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Geobacter sulfurreducens genome sequence

A selection of evaluations from Faculty of 1000 covering the *Geobacter sulfurreducens* genome sequence, studying protein-protein interactions *in planta*, screening peptoid libraries, a human protein reference database and a study of the circuitry underlying cell-type control in *Candida albicans*.

Genome of *Geobacter sulfurreducens* : metal reduction in subsurface environments. Methé BA, Nelson KE, Eisen JA, Paulsen IT, Nelson W, Heidelberg JF, Wu D, Wu M, Ward N, Beanan MJ, *et al.* *Science* 2003, **302**:1967-1969.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-2-311.asp#Methe>

Studying protein-protein interactions *in planta*

Development of a system for the study of protein-protein interactions *in planta* : characterization of a TATA-box binding protein complex in *Oryza sativa* . Zhong J, Haynes PA, Zhang S, Yang X, Andon NL, Eckert D, Yates JR, Wang X, Budworth P. *J Proteome Res* 2003, **2**:514-522.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-2-311.asp#Zhong>

Screening peptoid libraries

Isolation of protein ligands from large peptoid libraries. Alluri PG, Reddy MM, Bachhawat-Sikder K, Olivos HJ, Kodadek T. *J Am Chem Soc* 2003, **125**:13995-14004.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-2-311.asp#Alluri>

Human protein reference database

Development of human protein reference database as an initial platform for approaching systems biology in humans. Peri S, Navarro JD, Amanchy R, Kristiansen TZ, Jonnalagadda CK, Surendranath V, Niranjana V, Muthusamy B, Gandhi TK, Gronborg M, *et al.* *Genome Res* 2003, **13**:2363-2371.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-2-311.asp#Peri>

Cell-type control in *Candida albicans*

Evolution of a combinatorial transcriptional circuit: a case study in yeasts. Tsong AE, Miller MG, Raisner RM, Johnson AD. *Cell* 2003, **115**:389-399.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2004-5-2-311.asp#Tsong>