Editorial

Proceedings of the XXXVI GIRI meeting

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The XXXVI GIRI Meeting happened for the first time in the United States of America at the School of Medicine from UConn Health, Farmington, CT, in 2023. This conference was organized as an academic-scientific partnership among the GIRI society - Groupe International de Recherche sur l’Infintésimal [https://giri-society.org], the American Institute of Homeopathy – AIH [https://homeopathyusa.org], and the Faculty of Homeopathy, London, UK [https://www.facultyofhomeopathy.org].

The 36th Edition of GIRI was carried out under the theme: “GROUNDBREAKING SCIENCE: HOMEOPATHY AND THE FUTURE OF GLOBAL HEALTH” and provided a single opportunity for the participants to exchange scientific experiences, discuss new and standard research protocols, make new friendships, and gather the most important researchers involved with basic and/or clinical homeopathic research worldwide. The multidisciplinary feature of the GIRI meetings fits the concept of global health, since homeopathy favors the interconnection among people, animals, plants, and their environment, promoting its sustainable use in agriculture. The meeting aimed to examine the growing body of evidence around homeopathy and consider its role in addressing many urgent concerns, such as infectious diseases and antimicrobial resistance, aging populations, multimorbidity, polypharmacy, sustainability, and environmental factors, with special focus on the emerging evidence that homeopathic products may help mitigate the impact of climate change on agriculture – making plants and animals more bio-resilient – while also reducing the need for agricultural chemicals known to cause environmental harm.

This annual event was held as a hybrid conference from October 20th to 22nd. The use of a virtual platform brought the highest visibility ever registered in the GIRI annals. There were around 500 inscriptions, a record, considering the 36 years of the GIRI society. Participants were from 25 different countries and from six of the seven continents. Besides eight individual conferences about contemporary themes presented by the most active researchers in the field and four round tables about groundbreaking subjects on homeopathy research and practice, the number and the scientific quality of submitted individual abstracts were very expressive, with 31 contributions presented as oral video records organized in 4 sessions: Basic Research, Physicochemical Research, One Health - Homeopathy and the environment and its importance to zoonosis control and biome preservation, and Clinical Research. All abstracts were submitted to a rigorous peer-review process before being accepted and published herein.
In the Basic Research section, Dr. Francisco Eizayaga discussed the importance of research in homeopathy after organizing a comprehensive survey. Different physical and biochemical aspects involving ultra-dilutions and the effects of *Viscum album* homeopathic preparations in murine models and tumor cells *in vitro* were also shown. Isotherapy models were also integrated into this section, using research models, such as zebrafish, *Sporothix* spp fungal culture, and melatonin’s circadian rhythm stimulating action. The iconic nanoparticle round table was the harbinger of high-quality abstracts regarding the physicochemical aspects of ultra-diluted solutions. The session was opened with an updated approach to the solvatochromic dyes method by Dr. Steven Cartwright, followed by new developments in spectroscopy, nanoparticle identification, and physical transfer of high dilution signaling by mechanical activation of liquids.

In the One Health section, isotherapeutic solutions and homeopathic complexes were addressed in issues regarding environmental preservation and its connection with animal health. The latter was one of the main themes presented by Dr. Monica Souza, the head of this section. Last but not least, Dr. Ubiratan Adler presented a didactic explanation of the N-of-one clinical trial for studying depressive disorder. Findings from the HOHM foundation in educational issues and clinical results on sleep bruxism and temporomandibular disorders were also presented. The veterinary content was represented by clinical studies on cows’ welfare, telemedicine, giardiasis in monkeys, and case reports about dogs in different circumstances, including the healing of a snake bite.

