

Seznam použité literatury:

- Arp, A. J., et al.** Oxygenation properties of the two co-occurring hemoglobins of the tube worm *Riftia pachyptila*. *Respir. Physiol.* 80, 323–334 (1990).
- Bártulos, C. R., et al.** Mitochondrial targeting of glycolysis in a major lineage of eukaryotes. *bioRxiv* 257790 (2018). doi:10.1101/257790
- Butterfield, N. J.** *Bangiomorpha pubescens* n. gen., n. sp.: implications for the evolution of sex, multicellularity, and the Mesoproterozoic/Neoproterozoic radiation of eukaryotes. *Paleobiology* 26, 386–404 (2000).
- Cavanaugh, C. M., et al.** Prokaryotic Cells in the Hydrothermal Vent Tube Worm *Riftia pachyptila* Jones: Possible Chemoautotrophic Symbionts. *Science* 213, 340–342
- Derelle, R., et al.** Bacterial proteins pinpoint a single eukaryotic root. *Proc. Natl. Acad. Sci. U. S. A.* 112, E693–9 (2015).
- de Vries, J. & Gould, S. B.** The monoplastidic bottleneck in algae and plant evolution. *J. Cell Sci.* 131, jcs.203414 (2017).
- Duperron, S., et al.** Dual symbiosis in a Bathymodiolus sp. mussel from a methane seep on the Gabon continental margin (Southeast Atlantic): 16S rRNA phylogeny and distribution of the symbionts in gills. *Appl. Environ. Microbiol.* 71, 1694–700 (2005).
- Feldhaar, H., et al.** Nutritional upgrading for omnivorous carpenter ants by the endosymbiont *Blochmannia*. *BMC Biol.* 5, 48 (2007).
- Gibbs, S. P.** The chloroplasts of *Euglena* may have evolved from symbiotic green algae. *Can. J. Bot.* 56, 2883–2889 (1978).
- Glaser, R. W.** The Intracellular Bacteria of the Cockroach in Relation to Symbiosis. *J. Parasitol.* 32, 483 (1946).
- Goffredi, S. K., et al.** Inorganic carbon acquisition by the hydrothermal vent tubeworm *Riftia pachyptila* depends upon high external PCO₂ and upon proton-equivalent ion transport by the worm. *J. Exp. Biol.* 200, 883–96 (1997).
- Gruber-Vodicka, H. R., et al.** Paracatenula, an ancient symbiosis between thiotrophic Alphaproteobacteria and catenulid flatworms. *Proc. Natl. Acad. Sci. U. S. A.* 108, 12078–83 (2011).

- Hadariová, L., et al.** Reductive evolution of chloroplasts in non-photosynthetic plants, algae and protists. *Curr. Genet.* 1–23 (2017). doi:10.1007/s00294-017-0761-0
- Hirano, T., et al.** Moss Chloroplasts Are Surrounded by a Peptidoglycan Wall Containing D-Amino Acids. *Plant Cell* 28, 1521–32 (2016).
- Janouškovec, J., et al.** A New Lineage of Eukaryotes Illuminates Early Mitochondrial Genome Reduction. *Curr. Biol.* 27, 3717–3724.e5 (2017).
- Karkowska, A., et al.** A Eukaryote without a Mitochondrial Organelle. *Curr. Biol.* 26, 1274–84 (2016).
- Keeling, P. J.** Diversity and evolutionary history of plastids and their hosts. *Am. J. Bot.* 91, 1481–1493 (2004).
- Kikuchi, Y. & Fukatsu, T.** Endosymbiotic bacteria in the esophageal organ of glossiphoniid leeches. *Appl. Environ. Microbiol.* 68, 4637–41 (2002).
- Kroth, P. G.** Protein transport into secondary plastids and the evolution of primary and secondary plastids. *Int. Rev. Cytol.* 221, 191–255 (2002).
- Leger, M. M., et al.** Organelles that illuminate the origins of Trichomonas hydrogenosomes and Giardia mitosomes. *Nat. Ecol. Evol.* 1, 92 (2017).
- López-Sánchez, M. J., et al.** Blattabacteria, the endosymbionts of cockroaches, have small genome sizes and high genome copy numbers. *Environ. Microbiol.* 10, 3417–3422 (2008).
- Łukasik, P., et al.** Multiple origins of interdependent endosymbiotic complexes in a genus of cicadas. *Proc. Natl. Acad. Sci. U. S. A.* 115, E226–E235 (2018).
- Marin, B., et al.** A Plastid in the Making: Evidence for a Second Primary Endosymbiosis. *Protist* 156, 425–432 (2005).
- McFadden, G. I. & van Dooren, G. G.** Evolution: Red Algal Genome Affirms a Common Origin of All Plastids. *Curr. Biol.* 14, R514–R516 (2004).
- Minic, Z. & Hervé, G.** Biochemical and enzymological aspects of the symbiosis between the deep-sea tubeworm *Riftia pachyptila* and its bacterial endosymbiont. *Eur. J. Biochem.* 271, 3093–3102 (2004).
- Mujer, C. V., et al.** Chloroplast genes are expressed during intracellular symbiotic association of *Vaucheria litorea* plastids with the sea slug *Elysia chlorotica*. *Proc. Natl. Acad. Sci.* 93, (1996).
- Ponce-Toledo, R. I., et al.** An Early-Branching Freshwater Cyanobacterium at the Origin of Plastids. *Curr. Biol.* 27, 386–391 (2017).
- Roger, A. J., et al.** The Origin and Diversification of Mitochondria. *Curr. Biol.* 27, R1177–R1192 (2017).

Rouse, G. W., et al. Osedax: bone-eating marine worms with dwarf males. *Science* 305, 668–71 (2004).

Sagan, L. On the origin of mitosing cells. *J. Theor. Biol.* 14, 225–IN6 (1967).

Sockett, R. E. Predatory Lifestyle of *Bdellovibrio bacteriovorus*. *Annu. Rev. Microbiol.* 63, 523–539 (2009).

Taylor, J. D., Glover, E. A. Lucinidae (Bivalvia)—the most diverse group of chemosymbiotic molluscs. *Zool. J. Linn. Soc.* 148, 421–438 (2006).

Wernegreen, J. J. Ancient bacterial endosymbionts of insects: Genomes as sources of insight and springboards for inquiry. *Exp. Cell Res.* 358, 427–432 (2017).

Werren, J. H., et al. Wolbachia: master manipulators of invertebrate biology. *Nat. Rev. Microbiol.* 6, 741–751 (2008).

Zaremba-Niedzwiedzka, K., et al. Asgard archaea illuminate the origin of eukaryotic cellular complexity. *Nature* 541, 353–358 (2017).