

Some lab publications since 2009:

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2. Lopez P, Bapteste E (2009) Molecular phylogeny: reconstructing the forest. *C R Biol. Feb-Mar*; 332(2-3):171-82. PMID: 19281950

3. Boucher Y, Bapteste E (2009) Revisiting the concept of lineage in prokaryotes: a phylogenetic perspective. *Bioessays.* 31(5):526-36.

4. Bapteste E, O'Malley MA, Beiko RG, Ereshefsky M, Gogarten JP, Franklin-Hall L, Lapointe FJ, Dupré J, Dagan T, Boucher Y, Martin W. (2009) Prokaryotic evolution and the tree of life are two different things. *Biol Direct.*;4:34.

5. Bapteste E, Boucher Y (2009) Epistemological impacts of horizontal gene transfer on classification in microbiology *Methods Mol Biol.*; 532:55-72. PMID: 19271179

6. Halary S, Leigh J, Cheaib B, Lopez P, Bapteste E (2010). Network analyses structure genetic diversity in independent genetic worlds., Proc Natl Acad Sci U S A. 107(1):127-32. (Evaluated by the Faculty of 1000)

7. Lapointe FJ, Lopez P, Boucher Y, Koenig J, Bapteste E (2010). Clanistics: a multi-level perspective for harvesting unrooted gene trees. Trends Microbiol. 18(8):341-347

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14. *Beauregard-Racine J, Bicep C, Schliep K, Lopez P, Lapointe FJ, Bapteste E*

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16. Bapteste E, Bouchard F, Burian RM. (2012) Philosophy and evolution: minding the gap between evolutionary patterns and tree-like patterns. Methods Mol Biol. (856):81-110.

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non-genealogical bonds produced by introgressive descent. Proc Natl Acad Sci U S A.109(45):18266-72.

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MosaicFinder: identification of fused gene families in sequence similarity networks. Bioinformatics. 29(7):837-44.**

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