

Nickolaj Ajay Atchuthan
Ansæt Ph.d.stipendiat
Institut for Medicin og Sundhedsteknologi
Det Sundhedsvidenskabelige Fakultet
Neural Engineering and Neurophysiology
Center for Neuroplasticity and Pain
Adresstype: Besøgsadresse.
Selma Lagerlöfs Vej 249
9260
Gistrup
Danmark
E-mail: nickolajaa@hst.aau.dk



Forskningsprofil

I hold a Master of Science in Biomedical Engineering and Informatics, and have experience as a research assistant. I am continuing my work as a PhD fellow. My expertise in signal processing and deep learning is being leveraged in my research project, which aims to understand pain processing through intracranial signals from multiple brain regions in a large animal model.

Kvalifikationer

Sundhedsteknologi, Master of Science, Using a CNN-LSTM Architecture to Classify Chronic Pain Models based on μ ECoG Recordings from S1 in large animal models

1 sep. 2021 → 21 jun. 2023

Dimissionsdato: 21 jun. 2023

Sundhedsteknologi, Bachelor of Science, Modality matched termotaktil feedback system til håndprotesebrugere

3 sep. 2018 → 29 jun. 2021

Dimissionsdato: 29 jun. 2021

Ansættelse

Ansæt Ph.d.stipendiat

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Institut for Medicin og Sundhedsteknologi

Det Sundhedsvidenskabelige Fakultet

Gistrup, Danmark

15 okt. 2023 → 31 dec. 4712

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Center for Neuroplasticity and Pain

Det Sundhedsvidenskabelige Fakultet

Aalborg East, Danmark

15 okt. 2023 → present

Publikationer

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).

Classification of noxious and non-noxious event-related potentials from S1 in pigs using a convolutional neural network

Atchuthan, N. A., Clark, H., Danyar, M. B., Andersen, A. K., Andreis, F. R. & Meijs, S., 24 apr. 2023, *11th International IEEE/EMBS Conference on Neural Engineering, NER 2023 - Proceedings*. IEEE (Institute of Electrical and Electronics Engineers), 10123776. (International IEEE/EMBS Conference on Neural Engineering, NER).