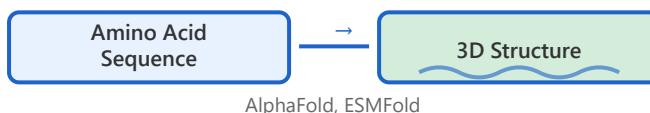


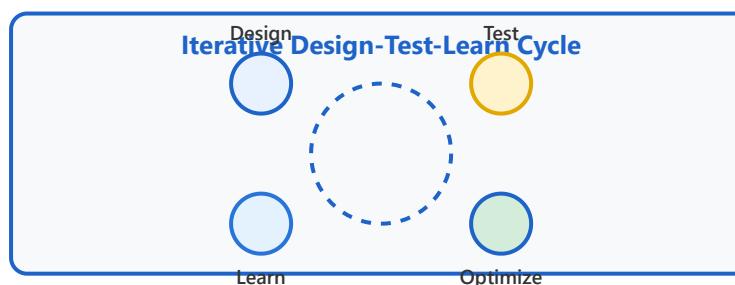
# Protein Design

## Inverse Folding: Structure → Sequence

Forward Problem:



## Inverse Problem (Design):



## Inverse folding

Structure → sequence prediction

## Scaffold design

De novo backbone generation

## Interface design

Protein-protein interactions

## De novo binders

Target-specific protein design

## Stability optimization

Thermostability enhancement