



Seminar/Talk

How do proteins evolve?

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Host: Fyodor Kondrashov

I will describe findings and models regarding how new proteins functions evolve, via gradual, small changes in sequence and structure. However, the mechanisms of such evolutionary micro-transitions do not explain the macro evolutionary transitions how (and whether) did proteins emerge de novo? The size, structural complexity, and functional near-perfection of proteins, makes this Q particularly daunting. In the second part of my talk I will discuss our findings with respect to the de novo emergence of functional, globular proteins from short peptides, and specifically, new insight regarding the emergence of the earliest proteins.

Tuesday, December 18, 2018 02:00pm - 03:00pm

Seminar Room, Lab Building East



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