

FIGURE 22.1 Structural illustration of γ -, β -, and α -crystallins showing (A) human α B, (B) β B2, and (C) γ D crystallin. (Adapted from [86, 128, 194].)

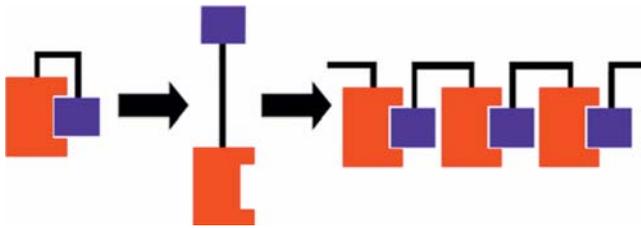


FIGURE 22.2 Polymerization by domain swapping.

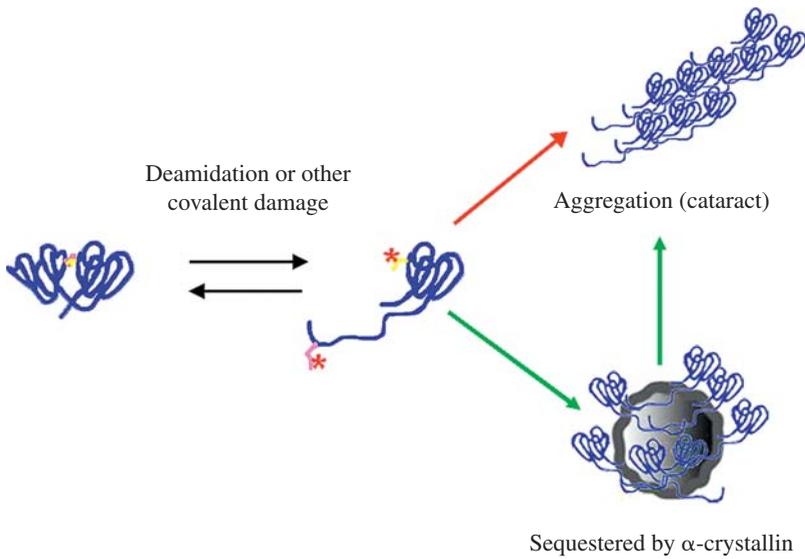


FIGURE 22.3 Model of cataract in vitro depicting partially unfolded γ -crystallin that renders the protein aggregation-prone. Such aggregation-prone species can be rescued by α -crystallins until all the α -crystallins are consumed, at which point cataract will propagate. (From [117].)