovic, S., Djuric-Jovicic, M., Agosta, F., Dremstrup, K. & Farina, D., 2016, I: *Journal of Neurophysiology*. 115, 3, s. 1410-1421

Spinal plasticity in robot-mediated therapy for the lower limbs
Stevenson, A. J. T., Mrachacz-Kersting, N., van Asseldonk, E., Turner, D. L. & Spaich, E. G., 17 sep. 2015, I: *Journal of NeuroEngineering and Rehabilitation*. 12, September, 7 s., 81.

Interlimb communication: Crossed reflexes in the human biceps femoris muscle
Stevenson, A. J. T., 2015, Aalborg Universitetsforlag. 151 s.

Interlimb communication following unexpected changes in treadmill velocity during human walking
Stevenson, A. J. T., Geertsen, S. S., Sinkjær, T., Nielsen, J. B. & Mrachacz-Kersting, N., 2015, I: *Journal of Neurophysiology*. 113, 9, s. 3151-3158

Interlimb reflexes following ipsilateral knee joint rotations are suppressed in an unstable walking environment
Stevenson, A. J. T., Geertsen, S. S., Sinkjær, T., Nielsen, J. B. & Mrachacz-Kersting, N., 2015, *45th Annual Meeting of the Society for Neuroscience, Neuroscience 2015, 17-21 October 2015, Chicago, IL, USA*. Society for Neuroscience, s. No. 70.03/P2

Short-latency crossed responses in the human biceps femoris muscle
Stevenson, A. J. T., Kamavuako, E. N., Geertsen, S. S., Farina, D. & Mrachacz-Kersting, N., 2015, I: *Journal of Physiology*. 593, 16, s. 3657-3671

Short-latency crossed responses in the human biceps femoris muscle
Stevenson, A. J. T., Kamavuako, E. N., Geertsen, S. S., Sinkjær, T., Farina, D. & Mrachacz-Kersting, N., 2015.

The effect of fatigue on interlimb communication
Gervasio, S., Stevenson, A. J. T. & Mrachacz-Kersting, N., 2015, *45th Annual Meeting of the Society for Neuroscience, Neuroscience 2015, 17-21 October 2015, Chicago, IL, USA*. Society for Neuroscience, s. No. 67.16/N38

Cortical involvement in the StartReact effect
Stevenson, A. J. T., Chiu, C., Maslovat, D., Chua, R., Gick, B., Blouin, J.-S. & Franks, I. M., 2014, I: *Neuroscience*. 269, s. 21-34

Functionality of the contralateral biceps femoris reflex response during human walking
Stevenson, A. J. T., Geertsen, S. S., Sinkjær, T., Nielsen, J. B. & Mrachacz-Kersting, N., 2014, *Replace, Repair, Restore, Relieve : Bridging Clinical and Engineering Solutions in Neurorehabilitation: Proceedings of the 2nd International Conference on NeuroRehabilitation, ICNR2014, 24-26 June 2014, Aalborg, Denmark*. Jensen, W., Andersen, O. K. & Akay, M. (red.). Springer, s. 765-773 (Biosystems and Biorobotics; Nr. 7).

Interlimb communication: short-latency crossed spinal reflexes in the biceps femoris following ipsilateral knee joint rotations in seated humans

Stevenson, A. J. T., Geertsen, S. S., Sinkjær, T., Nielsen, J. B. & Mrachacz-Kersting, N., 2014, *Annual Meeting of the Society for Neuroscience, Neuroscience 2014, 15-19 November 2014, Washington, DC, USA*. s. No. 732.01/LL18

Interlimb communication: functionality of the contralateral biceps femoris reflex response during human walking

Stevenson, A. J. T., Geertsen, S. S., Sinkjær, T., Nielsen, J. B. & Mrachacz-Kersting, N., 2013, *Annual Meeting of the Society for Neuroscience, Neuroscience 2013, 9-13 November 2013, San Diego, CA, USA*. Society for Neuroscience, s. No. 832.12/MM8

Interlimb communication to the knee flexors during walking in humans

Stevenson, A. J. T., Geertsen, S. S., Andersen, J. B., Sinkjær, T., Nielsen, J. B. & Mrachacz-Kersting, N., 2013, *Journal of Physiology*. 591, 19, s. 4921-4935

Interlimb communication between knee flexors during a sitting task

Stevenson, A. J., Sinkjær, T. & Mrachacz-Kersting, N., 2012, *Annual Meeting of the Society for Neuroscience, Neuroscience 2012, 13-17 October 2012, New Orleans, LA, USA*. Society for Neuroscience, s. No. 479.14/OO2

Interlimb communication between knee flexors in the late stance phase of human walking

Stevenson, A. J., Andersen, J. B. & Mrachacz-Kersting, N., 2012, *Proceedings of the XIXth Congress of the International Society of Electrophysiology & Kinesiology, ISEK2012, 19-21 July 2012, Brisbane, Australia*. ISEK, s. 475, No. POBG_P2.2

Spatial facilitation of reciprocal inhibition and crossed inhibitory responses to soleus motoneurons

Geertsen, S. S., Stevenson, A. J., Nielsen, J. B. & Mrachacz-Kersting, N., 2012, *FENS Abstracts, 8th FENS Forum of Neuroscience, 14-18 July 2012, Barcelona, Spain*. Federation of European Neuroscience Societies, Bind 6. s. p131.26, No. 3795

CV syllables as pre-planned units of action

Chiu, C., Stevenson, A. J., Maslovat, D., Chua, R., Gick, B. & Franks, I. M., 2011, *American Acoustical Society of America*.

