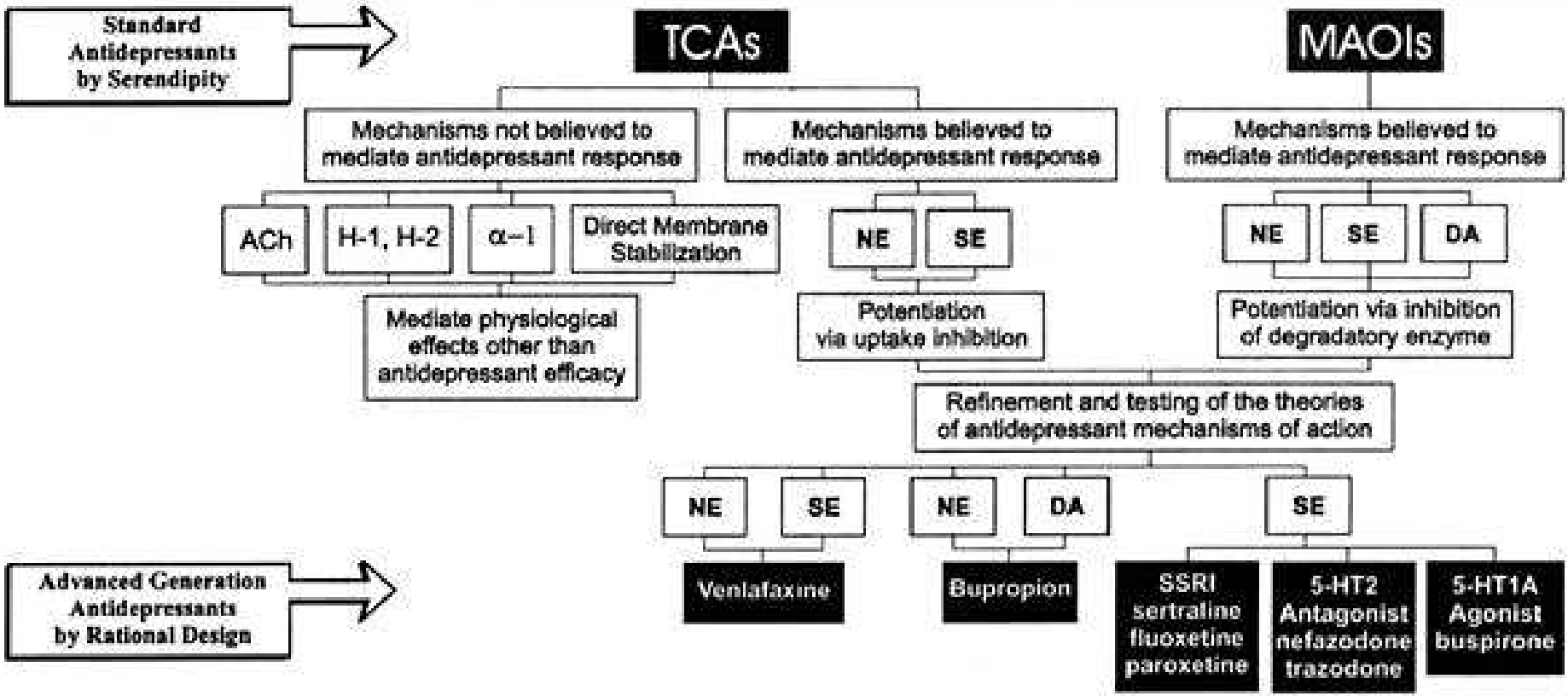
Standard Antidepressants by Serendipity
TCAs
MAOIs
Mechanisms not believed to mediate antidepressant response
Mechanisms believed to mediate antidepressant response
Mechanisms believed to mediate antidepressant response
ACh
H-1, H-2
α-1
Direct Membrane Stabilization
NE
SE
NE
SE
DA
Mediate physiological effects other than antidepressant efficacy
Potentiation via uptake inhibition
Potentiation via inhibition of degradatory enzyme
Refinement and testing of the theories of antidepressant mechanisms of action
NE
SE
NE
DA
SE
Advanced Generation Antidepressants by Rational Design
Venlafaxine
Bupropion
SSRI sertraline fluoxetine paroxetine
5-HT2 Antagonist nefazodone trazodone
5-HT1A Agonist buspirone