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Summary

A selection of evaluations from Faculty of 1000 covering several post-genomic studies in *C. elegans*, the use of 'integrative genomics' in disease gene identification and a comparison of mouse and human genomes.

Fat regulation in *C. elegans*

Genome-wide RNAi analysis of *Caenorhabditis elegans* fat regulatory genes. Ashrafi K, Chang FY, Watts JL, Fraser AG, Kamath RS, Ahringer J, Ruvkun G. *Nature* 2003, **421**:268-272.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-3-311.asp#Ashrafi>

Disease gene identification

Identification of a gene causing human cytochrome c oxidase deficiency by integrative genomics. Mootha VK, Lepage P, Miller K, Bunkenborg J, Reich M, Hjerrild M, Delmonte T, Villeneuve A, Sladek R, Xu F, *et al.* *Proc Natl Acad Sci U S A* 2003, **100**:605-610.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-3-311.asp#Mootha>

Comparison of mouse and human genomes

Comparison of mouse and human genomes followed by experimental verification yields an estimated 1,019 additional genes. Guigo R, Dermitzakis ET, Agarwal P, Ponting CP, Parra G, Reymond A, Abril JF, Keibler E, Lyle R, Ucla C, *et al.* *Proc Natl Acad Sci U S A* 2003, **100**:1140-1145.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-3-311.asp#Guigo>

C. elegans early embryonic transcriptome

Composition and dynamics of the *Caenorhabditis elegans* early embryonic transcriptome. Baugh LR, Hill AA, Slonim DK, Brown EL, Hunter CP. *Development* 2003, **130**:889-900.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-3-311.asp#Baugh>

Functional genomics in *C. elegans*

Systematic functional analysis of the *Caenorhabditis elegans* genome using RNAi. Kamath RS, Fraser AG, Dong Y, Poulin G, Durbin R, Gotta M, Kanapin A, Le Bot N, Moreno S, Sohrmann M, *et al.* *Nature* 2003 **421**:231-237.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-3-311.asp#Kamath>