We are convinced that the content of this special issue of the *International Journal High Dilution Research* – IJHDR – dedicated to the memories of the 36th GIRI meeting will bring new insights to the homeopathic scientific community. It was carefully prepared by the organization and scientific committee, composed of Prof. Carla Holandino, UFRJ, President of the GIRI; Prof. Gary Smyth, President of the Faculty of Homeopathy; Dr. Alex Bekker, President of AIH; Dr. Peter Gold – AIH; Dr. Amalia Punzo – AIH; Dr. Ronald Whitmont – AIH; Lisa Amerine – AIH; Mary Lou Sullivan – UCONN; Prof. Adalberto C Von Ancken – UNICSUL, Secretary of the GIRI and Guest Editor of this Special Issue; Prof. Dr. Leoni V Bonamin – UNIP, GIRI Editor and Editor-in-Chief of the IJHDR.

Below, a small description of each main discussed theme is presented, following a chronological order.

The next articles composing this issue are dedicated to the 29 individual abstracts, each being coded as a single doi.

Enjoy your reading!

Carla Holandino
Peter Gold
Adalberto von Ancken
Leoni V Bonamin
October 20th, 2023

Dr. Gary Smyth, MB ChB DGM DMH DRCOG DFSRH MRCGP FFHom
President of the Faculty of Homeopathy, UK - ORCID: 0009-0008-6350-1861

Introduction to Homeopathy and Global Health

This is an introductory, high-level overview of the scope and role of Homeopathy within the context of Global Health. Used by an estimated 600 million people across 80 countries, the Homeopathic approach transcends national and international boundaries and is one of the most popular systems of medicine in the world. Healthcare systems globally are facing many similar challenges, including antimicrobial resistance, polypharmacy, polymorbidity, aging populations, and rising healthcare costs. Findings from a range of key studies will be briefly highlighted, showing the benefits of integrating Homeopathy within healthcare.

In addition, Homeopathy has a role to play across different species, whether humans, animals, or plants, and various studies will be briefly highlighted as examples. Furthermore, at the level of planetary health, Homeopathy represents one of the most sustainable, environmentally friendly, and low-carbon approaches to healthcare.

The scientific evidence base for Homeopathy is growing and cannot be ignored, whether in terms of laboratory, pre-clinical, or clinical research. Such is the weight of evidence, a leading Swedish researcher has remarked: 'To conclude that Homeopathy lacks clinical effect, more than 90% of the available clinical trials had to be disregarded. Alternatively, flawed statistical methods had to be applied [1]. Homeopathy has a key role to play in the future of global health and this session will set the scene for the further development and discussion of this subject in subsequent sessions.

Keywords: Homeopathy; global health; integrative medicine; research.


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The art and the science of research in homeopathy: a critical and historical perspective

Homeopathy, like any other medical system, could be considered a science of uncertainty and an art of probability, following the concise definition of medicine by Prof. William Osler (1849-1919). The careful observation of individual patients' reactions after medical interventions is the cornerstone of medical research for restoring health and preventing diseases. Every Human Being is, at the same time, similar to others, although distinct from all others. This central assertion rests on the need to consider, in medical research, both the individual and the collective aspects of data acquisition and interpretation.

Since 1990, a new discipline called Homeopathic Clinical Logic has critically addressed the questions related to the diagnosis, prognosis, epidemiology, prevention, and treatment in homeopathy. Since medical knowledge uncertainty cannot be eradicated, its reduction is possible by using adequate techniques and experimental methods to get valid and reliable knowledge. Issues such as the validity...
of the findings in homeopathic pathogenetic trials or the effectiveness, efficacy, and safety of homeopathic treatment have been explored in systematic reviews and meta-analyses, besides the advances in scientific methods.

Research in homeopathy is in permanent evolution, from Hahnemann to the present day, guided by ethical standards. Medical research without personalized care is unethical. Homeopathic researchers must soon face several challenges – considering the lessons learned in the past – to understand how homeopathic medicines can cause changes in living organisms and then prove their therapeutic efficacy. There is an urgent need to go beyond the requirements of large sample sizes to clinically prove the restorative power of homeopathy. Homeopathic clinical logic and evidence-based medicine should direct their efforts in investigating precise and relevant clinical outcomes in each patient after medical treatment – respecting his values, preferences, and unique health situation – using the recommended therapy under controlled conditions to prove its efficacy and safety.

