

Termination of Translation in Bacteria and Eukaryotes

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Termination of translation in all domains of life is triggered by the entry of a stop codon in the A site of the ribosome. These three codons are recognized by a protein release factor. However, release factors in bacteria and eukaryotes appear to have no structural or sequence similarity. In this talk, I will describe structural work that sheds the basis of release factor function in the two domains of life and show that despite their dissimilarity, they share certain common features.