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On the origin of mitosing cells: a historical appraisal of Lynn Margulis endosymbiotic theory

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Highlights

- Margulis' scheme on eukaryogenesis by endosymbiosis was not a mere revival of old ideas.
- Her coherent evolutionary narrative provided testable hypotheses and specific predictions.
- Genome analyses strengthen the role of endosymbiosis in eukaryogenesis.
- The role of symbiosis in evolutionary innovation expands the Darwinian foundations.
- Margulis endosymbiotic scenario stands as a lasting scientific contribution.

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