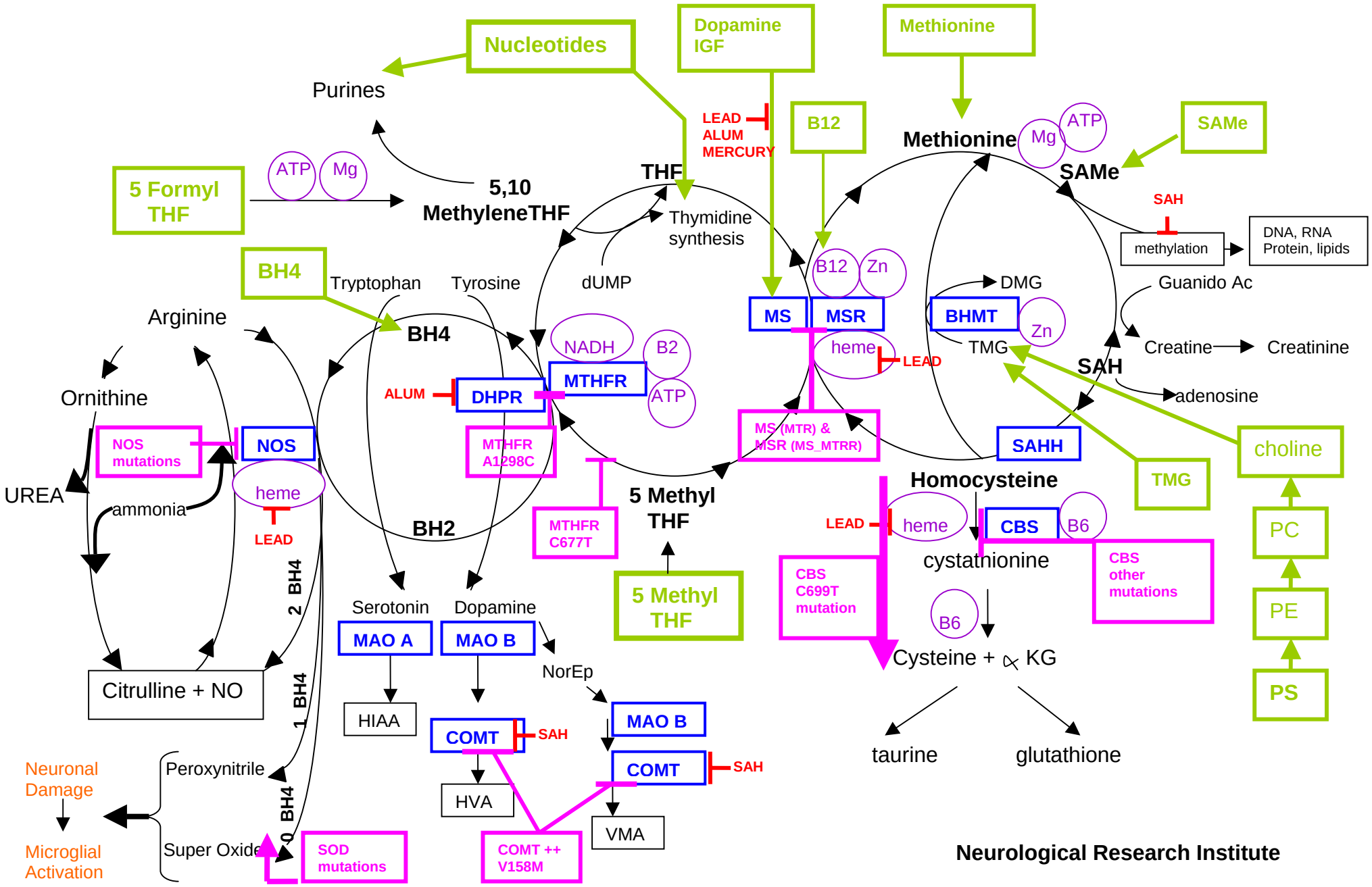
Nucleotides
Dopamine
IGF
Methionine
Purines
LEAD
ALUM
MERCURY
B12
SAMe
ATP
Mg
ATP
Mg
5 Formyl
THF
5,10
MethyleneTHF
THF
Methionine
SAMe
SAH
Thymidine
synthesis
methylation
DNA, RNA
Protein, lipids
BH4
Tryptophan
Tyrosine
dUMP
B12
Zn
DMG
Guanido Ac
Arginine
BH4
NADH
B2
MS
MSR
BHMT
Zn
heme
LEAD
TMG
Creatine
Creatinine
SAH
Ornithine
ALUM
DHPR
MTHFR
ATP
adenosine
NOS
mutations
NOS
MTHFR
A1298C
MS (MTR) &
MSR (MS_MTRR)
SAHH
choline
UREA
heme
ammonia
LEAD
BH2
MTHFR
C677T
5 Methyl
THF
Homocysteine
TMG
LEAD
heme
CBS
B6
PC
2 BH4
5 Methyl
THF
CBS
C699T
mutation
cystathionine
CBS
other
mutations
PE
Serotonin
Dopamine
B6
MAO A
MAO B
Cysteine + α KG
PS
Citrulline + NO
1 BH4
NorEp
HIAA
COMT
SAH
MAO B
taurine
glutathione
Neuronal
Damage
Peroxynitrile
COMT
SAH
HVA
Microglial
Activation
Super Oxide
0 BH4
SOD
mutations
COMT ++
V158M
VMA
Neurological Research Institute