

Protocol #	Name of Study	# Animals Reported
PROTO201900126	Spiny Mouse Sociality	43 Gerbils

Spiny Mouse

In PROTO201900126 a total of 40 Spiny mice were used involving mild stressors that are categorized as class "E". The goal of these studies is to deconstruct social behavior in order to have a comprehensive understanding of the factors that influence social interactions and to identify similarities and differences in the mechanisms underlying them. Animals are exposed to conditions which induce mild stressors including the following procedures: the resident intruder test, Latency to feed in presence of a novel object (food restriction), and social stress exposure. A human observer is present at all times with the animals during the resident intruder and social stress exposure tests. In social stress exposure, the stimulus animal is exposed to 30 min of stress due to being isolated and being unable to huddle with their cage mate. In the latency to feed experiment, animals will be food deprived for 3 hours before the initiation of the test. Animal subjects will be placed in a novel open arena (63cm W x 63cm L x 30cm H) containing a novel object (a 3D printed 'giant' red/blue/yellow lego person, 16cm tall) with sunflower seeds at the feet of the object. The latency to approach the novel object to obtain the sunflower seeds will be recorded. The test will be terminated when the subject eats the seeds or after 30 minutes. Treatment to relieve the temporary stress was withheld because the investigator was studying the response of the experimental animal to a mildly stressed stimulus. The IACUC reviewed and approved these Class E procedures.

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PROTO 201900126	Spiny Mouse Sociality	40 Spiny Mice

Approved Exceptions:

9 C.F.R. 2.31(d)(1)(x)(C): On December 11, 2019 Emory University received an exception letter for permitting more than one survival surgery involving three Rhesus Macaques in order to conserve overall animal use. The letter states the following "The request for an exception is **approved from December 11, 2019 to July 17, 2022** as a Special Circumstance. These animals that underwent craniotomies under one study, will be used in a different study for which craniotomies are required, reducing the need to sacrifice additional animals to achieve the same purpose. The surgeries are to be performed under protocol #201900088 during the approval period. Emory University must reflect this exception on its Annual Reports for each year within the approval period as required under Title 9 Chapter 1 Subchapter A Section 2.36(b)(3)." All 3 animals were assigned, and the research completed by July 2020.

Annual Report for Research Facilities, Emory University,

Atlanta, GA Certificate 57-R-0003, Customer 896

Attachment 2 to APHIS Form 7023

01 DEC 2020