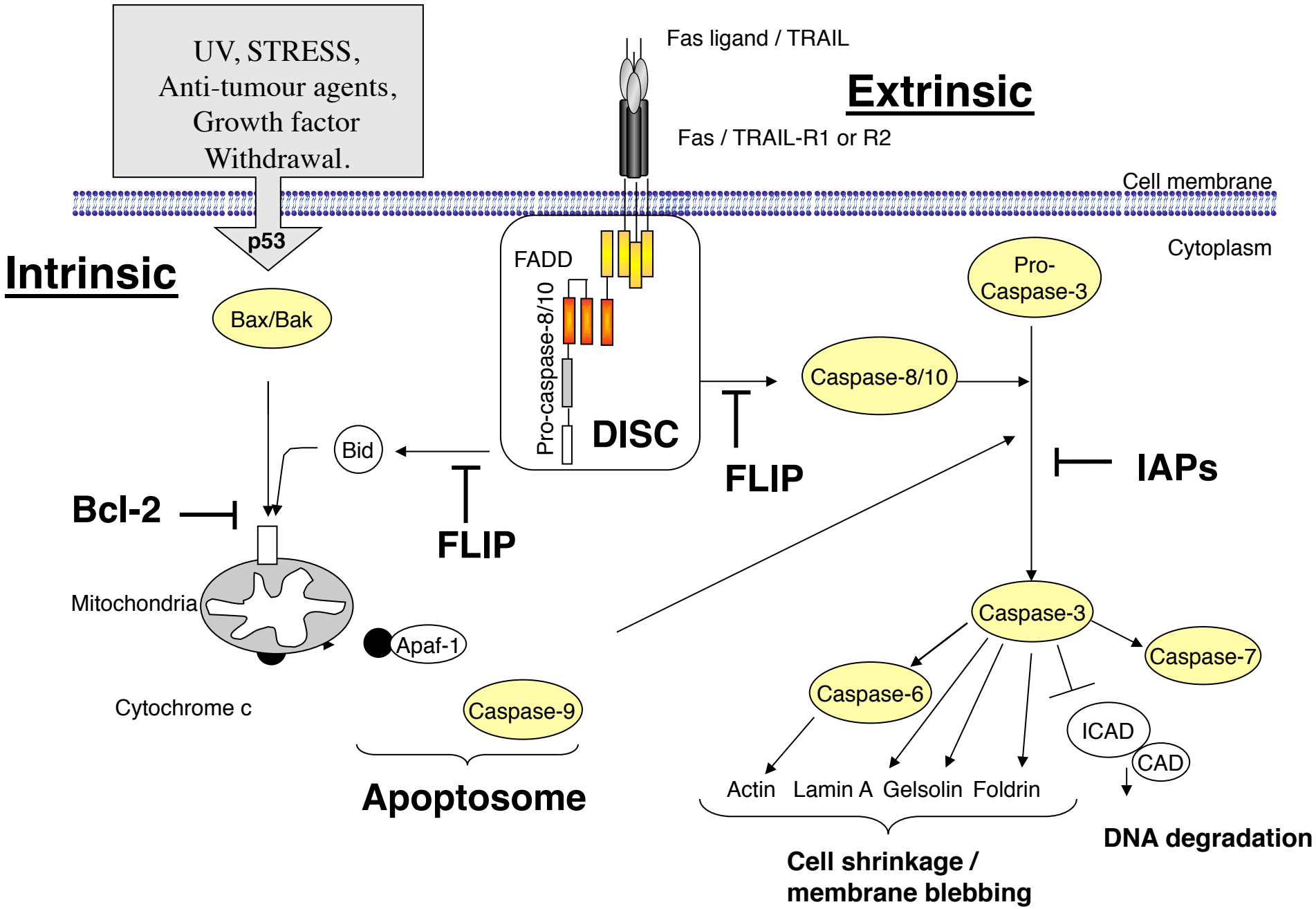
UV, STRESS,
Anti-tumour agents,
Growth factor
Withdrawal.
Fas ligand / TRAIL
Extrinsic
Fas / TRAIL-R1 or R2
Cell membrane
Cytoplasm
p53
Intrinsic
Bax/Bak
FADD
Pro-caspase-8/10
DISC
Pro-
Caspase-3
Caspase-8/10
Bid
FLIP
FLIP
IAPs
Bcl-2
Mitochondria
Apaf-1
Cytochrome c
Caspase-9
Apoptosome
Caspase-3
Caspase-7
Caspase-6
ICAD
CAD
Actin
Lamin A
Gelsolin
Foldrin
Cell shrinkage /
membrane blebbing
DNA degradation