**Keywords:** Homeopathy. Biomedical research. Therapeutic human experimentation. Ethics, research

Dr. Alexander L Tournier, BSc DIC M.A.St Cantab Ph.D. LCHE FSHom
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Research Associate, Institute for Research into Complementary Medicines (IKIM), Bern University, Switzerland – ORCID: 0000-0003-1938-1352

**Fundamental Research in Homeopathy: Considerations and Recommendations**

Potentized pharmaceutical preparations are medical products regulated under international medical Pharmacopeias. However, no guidelines for basic research in this area currently exist. We collected considerations and recommendations from experts in the field following a DELPHI process and compiled these into research guidelines. These basic research guidelines, the first of their kind in the field, establish some useful common ground, promoting constructive discussions regarding basic research methodologies, and promoting rigorous research protocols.

**Keywords:** Research guidelines, Fundamental research, Basic research, Complementary and Integrative Medicine, Potentization, Potentized preparations

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**Strategies for Homeopathic Research: Significance of Basic Research Experiments**

Dr. Samuel Hahnemann was a great scholar, linguist, acclaimed chemical scientist, and a reputed German Physician. He was dissatisfied with the medical practices of the 18th century, including the usage of crude dosages of toxic substances without human experimentation. He discovered homeopathy after heroic experimentation on himself, friends, and family members and laid the
foundation of safe and rational medicine. In the 21st century, while homeopathy is practiced in about 100 countries, is criticized for not pursuing current scientific knowledge of natural sciences.

There is a perceptible gap between the published studies showing little to no efficacy and experiences of substantial clinical benefits from patients and practitioners using Homoeopathy. This is primarily due to blindly following the research strategies used in biomedical sciences such as randomized controlled trials (RCTs) and basic experimental designs in undertaking research in Homoeopathy. There is a need to understand the strengths and weaknesses of biomedical research strategies and their applicability to Homeopathic research.

A five-phase strategic research framework based on relevant research questions has been proposed. These are a) What is going on in clinical practice? b) Is the method and products are safe? c) What is the effectiveness of the current system? d) What is the efficacy of each product or strategy? e) How can treatment outcomes be explained biologically? The last point is often ignored and is difficult to explain, especially while dealing with high potencies. This is one of the main reasons for frequent criticism of homeopathy.

We have conducted and published several research studies on basic sciences showing biological effects and plausible pathways of homeopathy. This paper intends to present these initiatives with their outcomes. We need a different and more complex research strategy for Homeopathic research.

**Keywords:** Basic research, Drug standardization, Nano domain, safety profile, Research strategies, Homeopathic medicines.

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**Prof. Leoni Villano Bonamin, DVM, MSc, PhD**

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**Homeopathy and the environment**

Environmental issues and the needs for mitigating anthropic actions are urgent. In homeopathy, isotherapeutics is a common practice in treating intoxications to minimize symptoms and facilitate the clearance of the toxic substance from the body. It is known that *Artemia* spp. is an aquatic experimental model for eco-toxicological trials; their embryo skills to enter diapause when in a harmful environment is a promising model for understanding bio-resilience processes. Thus, our group organized a series of experimental studies using *Artemia* spp. to evaluate the plausibility of using isotherapeutic products to mitigate the biological impact of toxic agents in water. Glyphosate, mercury chloride, and saxitoxin from cyanobacteria were the studied intoxicants. The results point toward a facilitation effect of isotherapics and other homeopathic preparations in inducing diapause, delaying hatching, and expressing HSPs (heat shock proteins) genes. Moreover, solvatochromic dyes can be used as probes to track homeopathic signals in water, laboratory, or field conditions. The potential usefulness of these preparations in reducing the environmental impact in states of water contamination is discussed.

**Keywords:** Environmental homeopathy, *Artemia* spp, isotherapeutics, bio-resilience, solvatochromic dyes.
Dr. Ronald D. Whitmont, MD

National Homeopathic Product Certification Board President; Clinical Assistant Professor of Family and Community Medicine at New York Medical College; Former President of the American Institute of Homeopathy – AIH and the Homeopathic Medical Society of the State of New York.

