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Articles selected by Faculty of **1000**: arraying fly eye development; genome-wide analysis of phosphatidylinositol pathway; temperature-induced *B. burgdorferi* expression profiles; candidate genes for Parkinson's disease; *Arabidopsis* GST database

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Summary

A selection of evaluations from Faculty of 1000 covering microarray analysis of eye development in *Drosophila*, profiling the phosphatidylinositol metabolic pathway, temperature-induced gene-expression changes in *Borrelia burgdorferi*, bioinformatic identification of candidate genes for Parkinson's disease and an *Arabidopsis* GST database.

Arraying fly eye development

Analysis of the eye developmental pathway in *Drosophila* using DNA microarrays. Michaut L, Flister S, Neeb M, White KP, Certa U, Gehring WJ. *Proc Natl Acad Sci U S A* 2003, **100**:4024-4029.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-5-322.asp#Michaut>

Genome-wide analysis of phosphatidylinositol pathway

Novel functions of the phosphatidylinositol metabolic pathway discovered by a chemical genomics screen with wortmannin. Zewail A, Xie MW, Xing Y, Lin L, Zhang PF, Zou W, Saxe JP, Huang J. *Proc Natl Acad Sci U S A* 2003, **100**:3345-3350.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-5-322.asp#Puthoff>

Temperature-induced *B. burgdorferi* expression profiles

Profiling of temperature-induced changes in *Borrelia burgdorferi* gene expression by using whole genome arrays. Ojaimi C, Brooks C, Casjens S, Rosa P, Elias A, Barbour A, Jasinskas A, Benach J, Katona L, Radolf J, *et al.* *Infect Immun* 2003, **71**:1689-1705.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-5-322.asp#Ojaimi>

Candidate genes for Parkinson's disease

Genomic convergence: identifying candidate genes for Parkinson's disease by combining serial analysis of gene expression and genetic linkage. Hauser MA, Li YJ, Takeuchi S, Walters R, Nouredine M, Maready M, Darden T, Hulette C, Martin E, Hauser E, *et al.* *Hum Mol Genet* 2003, **12**:671-677.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-5-322.asp#Hauser>

Arabidopsis GST database

CATMA: a complete *Arabidopsis* GST database. Crowe ML, Serizet C, Thareau V, Aubourg S, Rouzé P, Hilson P, Beynon J, Weisbeek P, van Hummelen P, Reymond P, *et al.* *Nucleic Acids Res* 2003, **31**:156-158.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-5-322.asp#Crowe>