Behavioral methods for studying memory in animals

Instructor
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Instructor resume
Dr. Jason Rogers is the Application Specialist at Noldus Information Technology, Inc. He received his Ph.D. from the University of Utah with an emphasis on the neurobiology of learning and memory. Prior to joining Noldus, Jason was a post doctoral fellow at the Medical University of South Carolina creating translational models of methamphetamine addiction, emphasizing behavioral deficits following long-term drug exposure.

Duration
90 minutes

Benefits
The participants will learn the various behavioral tasks used by psychological science to study learning and memory in animals. A number of tasks will be demonstrated. The goal is for participants to become aware of the various ways of assessing learning and memory across a number of animal species. This is especially useful for scientists who hope integrate behavioral analysis with other methods (e.g., electrophysiology, immunohistochemistry, genetic approaches, etc).

Features
The session will cover:
- A short history of learning and memory research
- Comparative animal studies
- Learning vs. memory
- Behavioral tasks to asses both learning and memory
- Using EthoVision XT and The Observer XT as a means to quantify behavior

Audience
The tutorial is aimed at people who want to study behavior methods for analyzing learning and memory in various species of animals.