Figure 1

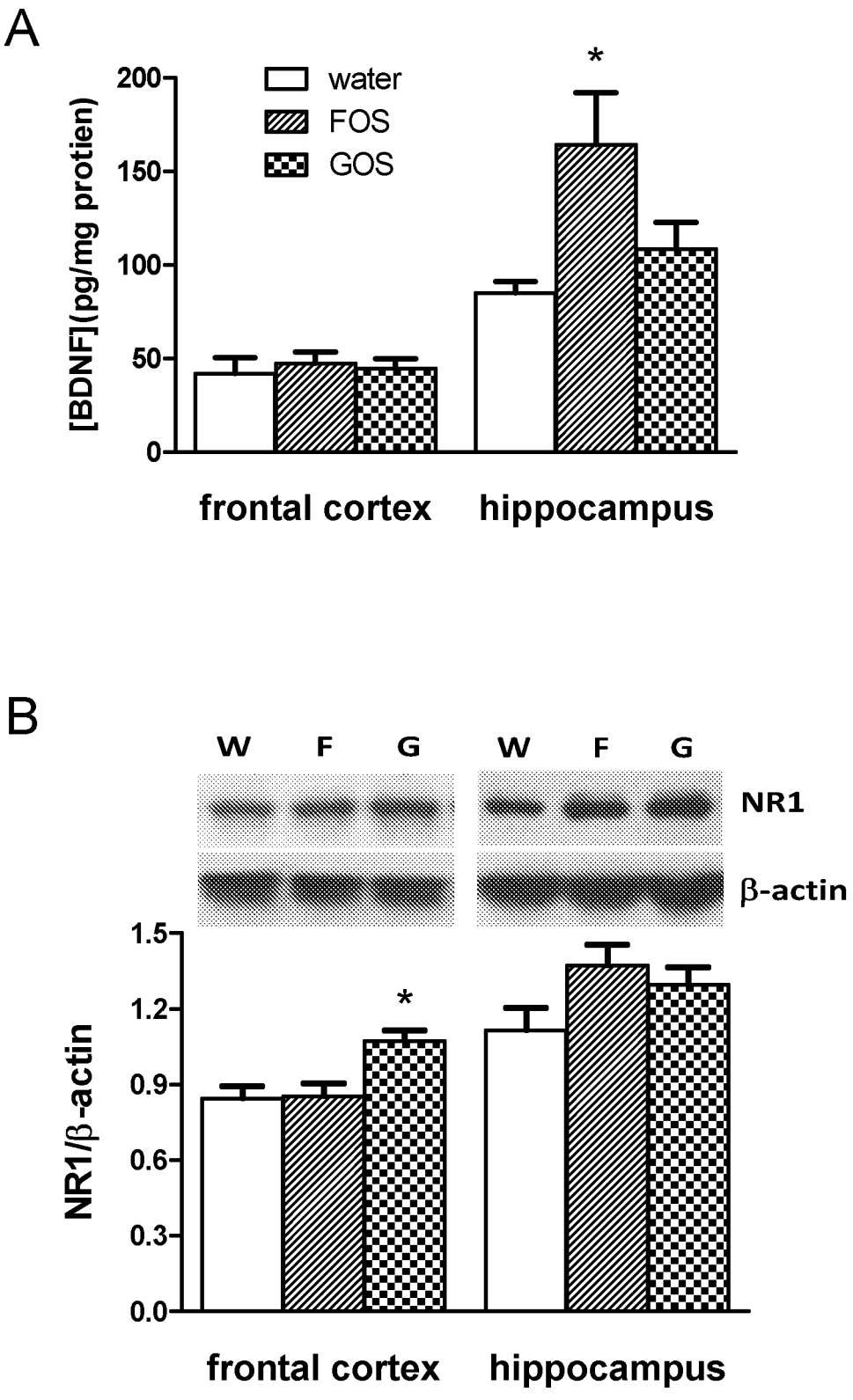

A
[BDNF](pg/mg protien)
200
150
100
50
0
water
FOS
GOS
*
frontal cortex
hippocampus
B
W F G W F G
NR1
β-actin
NR1/β-actin
1.5
1.2
0.9
0.6
0.3
0.0
*
frontal cortex
hippocampus

