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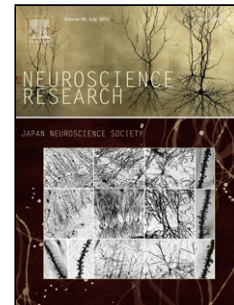
Title: How does the brain solve muscle redundancy? Filling the gap between optimization and muscle synergy hypotheses

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2 Highlights

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4 1. We review the optimization and muscle synergy hypotheses

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6 2. Both hypotheses rely heavily on mathematical procedures

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8 3. The relationship between the two hypotheses remains unclear

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10 4. We demonstrate that synergies can be extracted from optimal neural network

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