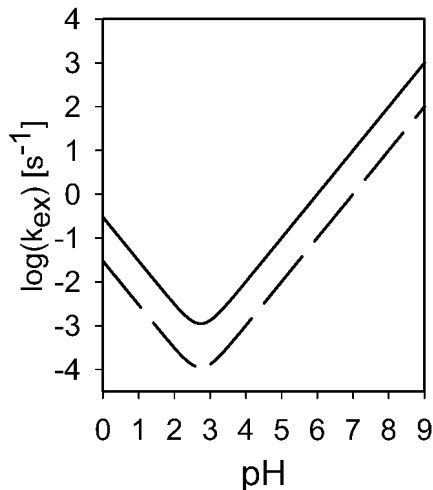
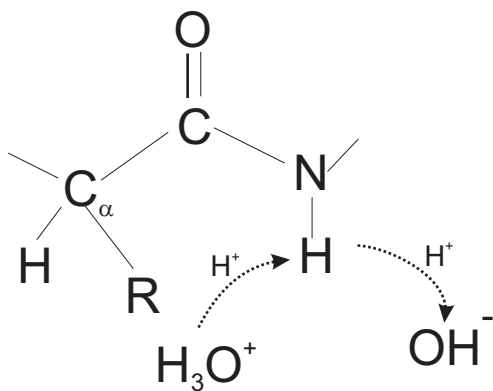


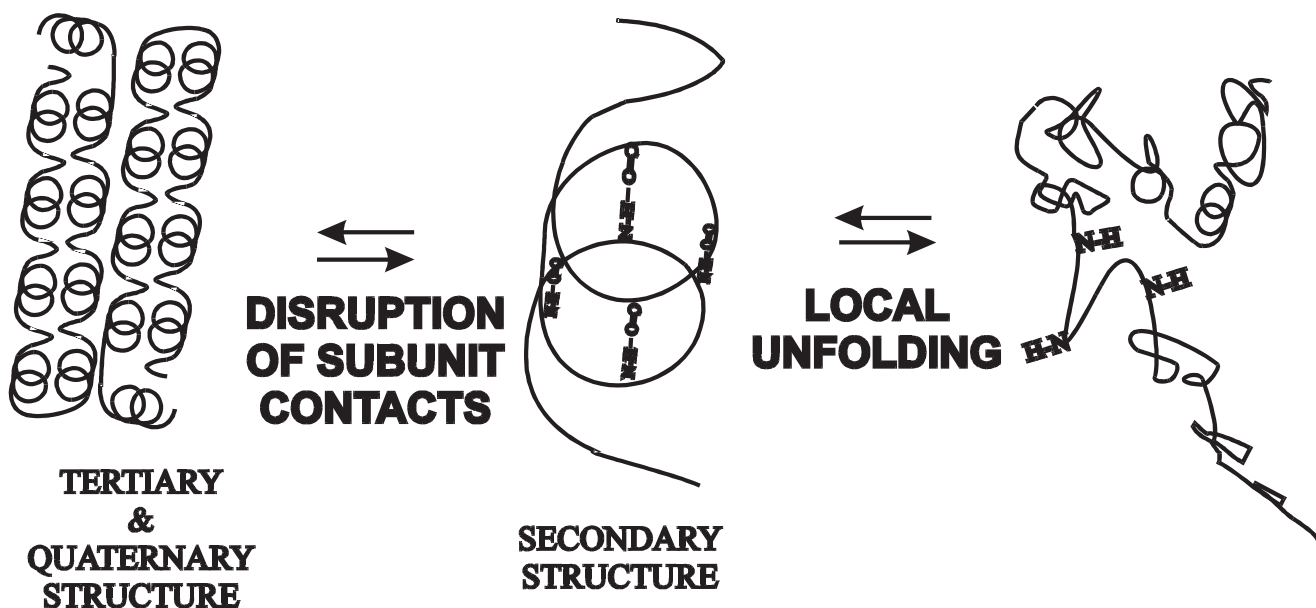
A



B

Closed states
(protected)

Open states
(high energy)



EX1: $k^{HDX} \approx k_1$

EX2: $k^{HDX} \approx k_1/k_{-1} \times k_2$