Figure 2

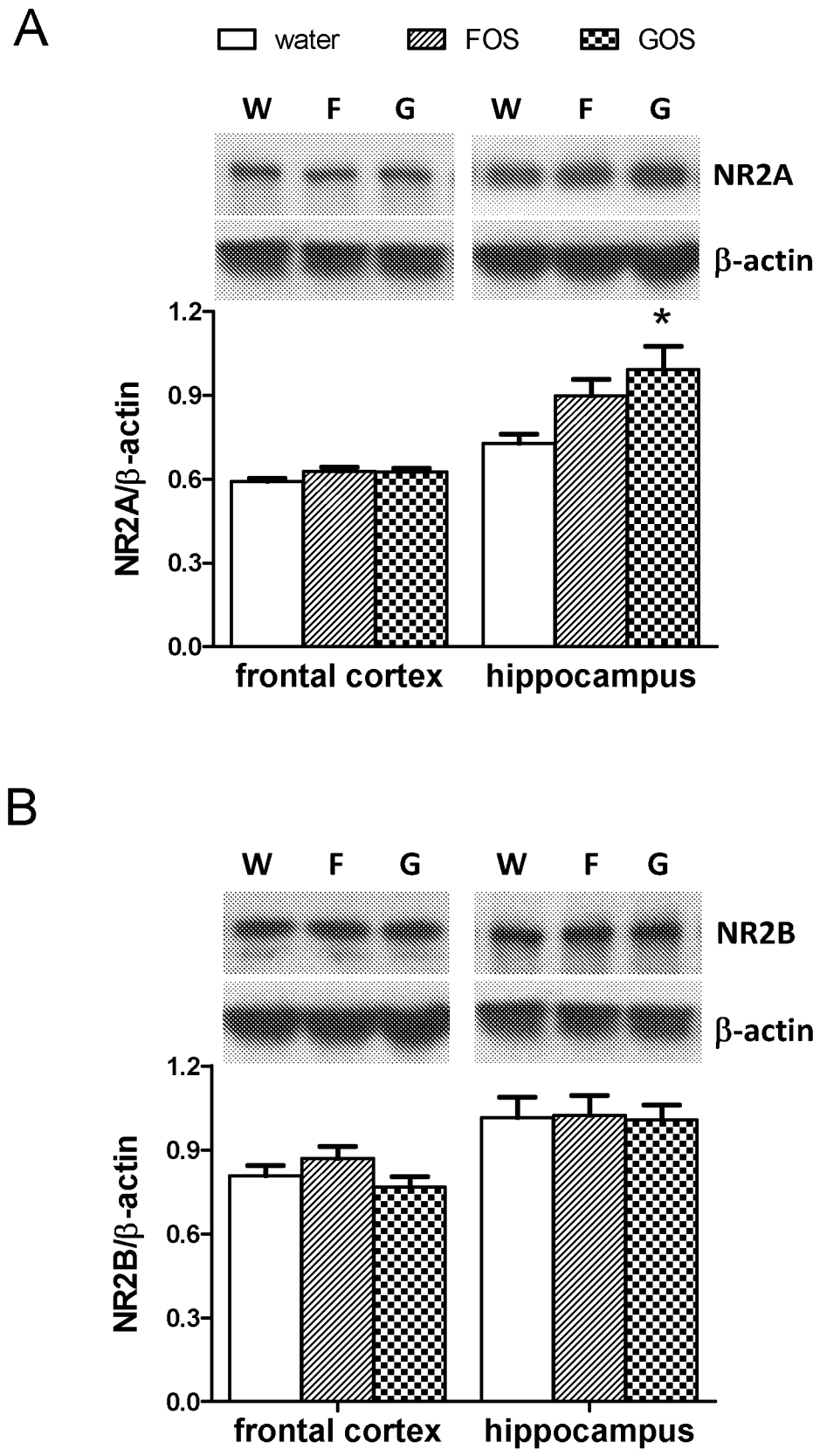

A
water
FOS
GOS
W F G W F G
NR2A
β-actin
NR2A/β-actin
1.2
0.9
0.6
0.3
0.0
*
frontal cortex
hippocampus
B
W F G W F G
NR2B
β-actin
NR2B/β-actin
1.2
0.9
0.6
0.3
0.0
frontal cortex
hippocampus