The Human Microbiome and Homeopathy

The Human Microbiome is one of the most recent and important discoveries in the field of medicine. The microbiome links animal and environmental health since it permeates every tissue and organ in the body. The microbiome is intimately connected with all aspects of human health and directly influences such diverse events as evolution, conception, development, immunity, and the tendency to develop chronic inflammatory, allergic, and autoimmune diseases, as well as the propensity to heal from them. In short, the microbiome mirrors Samuel Hahnemann’s precise conception and description of an intelligent “vital force” capable of governing and animating the human body, mind, and sensorium. The Human Microbiome is reviewed and discussed in relation to its makeup, distribution, and diversity. The impact of conventional medications on the human microbiome and the development of chronic illness are reviewed. References and citations are provided linking the microbiome to environmental damage, the reckless overuse of modern allopathic medicines, and the emerging epidemic of chronic inflammatory disease.

**Keywords:** Homeopathy, microbiome, chronic inflammatory disease
October 21st, 2023

ROUND TABLE
HOMEOPATHY AND GENE EXPRESSION

Prof. Antonio López-Carvallo, PhD

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Understanding the interaction between high-diluted bioactive compounds and aquatic organisms through functional genomics

The potential use of high-diluted bioactive compounds (HDBC) to enhance sustainable aquaculture practices has recently gained attention. These compounds, derived from diverse natural origins, possess distinctive properties that positively influence cultured marine organisms' growth, survival, health, and overall performance. Nevertheless, a comprehensive understanding of their mode of action remains elusive. Gene expression analysis is a powerful tool to unravel how bioactive compounds and medicines interact with biological systems at the molecular level. Consequently, recent investigations have focused on the impact of HDBC on gene expression in marine organisms.

To decipher the underlying mechanisms responsible for the observed effects of HDBC treatments on aquaculture species, a comparative transcriptomic analysis using RNAseq technology was performed with Argopecten ventricosus juveniles prophylactically treated by HDBC. Results suggest that HDBC – particularly those formulated from Vibrio lysates and silica/phosphoric acid – have the capability to stimulate non-self-recognition mechanisms, without activating the main effectors of the immune response, thereby allowing the organisms to remain alert to antigens, such as pathogen-associated molecular patterns. These findings imply that the activation of non-self-recognition mechanisms may be responsible for improving the immune response and, consequently, the survival of HDBC-treated organisms when challenged against a pathogen. Understanding how HDBC works will aid in making better decisions about their use. The application of HDBC holds great promise for the continued advancement of sustainable aquaculture practices, as these treatments do not promote pathogen resistance to the organisms. Their action is focused on modulating the host’s self-defense system, and they do not accumulate in the organism tissues or culture water due to their high dilution.

Keywords: Aquaculture, homeopathy

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https://doi.org/10.51910/ijhdr.v22i2.1419
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Homeogenomics: Homeopathy and Gene Expression: Experiences with Gelsemium, Arnica and Drosera

Homeopathic medicine aims to regulate the “vital force”. Many interpretations of this fundamental concept have been given, which have evolved together with homeopathy, in its various branches. In modern terms, the vital force is better defined as hemodynamics, of which illness is a quantitative (defect or excess) or a qualitative (dis-order) deviation. Modern scientific medicine starts from the knowledge of biological information and sees the disease as a genetic or epigenetic alteration of DNA. However, even if the DNA is genetically normal, any disease, endogenous or exogenous, has effects on the modifications of gene expression, i.e. can be detected at the level of the transcriptome. These are such subtle changes that they even appear as a consequence of physiological alterations in hemodynamics. For this reason, it is entirely plausible that homeopathic medicines, by regulating the vital force, can cause changes in gene expression. The rapid development of new high-throughput technology platforms provides a methodological basis for a deep understanding of the action mechanisms and targets of homeopathic remedies. The first pioneering studies date back to the beginning of the twentieth century and then developed steadily in the last two decades. This report will review the evidence of this phenomenon, obtained above all with experiments of highly diluted drugs on in vitro cells, and critically evaluate its possible consequences in homeopathic medicine.