Feed-forward control of phonetic gestures in CV syllables: Evidence from responses to auditory startle

Chiu, C., Stevenson, A. J., Maslovat, D., Chua, R., Gick, B. & Franks, I. M., 2011, *The Journal of the Acoustical Society of America*. 129, 4

Transcranial magnetic stimulation to the primary motor cortex can influence the early release of a preplanned movement by a startling acoustic stimulus

Stevenson, A. J., Maslovat, D., Chua, R. & Franks, I. M., 2011, *Proceedings of the 21st Meeting of the Society for the Neural Control of Movement*.

Startle reaction time is not modulated by emotional valence

Stevenson, A. J., Maslovat, D. & Franks, I. M., 2010, *Canadian Society for Psychomotor Learning and Sport Psychology*.

Aktiviteter

Center for Neurotechnology and Rehabilitation (CNR) Spring Seminar 2025

Spaich, E. G. (Andet), Stevenson, A. J. T. (Andet), Jørgensen, B. J. S. (Andet), Leutscher, P. D. C. (Andet), Brasholt, M. (Andet) & Figlewski, K. (Andet)
28 maj 2026

Center for Neurotechnology and Rehabilitation (CNR) Autumn Seminar 2025

Spaich, E. G. (Andet), Stevenson, A. J. T. (Andet), Jørgensen, B. J. S. (Andet), Leutscher, P. D. C. (Andet), Modrau, B. (Andet) & Brasholt, M. (Andet)

24 okt. 2025

Center for Neurotechnology and Rehabilitation (CNR) Spring Seminar 2025

Spaich, E. G. (Andet), Stevenson, A. J. T. (Andet), Jørgensen, B. J. S. (Andet), Leutscher, P. D. C. (Andet), Modrau, B. (Andet) & Brasholt, M. (Andet)
27 maj 2025

Lundbeck Foundation Investigator Network (Ekstern organisation)

Stevenson, A. J. T. (Medlem)
2024 → ...

Center for Neuroteknologi og Rehabilitering (CNR) (Organisation)

Spaich, E. G. (Medlem (Indstillet af AAU)), Stevenson, A. J. T. (Medlem (Indstillet af AAU)), Brasholt, M. (Medlem), Leutscher, P. D. C. (Medlem), Modrau, B. (Medlem) & Jørgensen, B. J. S. (Medlem)
2021

Priser

American Physiological Society selects award for distinction in scholarship

Stevenson, A. J. T. (Modtager), 2018

Nominated for Journal of Physiology Early Career Author Prize

Stevenson, A. J. T. (Modtager), 2013

Nomineret til Årets Underviser

Stevenson, A. J. T. (Modtager), 2021

Nomineret til Årets Underviser

Stevenson, A. J. T. (Modtager), 2024

Presse/medie

1.000 gymnasieelever til Hjernedag 2024

Stevenson, A. J. T.

08/11/2024

1 element af Mediedækning

Er 'hjerner doping' fremtiden inden for topsport?

Stevenson, A. J. T.

13/12/2024

1 element af Mediedækning

Hvad kan du styre med hjernen i fremtiden?

Stevenson, A. J. T.

24/11/2023

1 element af Mediedækning

Kan hjerner doping hjælpe dig med at score et 12-tal?

Stevenson, A. J. T.

01/12/2023

1 element af Mediedækning

Kommer soldater med optimerede hjerner til at udkæmpe fremtidens krige?

Stevenson, A. J. T.

20/12/2024
1 element af Mediedækning

Lam mand går igen

Stevenson, A. J. T. & Jochumsen, M.
24/09/2018
9 elementer af Mediedækning

Motor Imagery - Fall Prevention - Brain Health - Psychology

Stevenson, A. J. T.
21/11/2024
1 element af Mediedækning

Ny metode: Endnu flere blodpropper i hjernen kan behandles

Stevenson, A. J. T.
16/05/2018
1 element af Mediedækning

På bølgelængde med hjernen

Stevenson, A. J. T., Jochumsen, M. R. & Gervasio, S.
08/02/2024
2 elementer af Mediedækning

Træning af hjernen skal få liv i armen

Jørgensen, B. J. S. & Stevenson, A. J. T.
23/01/2023 → 24/01/2023
3 elementer af Mediedækning

Udforsk hjernens potentiale og få repareret dine ting på Aalborg Bibliotek

Stevenson, A. J. T.
08/03/2025
1 element af Mediedækning

Projekter

BCI-STAR: Brain Computer Interface til genoptræning af armen efter stroke

Jørgensen, B. J. S. (PI (principal investigator)) & Stevenson, A. J. T. (PI (principal investigator))
01/03/2021 → ...

Interlimb communication: Crossed responses in the human biceps femoris muscle

Stevenson, A. J. T. (PI (principal investigator)), Mrachacz-Kersting, N. (Supervisor), Sinkjær, T. (Supervisor), Nielsen, J. B. (PI (principal investigator)) & Geertsen, S. S. (PI (principal investigator))
01/09/2011 → 12/08/2015

Interlimb coordination during human walking

Gervasio, S. (PI (principal investigator)) & Stevenson, A. J. T. (PI (principal investigator))
01/10/2010 → ...

Personalized technology for sensory-motor training of stroke patients.

Spaich, E. G. (PI (principal investigator)) & Stevenson, A. J. T. (Projektdeltager)
08/05/2023 → ...