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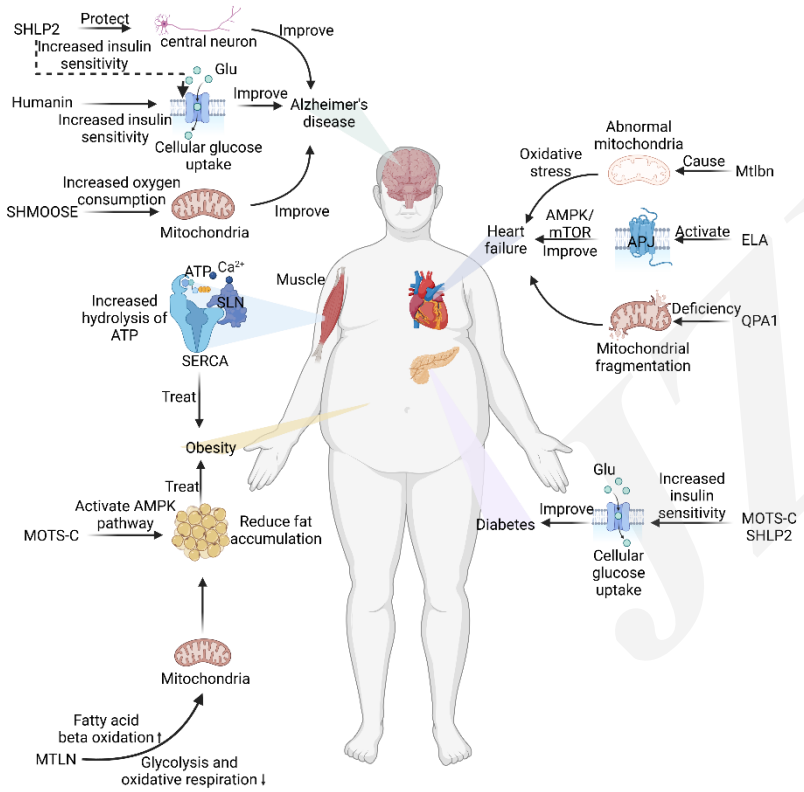
Micropeptides: origins, identification, and potential role in metabolism-related diseases

Key words: Energy metabolism; Micropeptides; Mitochondria; ncRNA; sORF

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Research Summary

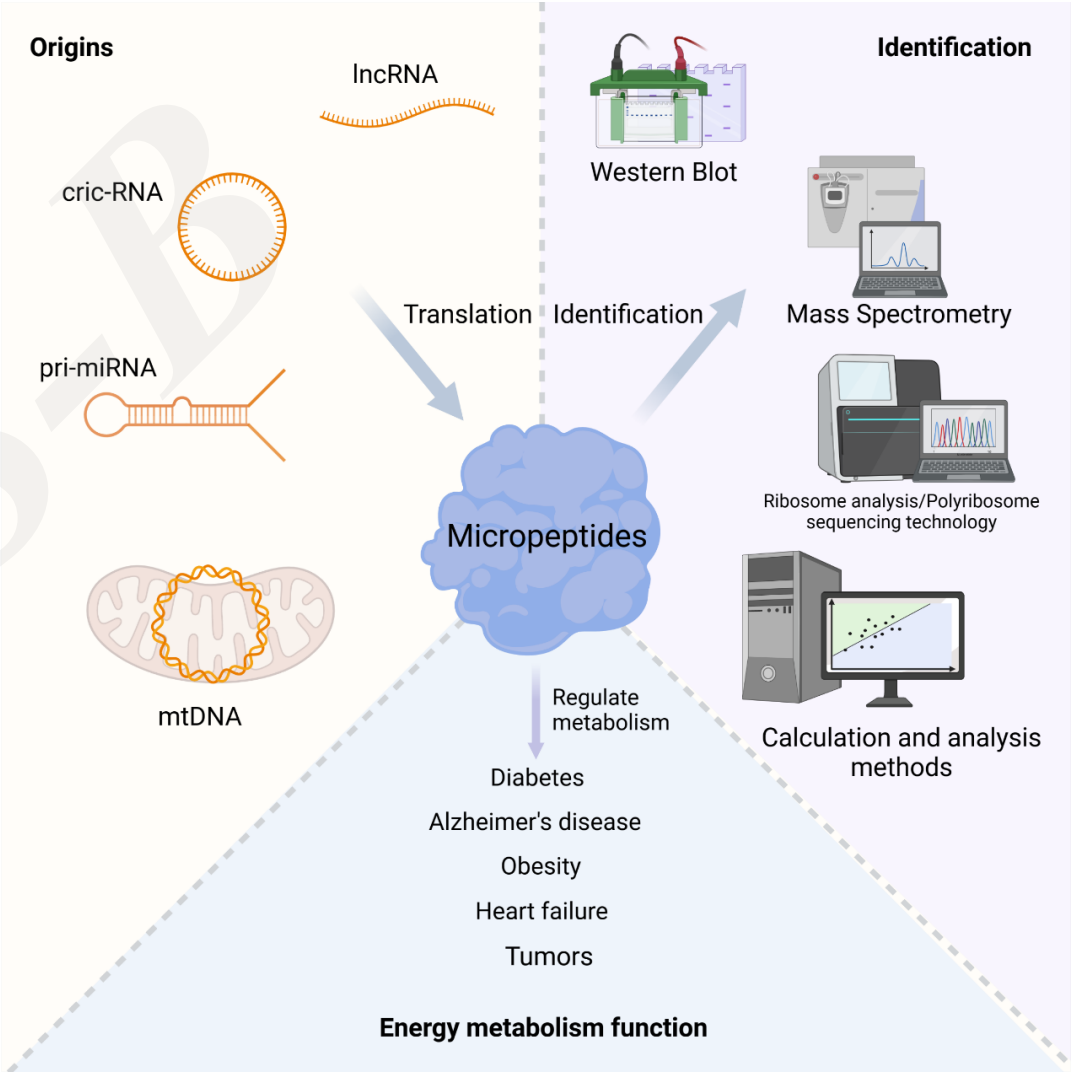
This review focuses on the microproteins （miPs） encoded by small and medium-sized open reading frames of non-coding RNA, and summarizes the following key points：



- Source of miPs
- Identification of miPs
- Role of miPs in energy metabolism-related diseases

Innovation points

- The different origins of miPs.
- The identification methods of miPs, and the advantages and disadvantages of these methods
- The role of miPs in regulating energy metabolism-related diseases



Innovation points

A series of tables and pictures are generated summarizing recent findings on miPs：

Figure 1: ncRNAs encode proteins

Figure 2: Identification of miPs

Figure 3: Metabolic functions of miPs

Figure 4: miPs are involved in tumor progression

Table 1: Sources of miPs

Table 2: Comparison of miPs identification methods

Table 3: Mechanisms of action of miPs

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