Figure 3

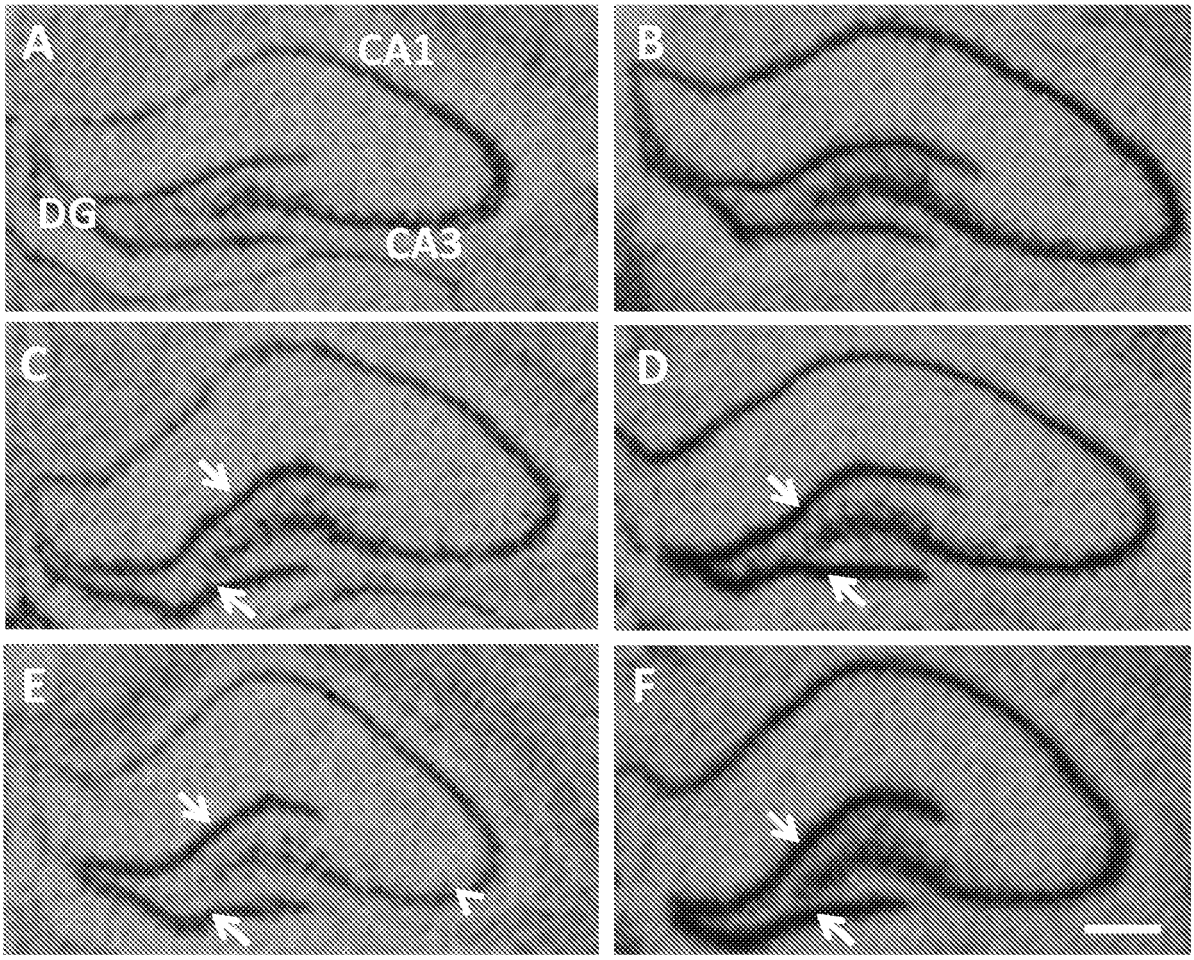


Figure 4

