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New Finding

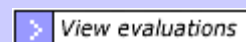
Tech Advance

**Insight into "insoluble proteins" with pure water.**

Song J

*FEBS Lett* 2009 Mar 18 **583**(6):953-9 [[abstract on PubMed](#)][[related articles](#)] [[full text](#)] [[order article](#)]**Selected by** | Gottfried Otting

Evaluated 27 Apr 2009



2



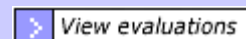
New Finding

**Design and engineering of an O(2) transport protein.**

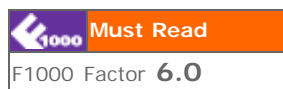
Koder RL, Anderson JL, ..., Moser CC, Dutton PL

*Nature* 2009 Mar 19 **458**(7236):305-9 [[abstract on PubMed](#)][[related articles](#)] [[full text](#)] [[order article](#)]**Selected by** | Jia-huai Wang

Evaluated 7 May 2009



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Hypothesis

New Finding

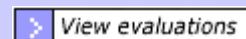
**The pK(a) Values of Acidic and Basic Residues Buried at the Same Internal Location in a Protein Are Governed by Different Factors.**

Harms MJ, Castañeda CA, ..., Sue GR, García-Moreno E B

*J Mol Biol* 2009 Mar 24 [[abstract on PubMed](#)] [[related articles](#)][[full text](#)]**Selected by** | Nathan Baker with Marcelo

Marucho

Evaluated 7 May 2009



4



Confirmation

Hypothesis

New Finding

Tech Advance

**Membrane scission by the ESCRT-III complex.**

Wollert T, Wunder C, Lippincott-Schwartz J, Hurley JH

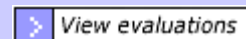
*Nature* 2009 Mar 12 **458**(7235):172-7 [[abstract on PubMed](#)][[related articles](#)] [[full text](#)] [[order article](#)]**Selected by** | David Stephens / Tom Rapoport

with Ann Marie Stanley / Lois Weisman /

Bruno Goud with Winfried Römer /

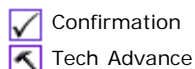
Michael Dustin / Judith Klumperman /

Robert Stroud / Peter McPherson



First evaluation 19 Mar 2009 | Latest evaluation  
27 Apr 2009

5



### Molecular simulations of cotranslational protein folding: fragment stabilities, folding cooperativity, and trapping in the ribosome.

Elcock AH

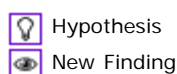
*PLoS Comput Biol* 2006 Jul 28 **2**(7):e98

[[abstract on PubMed](#)] [[related articles](#)] [[FREE full text](#)]

**Selected by** | Narayanaswamy Srinivasan with  
Ramachandra M. Bhaskara  
Evaluated 29 Apr 2009

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6



### The Ste5 scaffold directs mating signaling by catalytically unlocking the Fus3 MAP kinase for activation.

Good M, Tang G, ..., Reményi A, Lim WA

*Cell* 2009 Mar 20 **136**(6):1085-97 [[abstract on PubMed](#)]

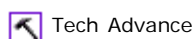
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**Selected by** | Moosa Mohammadi with Andrew  
Beenken / Dominique Bergmann / Jane Endicott  
**NEW**

First evaluation 5 May 2009 | Latest evaluation  
13 May 2009

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### Identification of selective inhibitors of uncharacterized enzymes by high-throughput screening with fluorescent activity-based probes.

Bachovchin DA, Brown SJ, Rosen H, Cravatt BF

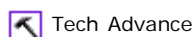
*Nat Biotechnol* 2009 Apr **27**(4):387-94 [[abstract on PubMed](#)]

[[related articles](#)] [[full text](#)] [[order article](#)]

**Selected by** | Michal Lebl with Petr Capek  
Evaluated 27 Apr 2009

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### High-throughput generation of tagged stable cell lines for proteomic analysis.

Torres JZ, Miller JJ, Jackson PK

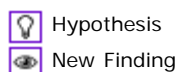
*Proteomics* 2009 Apr 29 [[abstract on PubMed](#)]

[[related articles](#)] [[full text](#)]

**Selected by** | Visith Thongboonkerd  
Evaluated 8 May 2009

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### Methionine in proteins defends against oxidative stress.

Luo S, Levine RL

*FASEB J* 2009 Feb **23**(2):464-72 [[abstract on PubMed](#)]

[[related articles](#)] [[full text](#)] [[order article](#)]

**Selected by** | Tao Pan  
Evaluated 27 Apr 2009

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 New Finding

**Different forms of cell death induced by putative BCL2 inhibitors.**

Vogler M, Weber K, ..., Dyer MJ, Cohen GM


*Cell Death Differ* 2009 Apr 24 [[abstract on PubMed](#)]

[[related articles](#)] [[full text](#)]

**Selected by** | Peter Colman with W Douglas

Fairlie

Evaluated 8 May 2009

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