

## **Kinematics of mice reinforcement learning in intelligent cages**

*Saturday 2 December 2023 15:15 (45 minutes)*

To study learning processes on behavioral level various experiments are performed on animals. In the last two decades several intelligent cages have been designed to increase throughput of such experiments. In my talk I will focus on Intellicage system where up to 14 mice can be housed and various learning protocols can be studied. I will propose a conceptual and computational framework combining point processes with reinforcement learning that can be used to describe the mice behavior as measured including learning and social aspects.

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**Session Classification:** Neural Networks