

The UA Department of Ecology & Evolutionary Biology Presents:

“Learning the language of proteins”

Presented by
Dr. Claire McWhite
Assistant Professor,
Molecular & Cellular Biology

Hosted by Dr. Mike Barker

MONDAY, DECEMBER 1
3:00-4:00 PM
ENR2 S107 and Zoom



About Dr. McWhite

I'm interested in the acquisition of novel protein function across evolution. It is possible to model protein sequences as a language, viewing amino acids as words and whole proteins as sentences. As in human language where words have meaning based on context, amino acids have function based on the context of their surrounding amino acids. These models are a powerful tool to interpret both mutation effects and protein functional divergence. I'm broadly focused on developing frameworks to interpret biological properties through the lens of protein language.



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