

# BLOCKING

## CONTROL GROUP

step 1) teach rats to bar press for food.

step 2) classically condition a fear response using a compound CS.

(US) Shock -----> Fear/Freezing (UR)

(compound CS) Noise/Light + Shock (US)

(compound CS) Noise/Light -----> Fear/Freezing (CR)

step 3) have rats bar press for food again, and when bar pressing determine the suppression ratio by presenting the CSs.

(compound CS) Noise/Light -----> Fear/Suppression (CR)

(CS) Noise -----> Fear/Suppression (CR)

(CS) Light -----> Fear/Suppression (CR)

## EXPERIMENTAL GROUP

step 1) teach rats to bar press for food.

step 2) classically condition a fear response using a single CS.

(US) Shock -----> Fear/Freezing (UR)

(CS) Noise + Shock (US)

(CS) Noise -----> Fear/Freezing (CR)

step 3) classically condition a fear response using a compound CS.

(US) Shock -----> Fear/Freezing (UR)

(compound CS) Noise/Light + Shock (US)

(compound CS) Noise/Light -----> Fear/Freezing (CR)

step 4) have rats bar press for food again, and when bar pressing determine the suppression ratio by presenting the CSs.

(compound CS) Noise/Light -----> Fear/Suppression (CR)

(CS) Noise -----> Fear/Suppression (CR)

(CS) Light -----> No Fear/Suppression