



## Ribosomal Proteins in Ribosome Assembly

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submissions:

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### Message from the Guest Editors

Ribosome biogenesis is a key cellular process involving the assembly of ribosomal proteins (r-proteins) with ribosomal RNA (rRNA) into the complex three-dimensional structure of mature ribosomes. Newly synthesized r-proteins are prone to aggregation and therefore need to be protected both by the general cellular chaperone network and by dedicated r-protein chaperones. Eukaryotic r-proteins, moreover, have to overcome a physical obstacle. Hence, eukaryotic ribosome biogenesis relies on the efficient nuclear import of r-proteins.

This issue aims to present up-to-date original research manuscripts as well as review manuscripts about all aspects of r-proteins in ribosome assembly, including insights from all domains of life that cover but are not restricted to the following areas:

Regulation of r-protein synthesis;

Nuclear import of r-proteins and r-protein chaperones;

The order and mechanisms of incorporation of r-proteins into nascent ribosomes;

The functions of r-proteins in rRNA folding and ribosome maturation;

Evolutionary aspects—r-proteins in bacteria, archaea, and eukaryotes;

Diseases of aberrant r-protein synthesis and assembly.





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## Message from the Editorial Board

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