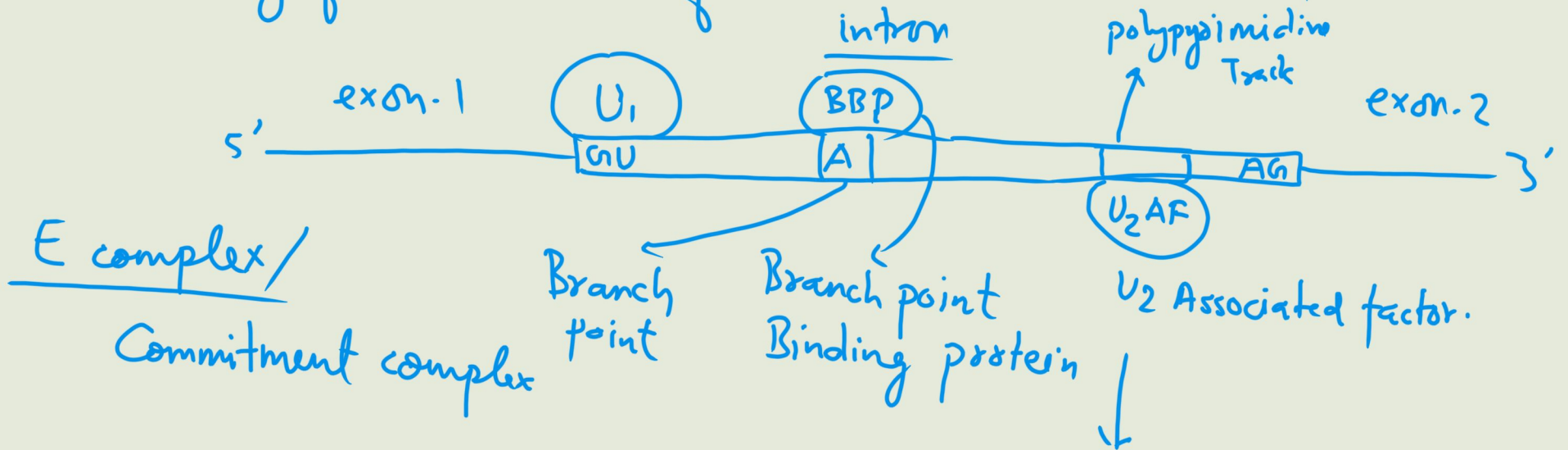


mRNA splicing

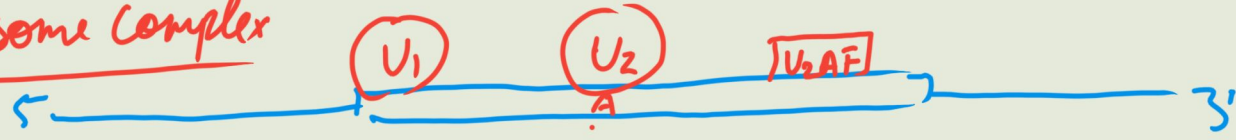
U₁, U₂, U₄, U₅, U₆ snRNPs

↳ < 250nt associated with proteins to form snRNPs

They form a series of complex and called spliceosome.

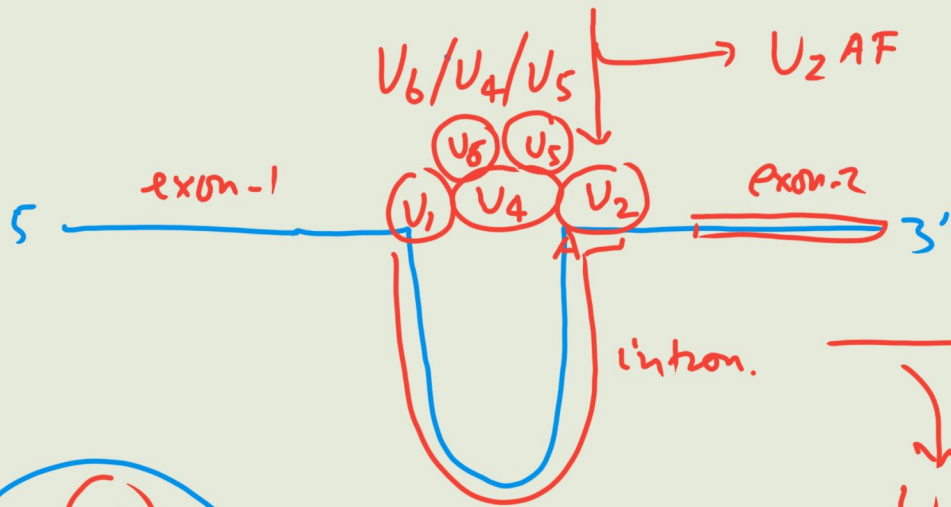


Pre-spliceosome complex



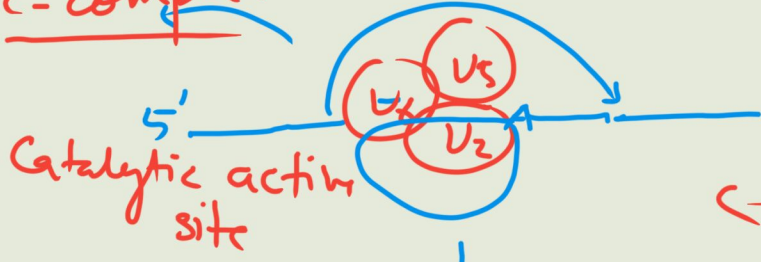
(A-complex)