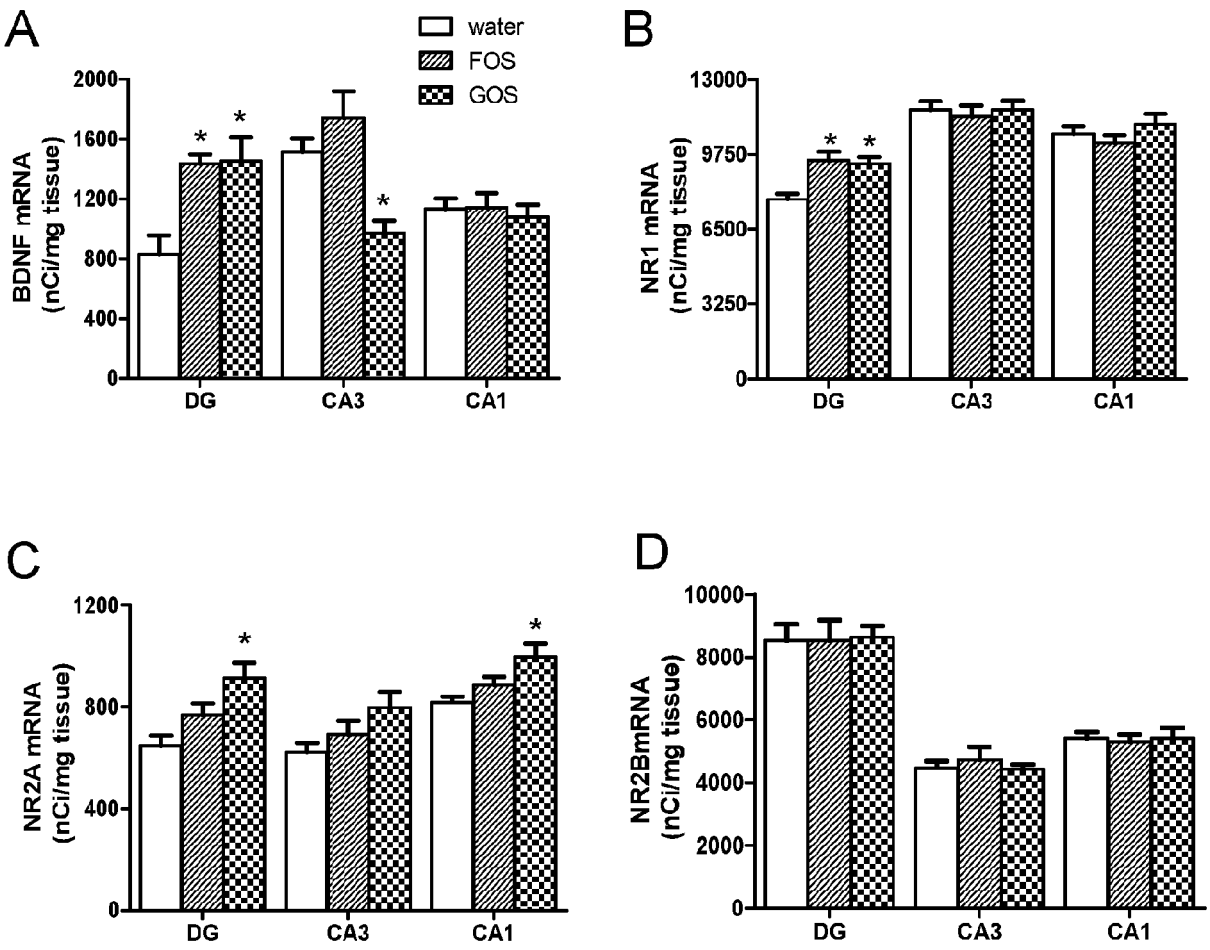
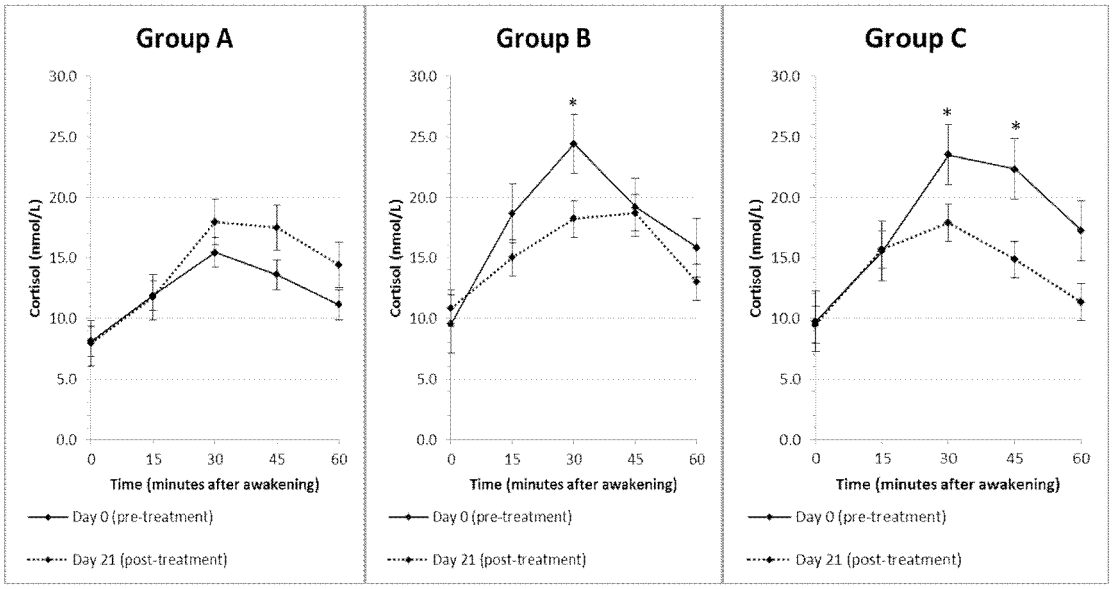