Keywords: Homeopathic drugs, High dilutions, Gene expression, Similia principle, Homeogenomics

ROUND TABLE
AGRO-HOMEOPATHY
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Prof. Sydney Everhart, PhD
Associate Professor and Head of the Department of Plant Science and Landscape Architecture at the University of Connecticut, UCONN, USA.
Combined Agro-homeopathy Abstract
This round table aimed to discuss how agro-homeopathy could help mitigate food production and sustainability troubles. The themes were organized in three parts: 1) the trouble of antimicrobial resistance in plants and the need for new technologies. This point will be presented by Dr. Sydney Everhart (USA); 2) improvement of organic crops using homeopathy and how it can open workers’ consciousness about sustainable production. Dr. Leonardo Faedo will show this theme (Brazil/UK); 3) The potential of homeopathy on plant bio-resilience face to climate change. Dr. Fateme Mirzajani (Iran) will discuss this part. The rationale followed the evolution from the problem exposition to good experiences and worldwide possibilities to solve contemporary environmental troubles.

Below, a short explanation from each presenter is exposed:

**Professor Sydney Everhart:** Fungicide resistance is an economically important phenotype that, when present in pathogen populations, can be an underlying driver of disease outbreaks when fungicides applied are no longer effective. There are already 203 species of fungal plant pathogens reported to have fungicide resistance, which is an increasing concern. Nationally, fungicides account for a 50% yield increase for 22 major crops in the U.S., which accounts for 97 billion pounds of food and fiber, valued at $12.8B [1]. Among the 45 active ingredients on the market, there exist only 10 modes of action [1, 2], which is the fundamental unit to which resistance develops. New modes of action are sought and rarely discovered, so relying on this option to replace modes of action that are no longer effective is not realistic. Moreover, developing a new product is estimated to take about 10 years and cost $200M. Fungicide resistance is costly for manufacturers, growers, and the environment; nevertheless, mechanisms driving the emergence of resistance remain unknown. Interestingly, antibiotic-mediated stress has been shown to increase mutation rates in bacteria, leading to the emergence of antibiotic resistance. Although this is a recognized risk for fungicides, far less is known about fungal evolution in the context of fungicide-induced stress, and while studies on fungicide-induced mutagenesis in the scientific literature, the results remain complex and continue to fuel the dose-rate debate.


**Dr. Leonardo Faedo:** Agriculture needs sustainable farming methods. In particular, the strawberry crop (*Fragaria ananassa*), one of the world’s most important berries, has faced serious problems related to the application of high volumes of pesticides, compromising food and environmental security. The use of dynamized high dilutions (DHD) has shown promising results in agricultural research, particularly regarding its bio-stimulation effect on cropping systems. Therefore, this study aimed to explore the bio-stimulation effect of DHDs in strawberry cropping systems. The experiment was carried out at the University of Santa Catarina State (UDESC) in Lages – Brazil, in 2019 and 2021, in a controlled environment using a randomized block design (RBD) and following a double-blind treatment application. The experiment tested mineral-based DHDs: Sulphur 12CH, Phosphorus12CH, Kali 12CH, Calcarea 12CH, Silicea 12CH, Natrum 12CH, Mercurius 12CH, having deionized water 12CH and deionized water as controls. The treatments were applied fortnightly. The agronomical attributes assessing plant vitality considered crop production, fruit quality, plant disease, plant growth and architecture, leaf chlorophyll content, and root system development. Data were analyzed...
by ANOVA and when significant (≤ 0.05) by Dunnett's test. The results show that the DHDs of Calcarea and Sulphur increased root system development. Plants treated with DHDs of Sulphur and Silicea were less affected by Mycosphaerella. The DHDs of Sulphur, Phosphorus, and Kali increased plant growth and crop yield. The DHDs of Natrum and Mercurius were not effective as plant biostimulators in strawberry plants. The results of this study evidence the potential of dynamized high dilutions (DHDs) as plant biostimulators and their contribution for sustainable farming systems.

