

## PUBLICATIONS BY CGEB FACULTY MEMBERS AND TRAINEES (2008 – present)

Note: Faculty Members are highlighted in bold; Trainees are underlined; Associates are marked with \*

### 2008:

- Archibald, J.M.** (2008) Genome evolution: remnant algal genes in ciliates. *Curr. Biol.* 18: R663-R665.
- Archibald, J.M.** (2008) The eocyte hypothesis and the origin of eukaryotic cells. *Proc. Natl. Acad. Sci. USA* 51: 20049-20050.
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- Baptiste, E., **Susko, E.**, Leigh, J., Ruiz-Trillo, I., Bucknam, J. and **Doolittle, W.F.** (2008) Alternative methods for concatenation of core genes indicate a lack of resolution in deep nodes of the prokaryotic phylogeny. *Mol. Biol. Evol.* 25: 83-91.
- Beiko, R.G.** (2008) Small but mighty: microbial communities and a second wave of genomics. *Can. Chem. News* 60: 10-13.
- Beiko, R.G.** and Ragan, M.A. (2008) Detecting lateral genetic transfer: a phylogenetic approach. *Methods Mol. Biol.* 452: 457-469.
- Beiko, R.G.**, **Doolittle, W.F.** and Charlebois, R.L. (2008) The impact of reticulate evolution on genome phylogeny. *Syst. Biol.* 57: 844-56.
- Beiko, R.G.**, Whalley, J., Wang, S., Clair, H., Smolyn, G., Churcher, S., Porter, M., **Blouin, C.** and Brooks, S. (2008) Spatial analysis and visualization of genetic biodiversity. *Free and Open Source Software for Geospatial (FOSS4G)*.
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- Doolittle, W.F.** (2008) Microbial evolution: stalking the wild bacterial species. *Curr. Biol.* 18: R565-567.
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- Fong, M. and **Archibald, J.M.** (2008) Evolutionary dynamics of light-independent protochlorophyllide oxidoreductase (LIPOR) genes in the secondary plastids of cryptophyte algae. *Eukaryot. Cell* 7: 550-553.
- Gogarten, P.J., Fournier, G. and Zhaxybayeva, O. (2008) Gene transfer and the reconstruction of life's early history from the molecular record. *Space Sci. Rev.* 135: 115-131.
- Hamblin, K., Standley, D.M., Rogers, M.B., Stechmann, A., **Roger, A.J.**, Maytum, R. and van der Giezen, M. (2008) Localization and nucleotide specificity of *Blastocystis* succinyl-CoA synthetase. *Mol. Microbiol.* 68: 1395-1405.
- Hamel, L., Nahar, N., Poptsova, M.S., Zhaxybayeva, O. and Gogarten, J.P. (2008) Unsupervised learning in detection of gene transfer. *J. Biomed. Biotech.* 2008: 472719.
- Hampl, V. and **Simpson, A.G.B.** (2008) Possible mitochondria-related organelles in poorly-studied 'amitochondriate' eukaryotes. In J. Tachezy (Ed.), *Hydrogenosomes and mitosomes: mitochondria of anaerobic eukaryotes*, pp. 265-282, Springer Verlag.
- Hampl, V., Silberman, J.D., Stechmann, A., Diaz-Triviño, S., Johnson, P.J. and **Roger, A.J.** (2008) Genetic evidence for a mitochondriate ancestry in the amitochondriate flagellate *Trimastix pyriformis*. *PLoS One* 3: e1383.
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<http://www.tolweb.org/Eukaryotes/3>
- Khan, H.** and **Archibald, J.M.** (2008) Lateral transfer of introns in the cryptophyte plastid genome. *Nucleic Acids Res.* 36: 3043-3053.
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