Spliceosome complex

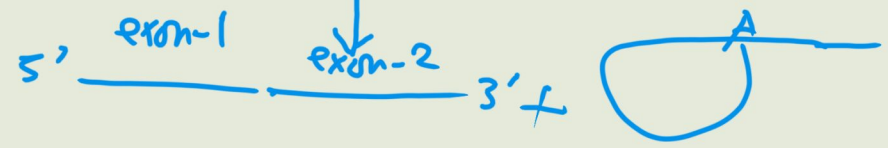


(B1 complex)

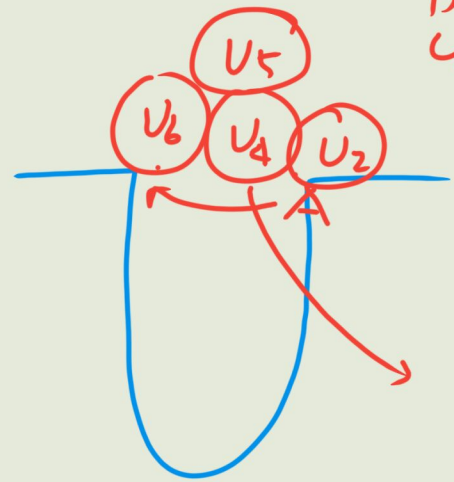
C-complex



Catalytic active site



B2 complex



U1

U4 (hydrolysis of ATP)

Self catalytic intron

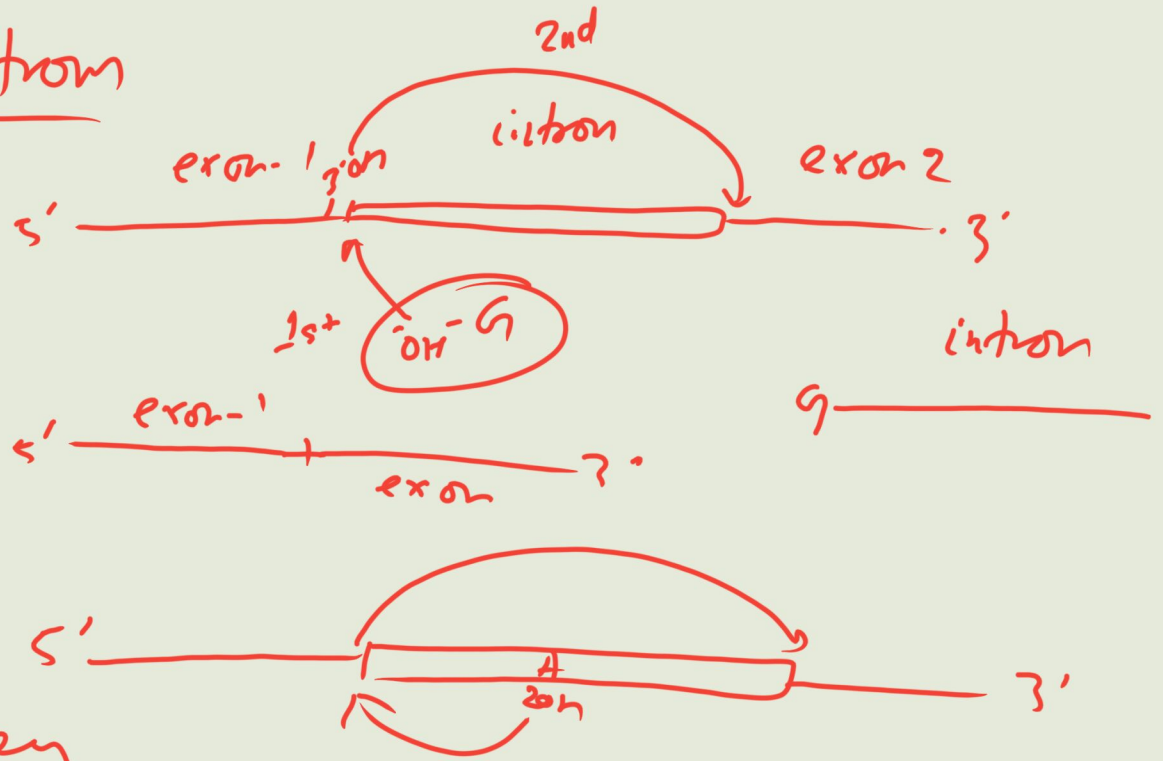
Group 1 intron

Group 2 intron

Tetrahymena by

Thomas Cech

→ Ribozyme



Processing of ribosomal RNA