**Professor Fateme Mirzajani:** Healthy cultivation and production of agricultural products with the least amount of toxins and the highest possible efficiency is the demand of farmers and consumers. The agricultural products market is interested in protecting their health, the environment, plants, animals, and humans, and reducing prices. The most important challenge for farmers, researchers, and managers in the field of agriculture is to find a way to create the least amount of pollution and side effects, the ability to reduce, control, and treat problems and diseases of soil, water, and plants, and finally increase the quality, health, and cost of the products. Today, the use of Ultra High Diluted compounds (UHDs) to produce a product without the use of biocides has been developed along with maintaining the quality and health of the soil and the environment [1, 2]. Due to the personal interest and needs of the scientific and agricultural community and for research and practical investigation of ultra-diluted compounds, we have been investigating UHDs. Studies include three main parts:

1. Chemical and phytochemical investigation of plants (ornamental plant as a model) treated with UHDs under physical stress (temperature variation) in the stage of seed germination and seedling growth [3];

2. Biochemical and physiological investigation of plants (*Oryza sativa* L. as a model) with UHDs under physical stress (light and temperature variation) and pathogens (bacterial infection) in the stage of seed germination and seedling growth [4];

Studying the characteristics of crops and harvested crops (*Oryza sativa* L. as a model) with UHDs treatment for two agricultural years. Accordingly, during the first year, we studied the physicochemical and biological properties of the soil, and in the second year, we studied the quality of cultivation and some chemical characteristics and health of the final product. In all cases, the results showed that the use of ultra-high diluted compounds compared to the negative control (placebo), positive control (toxins in cultivation cases), and control (no treatment) with healthier growth, proportional crop production, and less pollution, improved root quality and Soil is included.

**Keywords:** Fungicide resistance, Agroecology, High dilutions, Plant Vitality, Crop Development, Plant stress, Soil quality.


ROUND TABLE

THE ROLE OF NANOPARTICLES / NANOSTRUCTURES IN HOMEOPATHIC MEDICINES

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Lead researcher at the Cherwell Laboratory for Fundamental Research in Homeopathy in Oxford; Former researcher at the University of California, Santa Cruz, USA, and at Oxford University, UK – ORCID: 0000-0001-7798-9070

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Nanoparticles and Nanostructures

The presence of persistent nanostructures in homeopathic preparations has been confirmed by dozens of laboratories from around the world. Their potential role as active biochemical agents is also well-established. The question remains: What role might these nanostructures play in structuring the final medicinal products? What role might they play in the mode of action of homeopathic medicines in biological systems? If they play a role, in what fashion? This roundtable discussion will review the latest findings on nanostructures as a byproduct of the manufacturing process, changes in solvent structure during the manufacturing process, and the role nanostructures have been shown to play in complex biological systems.

Keywords: nanostructures, nanoparticles, coherent domains, solvent polarity, solvatochromic dyes

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October 22nd, 2023

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Overview of Clinical Research in Homeopathy

Individuals within the homeopathy sector frequently state that there are loads’ of evidence homeopathy works, whilst detractors say there is no evidence at all that homeopathy is anything more than a placebo effect. As is often the way, the reality is somewhere between these two extremes. Given the polarized opinions around the topic of homeopathy, it is important to take an objective look at the actual status of the clinical evidence base for homeopathy, including both the strengths and weaknesses of the existing data in this field.

Looking at the findings from a range of key studies, we can see how this topic has been investigated from different perspectives using a variety of study designs, from large-scale observational studies assessing homeopathic treatment in real-world settings to highly influential systematic reviews and meta-analyses of randomized controlled trials (RCTs). Through consideration of individual RCTs, we can also examine how clinical research in homeopathy has progressed over the years, enabling researchers to address the specific challenges faced when attempting to investigate a complex intervention such as individualized homeopathy: trial designs are now available which are sufficiently rigorous to be widely accepted by the scientific community, without compromising the quality of the homeopathic treatment delivered during the trial.

