

From: Faculty of 1000 <[REDACTED]>

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Subject: Optogenetics uncover memory storage, and the best articles of the month.

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JULY 2012

F1000's 10,000 experts recommend the best articles in the life sciences. **1,374 evaluations** were added in the last month, and you can [see them all here](#).



Best of the Best

Some of the articles that caught the attention of our Faculty this month.

How fearful memories are stored

Convincing evidence for the discrete encoding of memories in ensembles of neurons in the hippocampus.



Tumor evolution -- implications for therapy

Sheds much light on tumor heterogeneity and provides tantalizing evidence of convergent evolution in tumors.



Don't just sit there

Prolonged sitting is a risk factor for all-cause mortality, independent of physical activity.



Countering drug side effects

Chemical similarity metrics can help in uncovering adverse drug reactions in the early phases of drug development.



Second-line HIV treatment success in resource-limited countries

Encouraging results for proposed second-line therapy of HIV-infected patients in resource-limited settings.



Gut microbiota: a special relationship

This paper extends our understanding of intestinal microbe-host interactions by

F1000 Reports

Open-access journals publishing reports, written by Faculty Members, on hot topics with reference to the evaluated literature.



Biology Reports

The future of genomics in pathology

Recent technical advances in pathology bring us closer to using whole genomic data to rapidly diagnose diseases like cancer and to effectively tailor treatment programs to the individual.

F1000 Report by Dennis P. Wall and Peter J. Tonellato



Medicine Reports

Crosstalk between metabolic and neuropsychiatric disorders

Converging evidence indicates that insulin receptors in the CNS may underlie the link between diabetes or

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- 72** articles classified as Controversial
- 830** articles classified as New Finding

demonstrating that distinct microbiota species may have co-evolved in symbiosis with the host.



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obesity and neuropsychiatric disorders, and suggests that targeting them may offer new therapies.

F1000 Report by Oksana Kaidanovich-Beilin, Danielle S. Cha and Roger S. McIntyre



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151 articles classified as Technical Advance



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Evaluated Poster of the Month in Anesthesiology & Pain Management



Pain is associated with short leukocyte telomere length in women with fibromyalgia



Evaluated by Roger Fillingim.



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Watch this space: the first articles are on their way in the next few days. In the meantime, here are some updates:

- Built an Editorial Board of >1000 international experts;
- Finalized our novel approach to article citation;
- Agreed an approach to indexing with many of the major indexers;
- Clarified **our policy** on retractions, removals, replacements and withdrawal of articles;
- Finalized our **author guidelines**.

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For full details on our progress, please [read our blog post](#).

All author fees are waived for the rest of 2012 so now is a great time to send in your articles for rapid, hassle-free publication; just e-mail them to [REDACTED].



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