

**5th HRI International Homeopathy Research Conference – HRI London 2023**  
**Homeopathy Research Institute (HRI), 16-18 June 2023, London**

## **Latest findings from homeopathy research**

Berlin, 12 June 2023. The 5th HRI International Research Conference, organised by the Homeopathy Research Institute (HRI), from 16-18 June 2023 in London, will bring together leading scientists in the field of homeopathy research. 61 researchers will present their latest findings from across the full spectrum of homeopathy research, including clinical, veterinary and basic research.

One of the scientists presenting their research is physicist Prof. Stephan Baumgartner, who works at both Witten/Herdecke University and the University of Bern. In this interview, Stephan Baumgartner discusses significant findings from his 25 years of basic research on homeopathic potencies.

### **Is it scientifically plausible for potentised (diluted and vigorously shaken) substances to have specific biological effects?**

**Prof. Baumgartner:** Science feeds on two sources: Observations and theories. On the observational side, from my perspective, there are many very interesting experimental phenomena that clearly indicate that potentised substances produce effects that are specific, i.e. different from placebo. On the theoretical side, there are also some interesting approaches to understanding such effects, but science is much less advanced. From my point of view, however, the empirical observations now call for a deeper examination of possible explanatory approaches.

### **Why do the results of your research not support the claim that homeopathic preparations are simply placebos?**

**Prof. Baumgartner:** We have observed effects of homeopathic preparations that are different from a corresponding placebo in many different experiments. These experiments were all repeated several times and conducted in a blinded manner, i.e. the experimenters did not know whether they were examining a homeopathic preparation or a placebo in the experiment. In total, we observed effects beyond placebo in about 15 different experimental models. In addition, there is initial evidence that the effects are specific to the physiological state of the laboratory organisms. For example, undamaged duckweed responds to potentised gibberellin, a growth hormone, while duckweed pre-damaged with arsenic responds to potentised arsenic but not to potentised gibberellin.

### **In an extensive series of blind, randomised studies, you have demonstrated clear, empirical evidence for specific effects of even highly diluted homeopathic potencies. How has this been achieved?**

**Prof. Baumgartner:** Here we have repeated and replicated a particular type of experiment to investigate reproducibility. For example, the effects of potentised tin in a D30 on the metabolism of cress were studied in a total of 35 independent experiments at three laboratory sites by two

scientists in two countries. In the meantime, 8 more experiments have been added in another laboratory by two more scientists. Such studies are done to find out how reproducible these effects are. In this way, one also finds influencing factors that are essential for the occurrence of an effect of homeopathic preparations.

**The question of the mechanism of action of homeopathy remains open. What can you do scientifically to answer this question?**

**Prof. Baumgartner:** Here we are essentially pursuing two approaches. We will increasingly carry out physical measurements on homeopathic preparations in order to characterise and clarify their molecular structure even more precisely. Another approach is to deliberately expose potentised preparations to various influences, such as microwave radiation, heat, etc., in order to then determine in experiments with living organisms which external influences cancel out the effect of these preparations and which do not. From this, one can then draw conclusions about the underlying active principle.

- **Full details on HRI London 2023:** <https://www.hrilon2023.org/>

**About the HRI**

The HRI was founded in London in 2007 by physicist and cancer researcher Dr Alexander Tournier. The Institute promotes new, high-quality scientific research on homeopathy and organises international research conferences and expert meetings.

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