Through this overview of clinical research on homeopathy, the point will be clarified that there is robust clinical evidence demonstrating the clinical benefits of homeopathic treatment, including placebo-controlled studies, but as with many other fields of scientific inquiry, more research is needed to fully explore the potential of homeopathy as part of an integrated approach to healthcare.

**Keywords:** Homeopathy; clinical research; trial design; methodology

Dr. Jennifer Jacobs, MD
Family Practice physician specializing in homeopathic medicine; Clinical Assistant Professor in Epidemiology at the University of Washington, School of Public Health and Community Medicine; Former President of the American Institute of Homeopathy; Member of the Advisory Board of the NIH Office of Alternative Medicine, USA.

Homeopathy’s Role in Reducing Antibiotic Overuse

Overuse of antibiotics is a major public health problem that leads to antimicrobial resistance as well as deleterious effects on the body's microbiome. Homeopathy has been found to be an effective alternative to the use of antibiotics in many common human infections as well as in animal husbandry. Research on the use of homeopathy for childhood infections, such as otitis media and acute diarrhea will be presented. In one study, we found that using homeopathic ear drops in the early stages of an ear infection could lead to 400,000 fewer courses of antibiotics in the US each year.
The potential of homeopathy to reduce antibiotic overuse in veterinary medicine and other fields, such as agriculture, will also be discussed.

**Keywords:** Homeopathy, antibiotic resistance, clinical research

**ROUND TABLE**

**TRANSLATIONAL HOMEOPATHY AND GLOBAL IMPLICATIONS**

Dr. Lisa Amerine, ND, DHANP  
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Prof. Leoni Villano Bonamin, DVM, MSc, PhD  
Full Professor at University Paulista – UNIP, São Paulo, Brazil; Deputy Editor of Homeopathy – The Journal of the Faculty of Homeopathy; Editor-in-Chief of the IJHDR; Former President (2002-2008) and Vice-President (2008-2014) of the GIRI – ORCID: 0000-0002-4716-8690

Dr. Alexander L Tournier, BSc DIC M.A.St Cantab Ph.D. LCHE FSHom  
Founding director of the Homeopathy Research Institute – HRI, London, UK  
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Dr. Ronald D. Whitmont, MD  
National Homeopathic Product Certification Board President; Clinical Assistant Professor of Family and Community Medicine at New York Medical College; Former President of the American Institute of Homeopathy – AIH and the Homeopathic Medical Society of the State of New York.

No abstract is available.
Conference Agenda

20th October, Friday

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(S)</th>
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</thead>
<tbody>
<tr>
<td>1:00pm EDT</td>
<td>Welcome</td>
<td>Carla Holandino, Gary Smyth, Alex Bekker</td>
</tr>
<tr>
<td>1:30pm-2:00pm EDT</td>
<td>Introduction to Homeopathy and Global Health</td>
<td>Gary Smyth</td>
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<tr>
<td>2:00pm-2:45pm EDT</td>
<td>The Art and the Science of Research in Homeopathy: a critical and historical perspective</td>
<td>Flavio Dantas</td>
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<tr>
<td>2:45pm-3:30pm EDT</td>
<td>Fundamental Research in Homeopathy: Considerations and Recommendations</td>
<td>Alexander Tournier</td>
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<tr>
<td>3:30pm-3:45pm EDT</td>
<td>Coffee break</td>
<td></td>
</tr>
<tr>
<td>3:45pm-4:30pm EDT</td>
<td>Strategies for Homeopathic Research: Significance of Basic Research Experiments</td>
<td>Raj K. Manchanda</td>
</tr>
<tr>
<td>4:30pm-5:15pm EDT</td>
<td>Homeopathy and the Environment</td>
<td>Leoni Bonamin</td>
</tr>
<tr>
<td>5:15pm-6:00pm EDT</td>
<td>Homeopathy and the Human Biome</td>
<td>Ronald Whitmont</td>
</tr>
<tr>
<td>6:00pm-6:30pm EDT</td>
<td>Discussion</td>
<td></td>
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</tbody>
</table>

