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Mechanisms of ribosomopathy and phase separation-related ribosomopathy

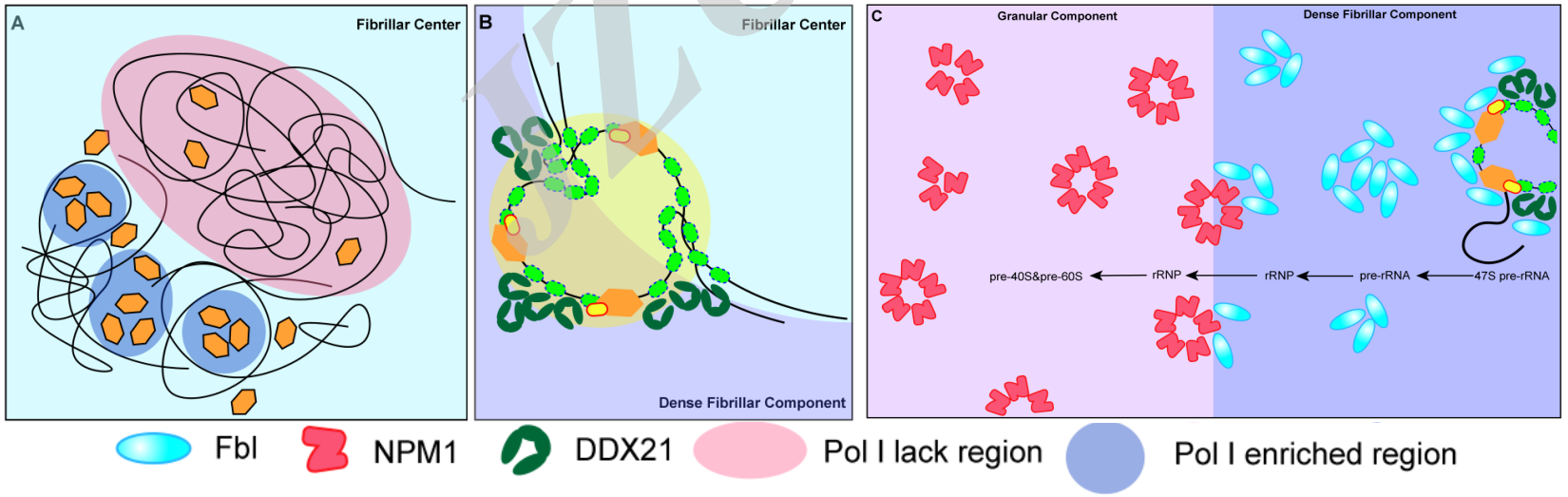
Key words: **Ribosome; Phase separation; Ribosomopathy; Tissue specificity**

Summary

This review mainly focused on the following aspects of ribosomopathy:

- **Ribosome biogenesis and ribosomopathy**
- **Tissue specificity of ribosomopathy**
- **Role of phase separation in ribosomopathy**

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Innovation points

A series of comprehensive figures and tables were generated to summarize the latest knowledge about ribosomopathy.

Figure 1 | Intra-nucleolar ribosome biogenesis process and associated ribosomopathies.

Figure 2 | Extra-nucleolar ribosome biogenesis process and associated ribosomopathies.

Figure 3 | Phase separation in the nucleolar organization and ribosome biogenesis.

Table 1 | Mechanisms of ribosomopathies.

Table 2 | Main affected areas of ribosomopathies.

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