



Life Sciences Seminar

Quantitative ways to animals behavior

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Similarly to how symptoms are investigated by a physician in search for the root causes of a disease, likewise animals behavioral repertoire constitutes to scientists the first-hand source of data relative to the animal model investigated. Using such data requires for it to be objectively investigated, quantitatively described and finally analyzed in a statistically-sound fashion.

Although mice and rats cannot speak to us, their body language and behavioral choices are plenty informative: with the combination of advanced technological tools and an understanding of the ethological principles of rodents behavior we can effectively start monitoring disease symptoms and drug effects before any biological sample is collected from the animals.

With a few examples from my own research I would like to present my view on the role of curiosity in cognition, the importance of motivation, reward and timing in operant conditioning, the basic and advanced approaches to motoric analysis and the peculiarities of home-cage testing, rodents communication and pain display.

Tuesday, January 21, 2020 10:00am - 10:30am

IST Austria Campus Seminar Room, Lab Building East



This invitation is valid as a ticket for the IST Shuttle from and to Heiligenstadt Station. Please find a schedule of the IST Shuttle on our webpage: <https://ist.ac.at/en/campus/how-to-get-here/> The IST Shuttle bus is marked IST Shuttle (#142) and has the Institute Logo printed on the side.