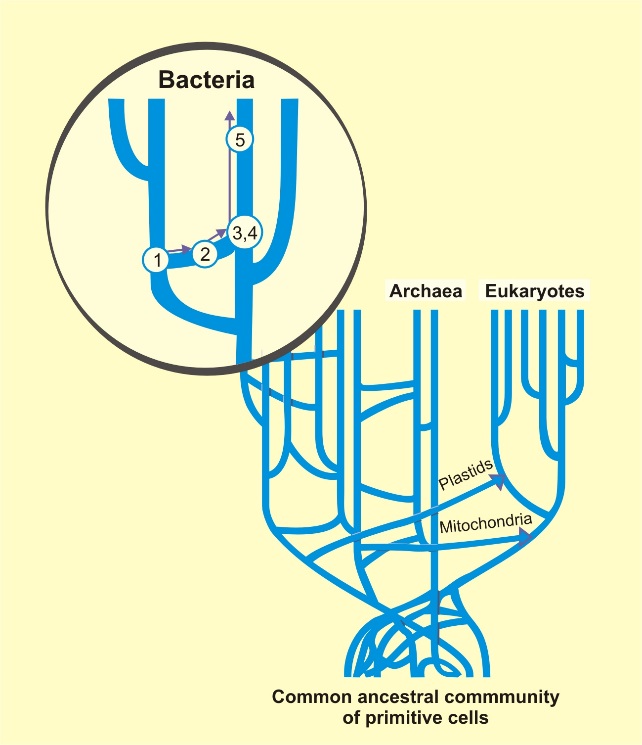
**The Endosymbiotic Theory of Eukaryote Evolution**



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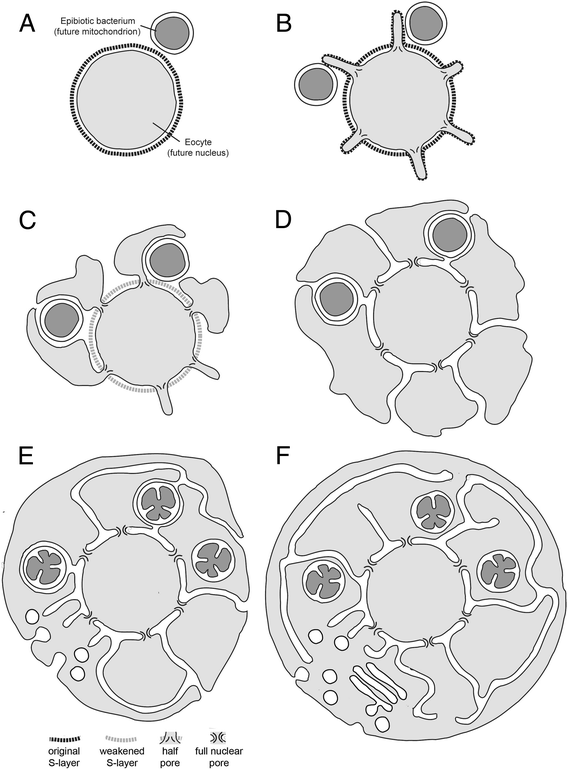
Dr. Lynn Margulis

1938-2011



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Tree of life showing vertical and horizontal gene transfers



*BMC Biology* 2014 **12**:76

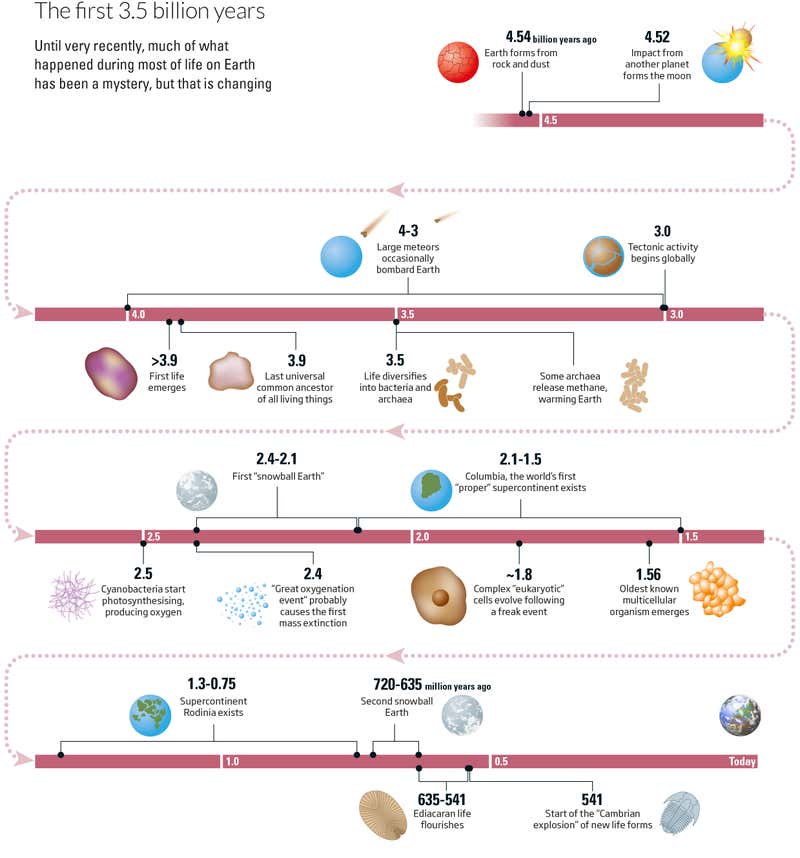
<https://doi.org/10.1186/s12915-014-0076-2>

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Hiroyuki Imachi and his team devised a culture protocol that allowed them to grow members of the Asgard archaen for the first time. Imachi calls the organism *Prometheoarchaeum syntrophicum*. His team were able to photograph (above) and study its behaviour. It is a possible ancestor of the archaen that “swallowed” a bacterium leading to the evolution of the Eukaryota. 

Article accessed 2019/10/2.



“In the beginning: the full story of life on Earth can finally be told,” by Michael Marshall, *New Scientist*, issue 3212. Published 12 January 19, amended 6 February 2019.