Protocol for generating and analyzing Green eared mice behavioral videos:

1. take video settings:
   1. ISO
   2. Shutter speed
   3. Frame rate (should be 30Hz, 1080 pixel resolution

2) process iPhone videos with photoshop

a. transfer from iPhone to computer: Jen W-10\F:\GreenEarTracking\iPhone\”dated folder”

b. open in photoshop

c. crop from top (to 22) and bottom (19)

d. crop length of film

If virtual: crop from appearance of stim marker to just after 3-4 approaches

If live: crop from just after cricket addition to cricket capture

e. save cropped video:

1) create new folder to store out sequence of tiffs

2) export tiffs:

file🡪 export🡪render Video🡪

Settings: TIFF format, Photoshop image sequence, size=933x1260, fps: 30

1. Track green eared mice and crickets

Tracking\_green\_mice

Inputs for live:

1. enter video into batch file after tracked

GreenCapBatch

%%%female=1 and male=2;

%%%contrast:100

%%%size:100

%%%age: adult=1, juvenile= 2-->5

%%%grouplabels = {'Ntsr1\_hM4+CNO','GRP\_hM4+CNO','PV\_hM4+CNO','cre\_mCherry+CNO','cre\_hM4\_saline'};

%pathname='F:\GreenEarTracking\iPhone'

%type 1= live type 2 = virtual

n=n+1;

files(n).subj = '7587';%video ALGS010....

files(n).sex = 'F';

files(n).type=1;

files(n).lighting = ON;

files(n).Tfiles = '/Tracks/Tracks1.mat';

files(n).contrast = 100;

files(n).notes = '';

files(n).fps=30;

files(n).scale=21;%pixels/cm on video tracking

files(n).group=1;

files(n).Moviefile=''

1. Once Batched we can run compile on all track data:

compileCaptureLoop\_greenEars.m