Figure 1

Intermittent access to 20% alcohol

Dissection:
- Rats: 30 min
- Mice: 4h

Days
- M
- W
- F
- M

Weeks
- 1 - 7
- 8

24h home cage

Ald + W

Binge

24h

Withdrawal

Ald + W

W
Figure 2

(a) NAc Core

(b) NAc Shell

(c) NAc Core

(c) NAc Shell

W  B

pAKT
AKT
pS6
S6
GAPDH

W  B

pAKT
AKT
pS6
S6
GAPDH

5X  20X

NeuN

Shell

Core

pS6 + cells (% of W)

NAc  Core  Shell

W  B

pAKT
AKT
pS6
S6
GAPDH

W  B

pAKT
AKT
pS6
S6
GAPDH

***  *
Figure 4

(a) Rat DMS

(b) Rat DLS

(c) Rat DMS

Rat DLS

pS6 + cells (% of W)

W  B  W  B  W  B

pS6 5X 20X 20X

NeuN

Merge DLS  DMS

DMS  DLS

pS6

pS6

W  B  W  B  W  B

pAKT  AKT  pS6  S6

GAPDH
Figure 6

(a) Rat mPFC

(b) Mouse mPFC
Figure 7

(a) Rat OFC

- pAKT
- AKT
- pS6
- S6
- GAPDH

(b) 5X
- pS6
- NeuN
- Merge

(c) Rat OFC

- pAKT
- AKT
- pS6
- S6
- GAPDH

Bar graphs showing (% of W):
- pAKT: ***
- pS6: *
- pS6+ cells (% of W): ***
Figure 8
Figure 9