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1

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Hypothesis



Controversial

### Why most published research findings are false.

Ioannidis JP

*PLoS Med* 2005 Aug **2**(8):e124 [[abstract on PubMed](#)] [[related articles](#)] [[order article](#)]

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**Selected by** | Andreas Wagner**NEW** / Marjori Matzke

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2

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Confirmation



New Finding



Tech Advance

### MicroRNA expression profiles classify human cancers.

Lu J, Getz G, ..., Horvitz HR, Golub TR

*Nature* 2005 Jun 9 **435**(7043):834-8 [[abstract on PubMed](#)] [[related articles](#)] [[order article](#)]

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### Inferential structure determination.




Rieping W, Habeck M, Nilges M

*Science* 2005 Jul 8 **309**(5732):303-6 [[abstract on PubMed](#)] [[related articles](#)] [[order article](#)]


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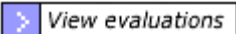
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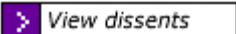
 Hypothesis  
 New Finding  
 Controversial

### Genome-wide non-mendelian inheritance of extra-genomic information in Arabidopsis.

Lolle SJ, Victor JL, Young JM, Pruitt RE  
*Nature* 2005 Mar 23 [[abstract on PubMed](#)]  
[[related articles](#)] 

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Alejandro Sanchez-Alvarado  
First evaluation 24 Mar 2005 |  
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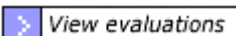
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### Gene expression profiling in single cells within tissue.

Capodieci P, Donovan M, ..., Shenoy SM, Singer RH  
*Nat Methods* 2005 Sep **2**(9):663-5 [[abstract on PubMed](#)] [[related articles](#)] [[order article](#)]



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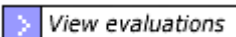
**6**  **Exceptional**  
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### Reproducible Research: A Bioinformatics Case Study.

Gentleman R  
*Stat Appl Genet Mol Biol* 2005 **4**:article 2  
[[order article](#)] 

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**7**  **Must Read**  
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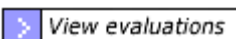
 New Finding



### Initial sequence of the chimpanzee genome and comparison with the human genome.


Chimpanzee Sequencing and Analysis Consortium  
*Nature* 2005 Sep 1 **437**(7055):69-87 [[abstract on PubMed](#)] [[related articles](#)] [[order article](#)]



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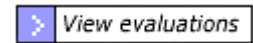
### Myosin domain evolution and the primary divergence of eukaryotes.



Richards TA, Cavalier-Smith T


*Nature* 2005 Aug 25 **436**(7054):1113-8 [[abstract on PubMed](#)] [[related articles](#)] [[order article](#)]



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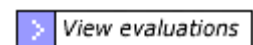
### Protein flexibility and rigidity predicted from sequence.



Schlessinger A, Rost B



*Proteins* 2005 Aug 3 **61**(1):115-126 [[abstract on PubMed](#)] [[related articles](#)] [[order article](#)]



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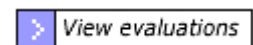
### Assessing the limits of genomic data integration for predicting protein networks.

Lu LJ, Xia Y, Paccanaro A, Yu H, Gerstein M

*Genome Res* 2005 Jul **15**(7):945-53 [[abstract on PubMed](#)] [[related articles](#)] [[order article](#)]



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