Speaker: David Jones

Title: AlphaFold2 - the end of the protein folding problem or the end of the beginning?

Abstract:
The astonishing results of DeepMind's AlphaFold2 in the last CASP experiment caused a huge stir in both the AI and biology fields, and this was of course widely reported in the general media. The claim is that the protein folding problem has finally been solved, but has it really? In this talk I will not be talking directly about AlphaFold2 itself, but instead what inspiration we can take from it about future directions we might take in protein bioinformatics research using modern AI techniques. Along the way, I'll illustrate my thoughts with some recent and current machine-learning based projects from my own lab.