A
water
FOS
GOS
BDNF mRNA (nCi/mg tissue)
2000
1600
1200
800
400
0
DG
CA3
CA1
B
NR1 mRNA (nCi/mg tissue)
13000
9750
6500
3250
0
DG
CA3
CA1
C
NR2A mRNA (nCi/mg tissue)
1200
800
400
0
DG
CA3
CA1
D
NR2BmRNA (nCi/mg tissue)
10000
8000
6000
4000
2000
0
DG
CA3
CA1

Figure 5:



*differences between Day 0 and Day 21 are significant at p=.05 (for Time 30, Groups B and C), at trend at p=.1 (Time 45, Group C)

Figure 6

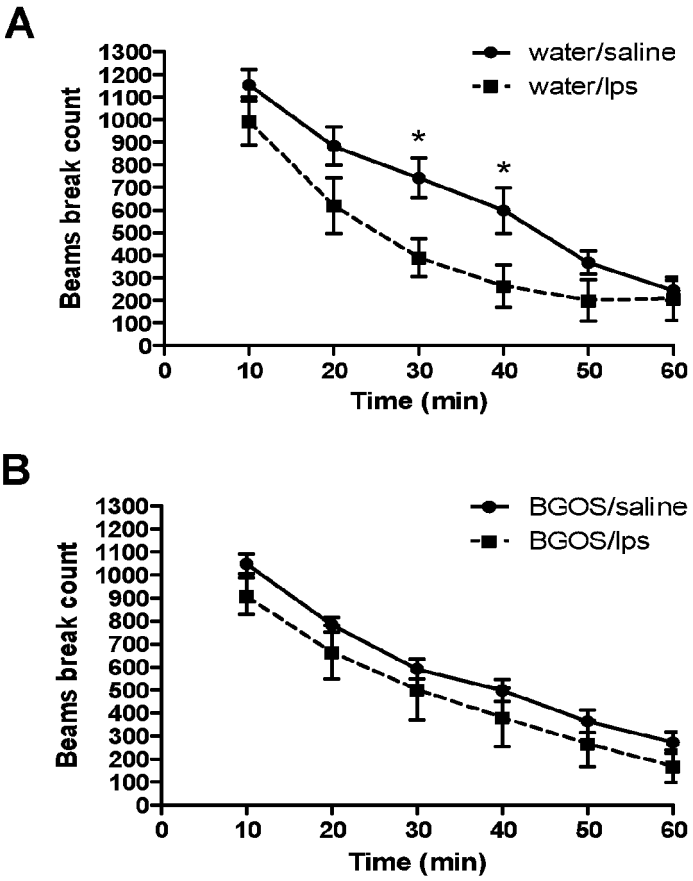


Figure 7

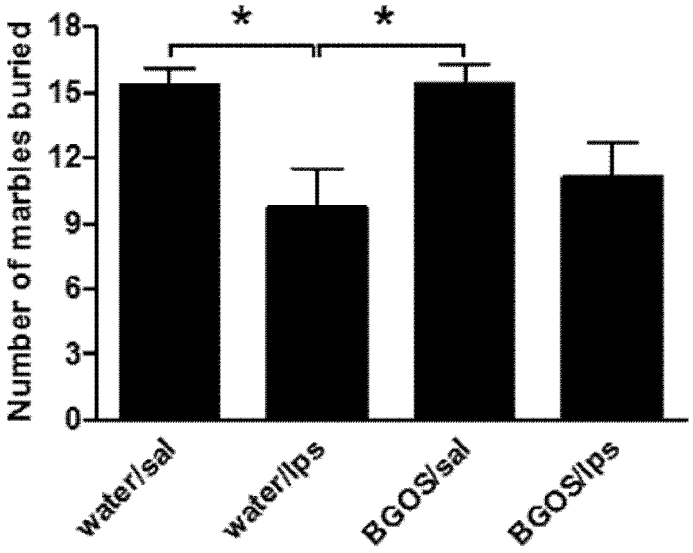


Figure 8

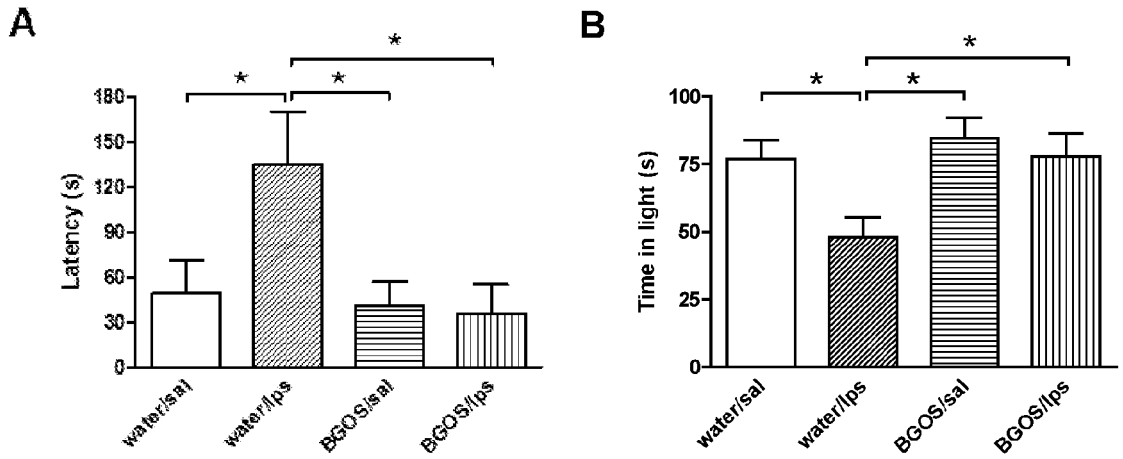


Figure 9

Frontal Cortex:

