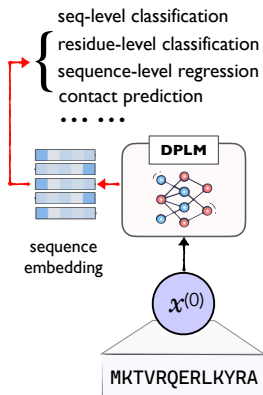
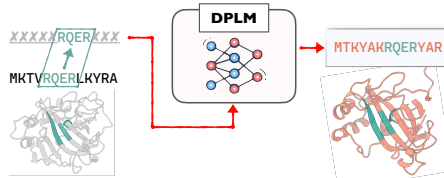


**B learned representation for predictive tasks**

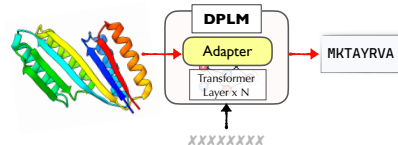


**C conditional generation**

(1) conditioned on partial sequence  
e.g., motif-conditioned scaffolding



(2) conditioned on other modality  
e.g., structure-conditioned inverse folding



(3) controllable generation with discrete classifier guidance  
e.g., secondary structure guided generation

