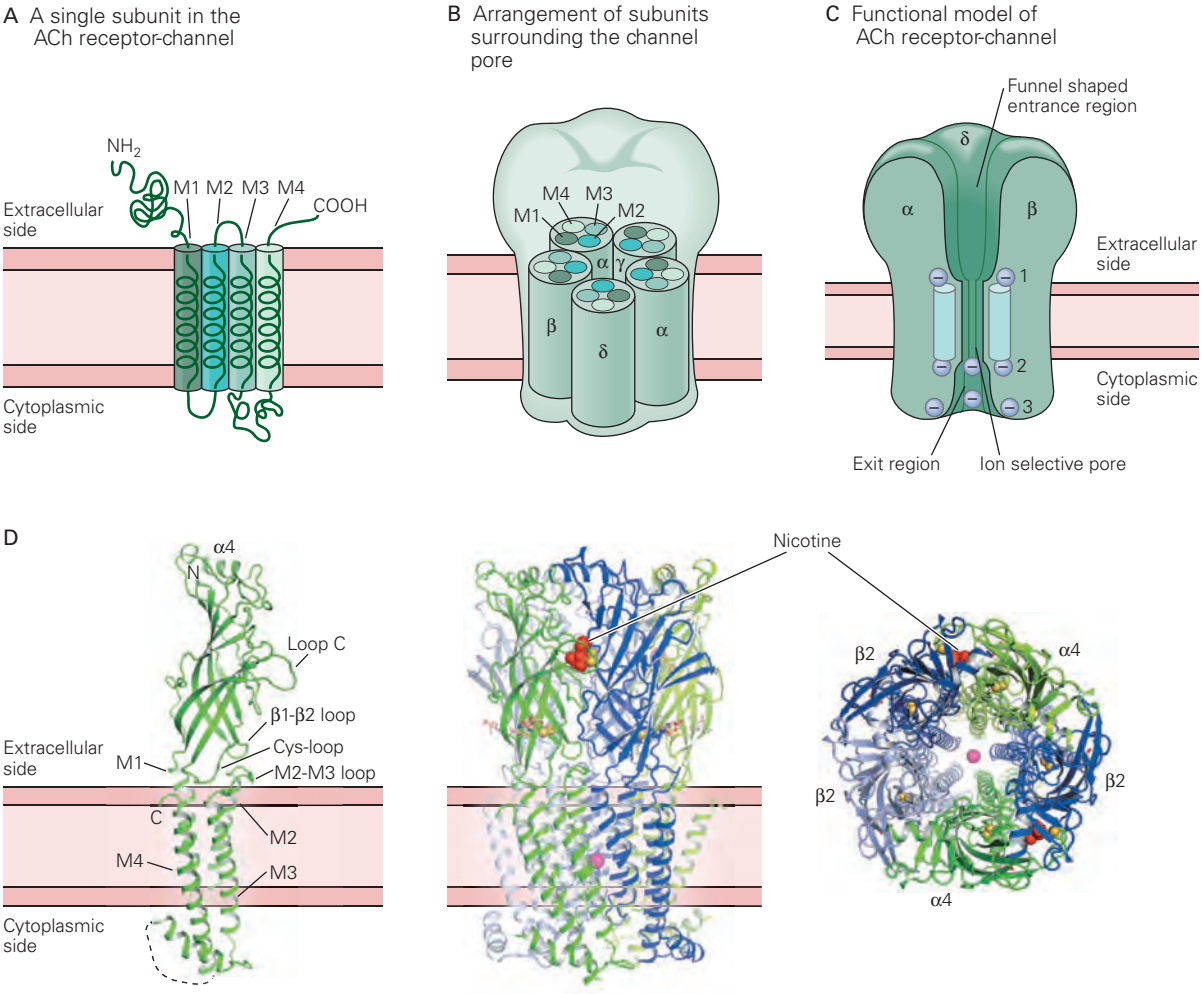
A A single subunit in the ACh receptor-channel
NH2
M1 M2 M3 M4
COOH
Extracellular side
Cytoplasmic side
B Arrangement of subunits surrounding the channel pore
M4 M3
M1
M2
α
γ
β
δ
α
C Functional model of ACh receptor-channel
Funnel shaped entrance region
δ
α
β
Extracellular side
1
2
3
Cytoplasmic side
Exit region
Ion selective pore
D
α4
N
Loop C
β1-β2 loop
Cys-loop
M2-M3 loop
Extracellular side
M1
C
M2
M4
M3
Cytoplasmic side
Nicotine
β2
α4
β2
β2
α4