

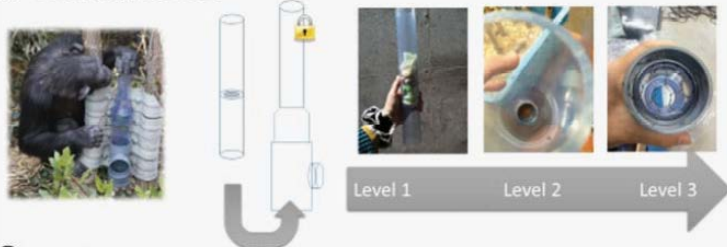
# Introducing tool-based feeders to zoo-housed chimpanzees as a cognitive challenge: spontaneous acquisition of new types of tool use and effects on behaviours and use of space.

Yamanashi Y, Matsunaga M, Shimada K, Kado R, Tanaka M (2016) J. Zoo Aqua. Res. 4: 1-9.

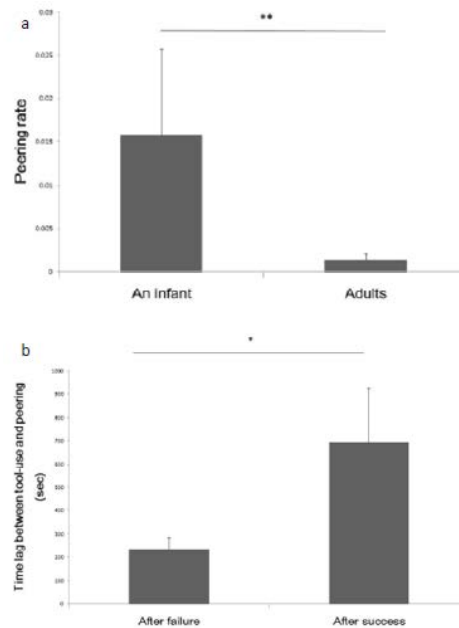
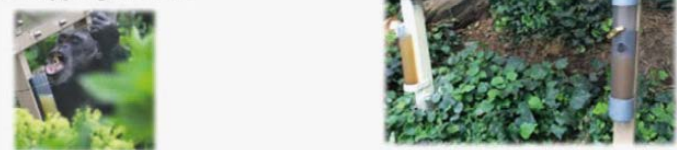
We created two types of feeders to facilitate tool-using behaviour in captive chimpanzees: pounding and dipping feeders.

We investigated (1) how chimpanzees acquire tool-using behaviours and (2) the effects of the feeders on chimpanzee behaviour and use of space.

## ① Pounding feeders



## ② Dipping feeders



Peering Behaviour

