

Deep Movement Diagnostics

Initiative: zukunft.niedersachsen (nur ausgewählte Ausschreibungen)

Ausschreibung: Big Data in den Lebenswissenschaften der Zukunft

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Laufzeit:

Reliably evaluating walking and grasping movements of patients is essential for the diagnosis and therapy of movement disorders, for example after a stroke or in Parkinson's syndromes. However, the success of this challenging diagnostic procedure depends to a large extent on the experience and skills of the attending physician. This is where the "Deep Movement Diagnostics" project comes in. The team wants to use approaches from machine learning and robotics to improve the objective assessment of movement patterns. In addition to diagnostics, the research team wants to investigate complex movement sequences in healthy volunteers and monkeys in order to better understand the neurophysiological basics of movement disorders.

Projektbeteiligte

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