## Merging the equilibrium-point and uncontrolled manifold hypotheses

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The main purpose of research in movement science is to discover new laws of nature, which, in combination with known laws of physics, define biological movement. Within this axiom, there is currently only one theory that is compatible with the known physics and physiology. It combines the main principles of two well-known hypotheses, the equilibrium-point hypothesis and the uncontrolled manifold hypothesis. Its explanatory and predictive power will be illustrated with results of recent experiments.