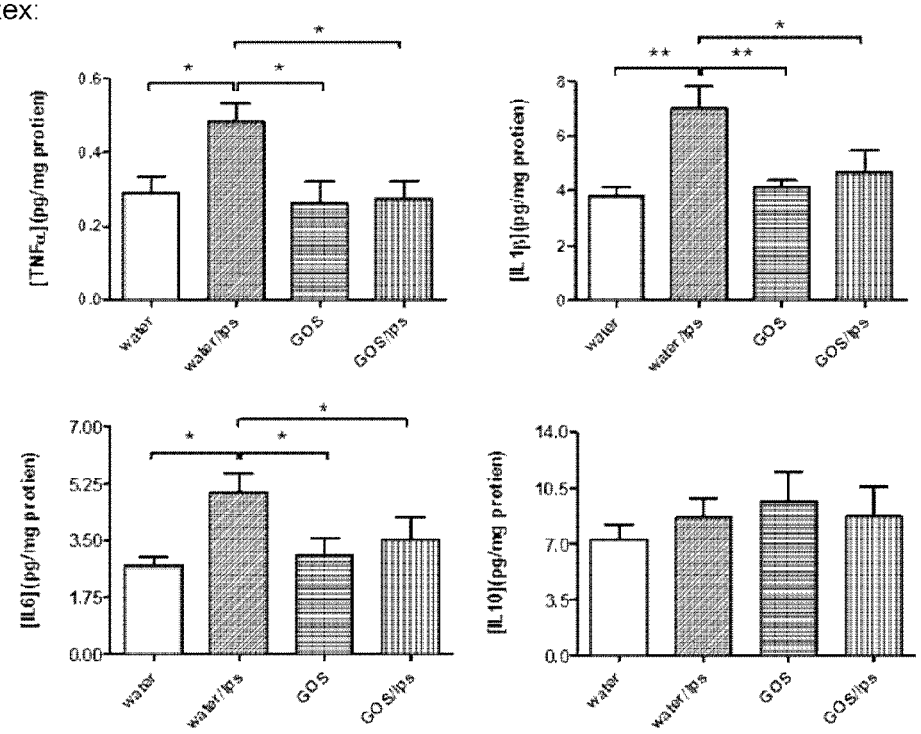


Figure 10

Plasma:

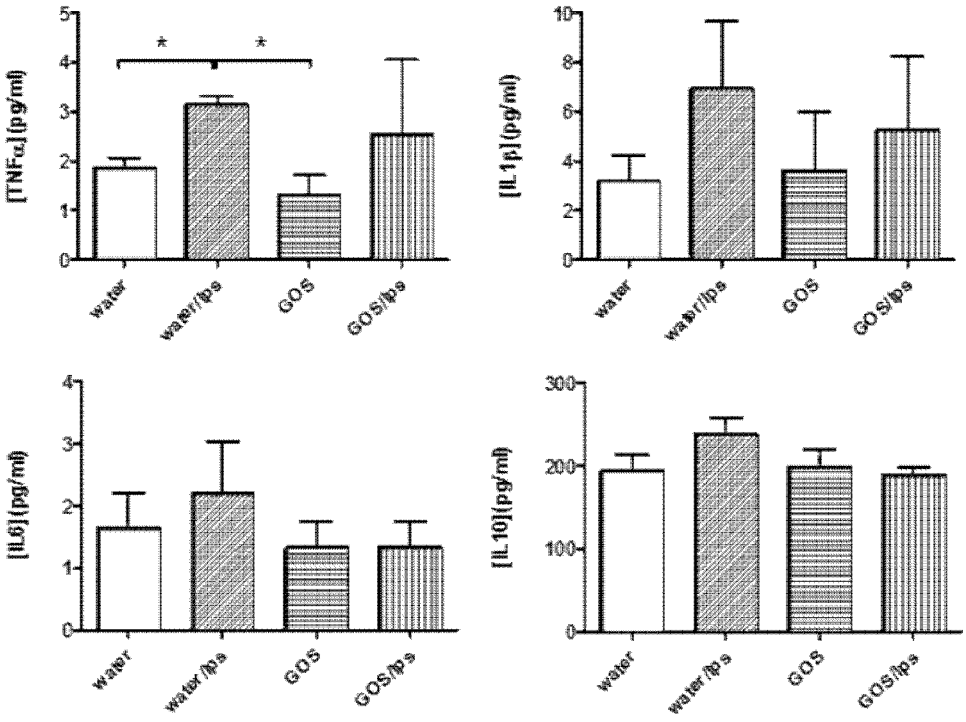


Figure 11

