



***RNA Innovation Seminar
Thursday, May 4th at 4:00pm
Forum Hall, Palmer Commons***

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“Effects of new mutations on gene expression”

Abstract:

Gene expression is controlled by a complex network of interactions between cis- and trans-regulatory sequences. New mutations affecting these regulatory sequences give rise to variation within a species (including both healthy and disease states) as well as diversity between species. Our work examines the impact of new mutations on gene expression and examines the evolutionary fate of this regulatory variation.

Keywords:

gene regulation; enhancer sequence elements; mutations and evolution; regulatory network