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**A**FTER CAREFULLY STUDYING THE STRUCTURE OF homeopathic medicines, a team of researchers from Pennsylvania State University and the University of Arizona recently reported some fascinating and groundbreaking results. In fact, their soon-to-be-published research should turn the whole field of health research upside down and open doors for homeopathy like never before.

## Groundbreaking New Research Shows: There IS something in that medicine after all!

Using spectroscopy, these researchers were able to see distinct structural differences between a homeopathic remedy and plain water, between one remedy and another remedy, and between different potencies of the same remedy. Equally important, they replicated the results many times over. What does this prove? That homeopathically prepared remedies are capable of retaining information, in a stable form, from the original source material. And that structure matters. And that water may prove to be the most important vehicle for intracellular transportation. But I am getting a bit ahead of the story.

### Chemistry not the end-all

Homeopaths have long believed that someday it would happen: that the high school chemistry lesson about Avogadro's Number (which asserts that the properties of a solution are solely tied to its molecular content, so that materials diluted beyond  $6 \times 10^{23}$  retain nothing of the original substance) would be proven incorrect.

The team of Rustum Roy, PhD, Professor of Solid State Materials Science at Pennsylvania State University, Iris R. Bell, MD, PhD, Director of Research for the Integrative Medicine Program at University of Arizona College of Medicine, and Manju Lata Rao, PhD, and Richard Hoover, PhD, from the Materials Research Institute, Pennsylvania State University, conducted the study over two years. Dr Roy *et al.* have long known that the properties of a substance are a function of its chemistry *and* its structure. While water will always be two parts hydrogen and one part oxygen ( $H_2O$ ), it can have many three-dimensional structures in its liquid or "condensed" phase.

The research team focused on interactive phenomena such as epitaxy (the transmission of structural information from the surface of one material to another without the transfer of any matter) and temperature-pressure processes created during succussion (the shaking with impact that occurs in preparation of a remedy) in explaining how the unique structure of a homeopathic remedy is formed. (Did you know that a 30c remedy is typically

succussed 600 times?) The team found that succussion plays a critical role in creating the key structural changes in water that occur during homeopathic remedy preparation—something Samuel Hahnemann knew long before spectroscopy was able to demonstrate it.

The researchers examined the homeopathic medicines *Nuxvomica* and *Natrum muriaticum* in various potencies as supplied by Hahnemann Laboratories, Inc. The study was funded in part by grants from The Council for Homeopathic Research and Education, Inc., the Friends of Health Foundation, and the National Institutes of Health.

### Check it out!

Of real significance to the homeopathic community, the National Center for Homeopathy provided the resources and the technology to host a nationwide webcast for the Penn State/University of Arizona team—allowing them to present their data to more than 60 members of the Consortium of Academic Health Centers for Integrative Medicine (including Yale, Stanford, and Duke universities) as well as other influential members of the scientific community. Thanks in large part to homeopath and NCH media consultant, Peter Gold, you can hear and see the presentation and Q&A session at the NCH web site [www.nationalcenterforhomeopathy.org](http://www.nationalcenterforhomeopathy.org). Look under the "New" heading on the left side of the home page and spend a fascinating hour with these high-level researchers as they give you a guided tour "under the hood" of homeopathic remedies.

### So what does it all mean?

It means there is proof that ultra-dilute homeopathic remedies are not plain distilled water, as detractors have long claimed. It proves instead that homeopathic remedies are substances with unique informational content and that their biological "action" is, in fact, plausible. This opens the door for many other research projects, and it also provides a vehicle for quality assurance for homeopathic pharmacies and manufacturers who will be able to demonstrate content within their remedies.

A big moment for homeopathy made possible in part by your 21st century NCH!

### CORRECTION

In the May/June 2007 issue's "The End of Homeopathy?" article by Carol Boyce, the Pharma/Biotech patent application reference (footnote 9) was in fact submitted by a nutritionist and not a pharmaceutical company as might have been inferred. We regret this error.