

Protein Structure, prediction, search, and analysis with AI Workshop

(Day 3, November 21, 2024; 1:30 PM - 5:00 PM) ([Handouts](#))

Start	Est. minutes	Topic	Presenter
1:30 PM	10 minutes	Introduction	Hye-Seon Kim & Carson Andorf
Protein Structure Prediction			
1:40 PM	30 minutes	AlphaFold 2 & 3	Hye-Seon Kim
		AlphaFold online	Hye-Seon Kim
2:10 PM	30 minutes	ESMFold	Carson Andorf
		ESMFold online	Carson Andorf
2:40 PM	20 minutes	OmegaFold	Stephen Harding
Protein Structure Search			
3:00 PM	30 minutes	FoldSeek	Olivia Haley
		FoldSeek Online	Stephen Harding
Missense Variant Effect Predictions			
3:30 PM	30 minutes	ESM-variant	Carson Andorf
		PanEffect (Fusarium)	Hye-Seon Kim
		PanEffect (Maize)	Carson Andorf
Protein Binder Predictions			
4:00 PM	30 minutes	RFdiffusion	Olivia Haley
		RFdiffusion online	Olivia Haley
Extra topics (if time)			

Additional resources:

[Tool Descriptions](#)

[Conda Environments](#)