

MS06-02 | STRUCTURAL BASIS OF RIBOSOMAL RNA SYNTHESIS IN BACTERIA

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Ribosomal RNA synthesis in *Escherichia coli* involves a transcription elongation complex (EC), in which RNA polymerase is modified by a signal element on the transcript, Nus factors A, B, E and G, ribosomal protein S4 and inositol mono-phosphatase SuhB. This EC is resistant to ρ -dependent termination and facilitates ribosomal RNA folding, maturation and subunit assembly. I will report on recent results from our lab on the functional architecture of the ribosomal RNA EC.