# What if we could explain homeopathy? Moving towards a physical theory of homeopathy

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The research into the physico-chemical processes underpinning homeopathy has attracted little attention compared with the evidence coming from clinical research. However, the major criticism of homeopathy over the years can be summarised briefly as: 'It doesn't work because it cannot work!', due to the implausibility of high dilutions being clinically effective. This state of affairs underlines the need for a solid physical theory explaining the mechanism of action of homeopathy. Indeed, it is likely the debate around homeopathy will continue to rage so long as we do not have a valid theory.

That being said, there are solid theories able to explain much of how homeopathic dilutions work. In this paper I will present the challenge we face in formulating a physical theory of how homeopathy could work. I will then summarise some of the theoretical work of the late Dr G. Preparata (1942-2000) and show how we can formulate a working theory of how homeopathy works based on his ideas of 'Quantum Coherence Domains'. This theory comes out of conventional quantum physics and has found experimental validation. I will present such experiments from conventional research, which tends to confirm the validity of the Quantum Coherence theory beyond the field of homeopathy and its ability to explain phenomena in physico-chemical research.


Support: This study has received funding from the Homeopathy Research Institute
Conflict of interest: authors declare there is no conflict of interest
Received: 16 June 2013; Revised: 22 August 2013; Published: 30 September 2013.
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How to cite this article: Tournier A. What if we could explain homeopathy? Moving towards a physical theory of homeopathy. Int J High Dilution Res [online]. 2013 [cited YYYY Month dd]; 12(44): 84-84. Proceedings of the XXVII GIRI Symposium; 2013 Sep 03-04; Bern (Switzerland). GIRI; 2013; Available from: http://www.feg.unesp.br/~ojs/index.php/ijhdr/article/view/682/641