

## **Selected Publications**

Han, M. V., Thomas, G. W., Lugo-Martinez, J. & Hahn, M. W. Estimating gene gain and loss rates in the presence of error in genome assembly and annotation using CAFE 3. *Mol Biol Evol* (2013).

Han, M. V. & Hahn, M. W. Inferring the history of interchromosomal gene transposition in *Drosophila* using n-dimensional parsimony. *Genetics* 190, 813–825 (2012).

Han, M. V. Characterizing gene movements between chromosomes in *Drosophila*. *Fly* 6, 121–125 (2012).

Chen, S. et al. Genome sequence of the model medicinal mushroom *Ganoderma lucidum*. *Nat Comms* 3, 913 (2012).

Snell Rood, E. C. et al. Developmental decoupling of alternative phenotypes: Insights from the transcriptomes of horn-polyphenic beetles. *Evolution* 65, 231–245 (2011).

Moyle, L. C., Muir, C. D., Han, M. V. & Hahn, M. W. The contribution of gene movement to the ‘two rules of speciation’. *Evolution* 64, 1541–1557 (2010).

Lu, Y.-K. et al. Metabolic flexibility revealed in the genome of the cyst-forming  $\gamma$ -1 proteobacterium *Rhodospirillum centenum*. *BMC Genomics* 11, 325 (2010).

Han, M. V. & Zmasek, C. phyloXML: XML for evolutionary biology and comparative genomics. *BMC Bioinformatics* 10, 356 (2009).

Han, M. V., Demuth, J. P., McGrath, C. L., Casola, C. & Hahn, M. W. Adaptive evolution of young gene duplicates in mammals. *Genome Res.* 19, 859–867 (2009).

Meisel, R. P., Han, M. V. & Hahn, M. W. A complex suite of forces drives gene traffic from *Drosophila* X chromosomes. *Genome Biology and Evolution* 1, 176 (2009).

Han, M. V. & Hahn, M. W. Identifying parent-daughter relationships among duplicated genes. *Pacific Symposium on Biocomputing* 14, 114–125 (2009).

Costello, J. C., Han, M. V. & Hahn, M. W. Limitations of pseudogenes in identifying gene losses. 14–25 (2008).

Clark, A. G. et al. Evolution of genes and genomes on the *Drosophila* phylogeny.: *Drosophila* 12 Genomes Consortium. *Nature* 450, (2007).

Stark, A. et al. Discovery of functional elements in 12 *Drosophila* genomes using evolutionary signatures. *Nature* 450, 219–232 (2007).

Hahn, M. W., Han, M. V. & Han, S.-G. Gene family evolution across 12 *Drosophila* genomes. *PLoS Genet* 3, e197 (2007).