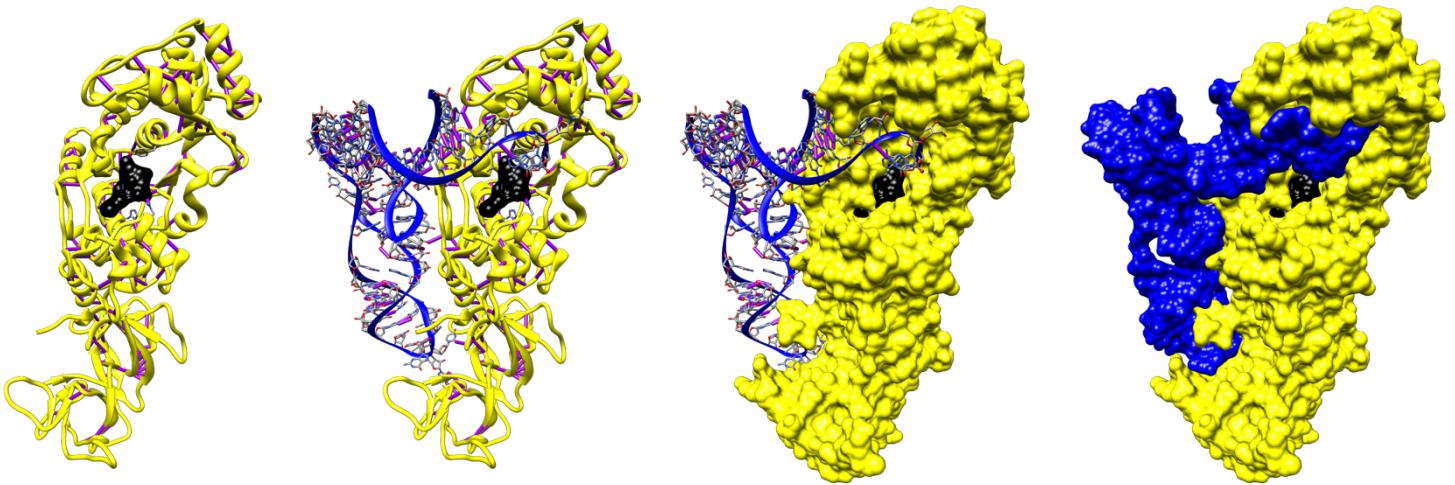


# tRNA CHARGER

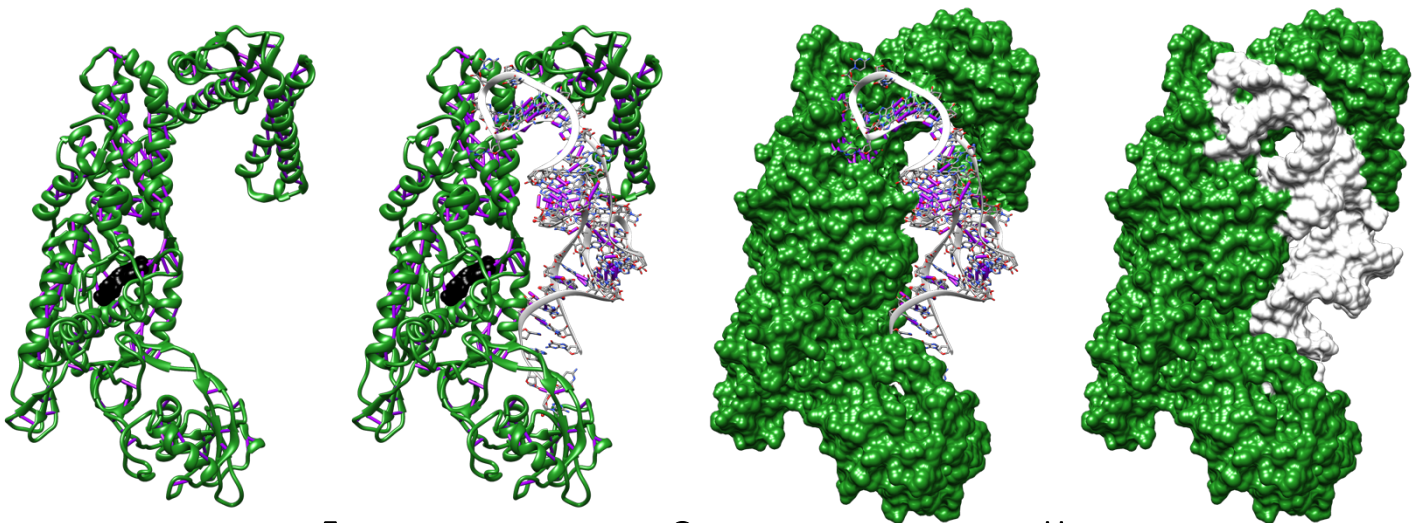
## Aminoacyl-tRNA synthetases

### Glutamyl-tRNA Synthetase (1EUQ)



A. B. C. D.

### Valyl-tRNA synthetase (1GAX)



E. F. G. H.

#### *Structural Representations of Aminoacyl-tRNA Synthetases:*

Glutamyl-tRNA Synthetase: A. Ribbon model with glutamine surface model (black); B. Ribbon model with glutamine surface model and tRNA ribbon model (blue); C. Surface model with glutamine surface model and tRNA ribbon model; D. Surface model of both protein and tRNA.

Valyl-tRNA Synthetase: E. Ribbon model with valine surface model (black); F. Ribbon model with valine surface model and tRNA ribbon model (marble); G. Surface model of the protein with ribbon model of tRNA (valine not visible); H. Surface model of both protein and tRNA.