

NSI SEMINAR

アドバンス生命理学特論 Topics in Advanced Biological Science

Learning to navigate in dynamic environments

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Soaring birds often rely on ascending air currents as they search for prey or migrate across large distances. The landscape of convective currents is rugged and rapidly changing. How soaring birds find and navigate thermals within this complex landscape is unknown. Reinforcement learning provides an appropriate framework to identify an effective navigational strategy as a sequence of decisions taken in response to environmental cues. I will discuss how to use it to train gliders to autonomously navigate atmospheric thermals, both in silico and in the field.

3月11日(月) 16:00-17:00

理学南館1階セミナー室

Seminar Room, 1st Floor, Science South Building



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