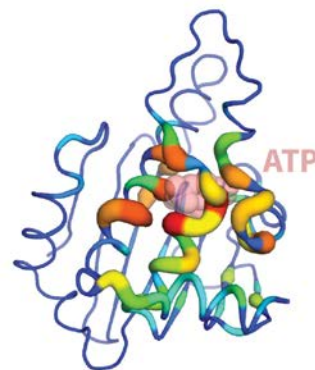
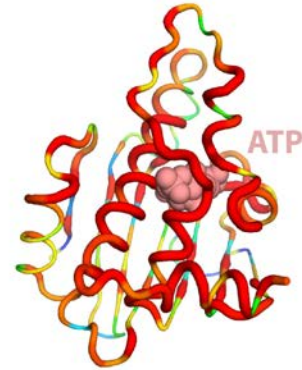




Viewing protein fitness landscapes through a next-gen lense



Experimental Fitness
null  WT



Relative conservation
Variable  Invariant

The last decade has seen a growing number of experiments aimed at systematically mapping the effects of mutations in different proteins, and of attempting to correlate their biophysical and biochemical effects with organismal fitness. While insightful, systematic laboratory measurements of fitness effects present challenges and difficulties. Here, we discuss the limitations associated with such measurements, and in particular the challenge of correlating the effects of mutations at the single protein level ("protein fitness") with their effects on organismal fitness

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Host: Dr. Frederick Roth

Date: Thursday July 6th, 2017

Time: 3PM

Place: Donnelly Centre, 160 College St
Red Seminar Room