



# Analgesic drug development: time to break the mould

## Citation

Woolf, Clifford. 2013. "Analgesic drug development: time to break the mould." The Journal of Headache and Pain 14 (Suppl 1): I2. doi:10.1186/1129-2377-14-S1-I2. <http://dx.doi.org/10.1186/1129-2377-14-S1-I2>.

## Published Version

doi:10.1186/1129-2377-14-S1-I2

## Permanent link

<http://nrs.harvard.edu/urn-3:HUL.InstRepos:11877041>

## Terms of Use

This article was downloaded from Harvard University's DASH repository, and is made available under the terms and conditions applicable to Other Posted Material, as set forth at <http://nrs.harvard.edu/urn-3:HUL.InstRepos:dash.current.terms-of-use#LAA>

## Share Your Story

The Harvard community has made this article openly available.  
Please share how this access benefits you. [Submit a story](#).

[Accessibility](#)

INVITED SPEAKER PRESENTATION

Open Access

# Analgesic drug development: time to break the mould

Clifford Woolf

From The European Headache and Migraine Trust International Congress  
London, UK. 20-23 September 2012

Success in the introduction of novel, effective and safe analgesics has been notably limited over the past ten years even though existing treatments have low responder rates and a high side effect burden. The pipeline of compounds acting on novel targets is very restricted and there have been many disappointments with drugs that appeared promising in preclinical studies, failing repeatedly in clinical trials. We have to recognize that something is fundamentally wrong with the industry standard approach to the selection of targets, identification of hits, validation of leads and proof of concept clinical studies. A radically alternative strategy is required, one that is driven by the patient and focused on disease phenotype. I will discuss what such an approach may look like and how it may contribute to new therapeutics.

Published: 21 February 2013

doi:10.1186/1129-2377-14-S1-12

Cite this article as: Woolf: Analgesic drug development: time to break the mould. *The Journal of Headache and Pain* 2013 **14**(Suppl 1):12.

## Submit your manuscript to a SpringerOpen<sup>®</sup> journal and benefit from:

- Convenient online submission
- Rigorous peer review
- Immediate publication on acceptance
- Open access: articles freely available online
- High visibility within the field
- Retaining the copyright to your article

Submit your next manuscript at ► [springeropen.com](http://springeropen.com)

F.M. Kirby Neurobiology Center, Boston Children's Hospital and Department of Neurobiology, Harvard Medical School, Boston MA, USA

 SpringerOpen

© 2013 Woolf; licensee Springer. This is an Open Access article distributed under the terms of the Creative Commons Attribution License (<http://creativecommons.org/licenses/by/2.0>), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.