07.17.19 NO071719A mlsn2b-ires-mChCamK w/caly/latcr\_OGB1AM – NO effect

cells are~ 30% confluency, 1DAT

Laser Calibration 930 nm (2016mW at the laser screen, software)-

4%=0.38mW

5%=0.51mW

6%=0.63mW

7%=0.76mW

8%=0.88mW

9%=1.0mw

10%=1.13mW

11%=1.27mW

12%=1.38mW

13%=1.50mW

14%=1.62mW

15%=1.74mW

16%=1.86mW

17%=2.0mW

18%=2.13mW

19%=2.22mW

Laser Calibration 1010 nm (997mW at the laser screen, software)-

15% = 0.86mW

16% = 0.92mW

17% = 0.98mW

18% = 1.04mW

19% = 1.09mW

20% = 1.16mW

21% = 1.23mW

22% = 1.28mW

23% = 1.35mW

24% = 1.40mW

25% = 1.48mW

Laser 1010 27%

(lp10%) 128x128; Aver =20, 10x1um stack

Loc1- 1dim

Loc2- 1dim

Loc3- 2bright

Loc4- 1mid

Loc5- 1dim

Loc6- 1bright

Loc7- 1mid

Loc8- 1dim

Loc9- 2mid (translocated)

Loc10- 1bright good

Loc11- 1bright good

Loc12- 2mid good

Loc13- 1mid1dim

Loc14-

Loc15-

Loc16-

Loc17-

Loc18-

Loc19-

Loc20-

B

AI pos 1

Start with HBSS/2mMCalcium (25mMHEPES) (prepared from HBSS/0Ca (Nick 6.19) by addition of 100uM of 1 M Ca in 50 ml of HBSS/0Ca

After img5 start HBSS /2mMCa with ionomycin ( fresh 10uM) w/ caly(0.2mM)/latcr. The solution was washing out (no recirc)

After img11 start 1mMEGTA/3mMCa+ w/ caly(0.2mM)/latcr. The solution was washing out ;

Im 24 - end

