

Supplementary Material

Heterogenous effect of early adulthood stress on cognitive aging and synaptic function in the dentate gyrus

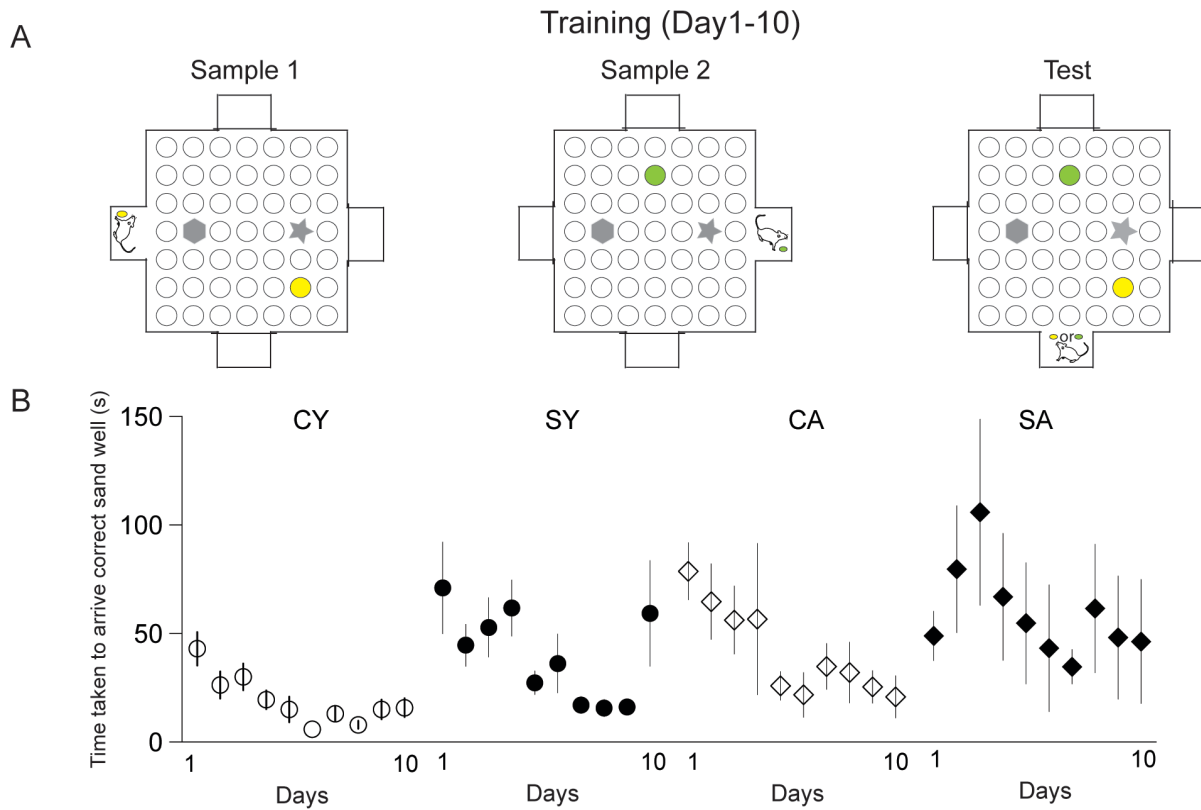
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1 Supplementary Data

Table 1. CMS schedule

	SUN	MON	TUE	WED	THU	FRI	SAT
9 AM	Stroboscopic Lighting	Food Dep.	Food	Light On	White Noise		Crowded Housing
10		Soiled Cage	Deprivation	Empty water bottle			
11			Water Dep				
12PM				Stroboscopic Lighting		Cage Tilt	
13							
14							
15							
16	White Noise					Crowded Housing	
17							
18							
19							
20	White Noise	Soiled Cage		Light Off	Food & Water Deprivation	Crowded Housing	White Noise
21							
22							
23							
0 AM							
1							
2							
3	White Noise					Stroboscopic Lighting	Crowded Housing
4							
5							
6							
7							
8							



S1) Episodic-like memory test using event arena. A) Daily training session consisted of two sample trials and one test trial. Two gray marked locations landmarked as a spatial cue. Yellow marked sand well opened at first sample trial. Green marked well opened with different food flavor at the second sample trial. Time taken to arrive at the correct sand well containing food pellet was measured (Figure 3A). All groups showed the reduced time to arrive at the correct sand well over training days (Trials: $F_{(5,29, 217,21)} = 4.16, p = 0.001$). Significant main effect of aging ($F_{(1, 41)} = 4.97, p = 0.03$).

Table 2. Event arena training schedule (location and flavor)

Day	Flavor	Location
Training day1	Orange, Coconut	(5,2) (3,3)
Training day2	Vanilla, Bacon	(6,6) (3,4)
Training day3	Berry, Marshmallow	(2,6) (2,2)
Training day4	Almond, Kiwi	(2,1) (6,1)

Training day5	Pinacolada, Chocolate	(4,3) (2,6)
Training day6	Banana, Apple	(5,5) (2,3)
Training day7	Pear, Strawberry	(1,2) (1,5)
Training day8	Grape, Lemon	(5,4) (7,5)
Training day9	Ginger, Banana+chocolate	(5,1) (7,3)
Training day10	Cherry, Apple+chocolate	(3,5) (7,4)
Probe test	Melon, Mango+tropical punch	(3,2) (6,3)