21st October, Saturday

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(S)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00am-10:00am EDT</td>
<td>Homeopathy and gene expression</td>
<td>Lopez-Carvallo, Paolo Bellavite</td>
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<tr>
<td>Time</td>
<td>Activity</td>
<td>Moderators/Speakers</td>
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<tr>
<td>10:00am-11:00am</td>
<td>Round table: Agrohomeopathy</td>
<td>Alex Tournier to moderate. Sydney Everhart Ph.D. (UConn Agriculture Dept), Leonardo Faedo, Fateme Mirzajani</td>
</tr>
<tr>
<td>11:00am-11:15am</td>
<td>Coffee break</td>
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</tr>
<tr>
<td>11:15am-1:15pm</td>
<td>The Role of Nanoparticle/Nanostructure in Homeopathic Medicines – Roundtable Discussion</td>
<td>Gary Smyth to moderate. Jayesh Bellare, Iris Bell, Alex Tournier, Steven Cartwright, Igor Jerman, Michel Van Wassenhoven</td>
</tr>
<tr>
<td>1:15pm-2:00pm</td>
<td>Lunch</td>
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</tr>
<tr>
<td>2:00pm-3:20pm</td>
<td>Individual Presentations: Basic Science Research</td>
<td>See abstracts in the next section</td>
</tr>
<tr>
<td>3:20pm-4:20pm</td>
<td>Individual Presentations: Physicochemical Research</td>
<td>See abstracts in the next sections</td>
</tr>
<tr>
<td>4:40pm-5:30pm</td>
<td>Individual Presentations: One Health Homeopathy and the environment and its importance to zoonosis control and biome preservation.</td>
<td>See abstracts in the next sections</td>
</tr>
<tr>
<td>5:30pm-7:15pm</td>
<td>Individual Presentations: Clinical Research</td>
<td>See abstracts in the next sections</td>
</tr>
<tr>
<td>7:15pm-7:45pm</td>
<td>General Discussion</td>
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<tr>
<td><strong>22nd October, Sunday</strong></td>
<td></td>
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</tr>
<tr>
<td>9:30am-10:45am</td>
<td>Overview of Clinical Research in Homeopathy</td>
<td>Rachel Roberts</td>
</tr>
</tbody>
</table>

Cite as: *Int J High Dilution Res.* 2023; 22(2):01-20.
https://doi.org/10.51910/ijhdr.v22i2.1419
### Individual presentations
(see abstracts in the next section)

**LIST OF PRESENTATIONS – GIRI MEETING 2023**  
**SESSION: BASIC RESEARCH**  
**Saturday, October 21st, 2023  
2:00pm – 3:05pm EDT**

<table>
<thead>
<tr>
<th>Order</th>
<th>Presenting author</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>Francisco Eizayaga</td>
<td>The usefulness of scientific research in Homeopathy</td>
</tr>
<tr>
<td>Posters</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Elizabeth Perez</td>
<td>Homeopathic dilutions of <em>Phytolacca decandra</em></td>
</tr>
<tr>
<td>2</td>
<td>Priscila Bautuille</td>
<td>Treatment with <em>Viscum album</em> potencies induces reduction of MCP-1 and ROS levels in murine melanoma cells</td>
</tr>
</tbody>
</table>
3 Thais Silva Effects of homeopathic preparations of Viscum album on in vivo murine melanoma model

4 Rodrigo Duarte Biological effects of Viscum album mother tinctures and dynamizations in kidney proximal tubule cells: an in vitro study

5 Akshaya Tharankini Immunomodulatory Effect of Arsenicum album on Zebrafish Embryos

6 Gleyce Moreno Barbosa In vitro evaluation of Sporothrix brasiliensis biotherapeutic: complete results.

7 Olga B. Zhdanova Comparative study of the action of dynamized forms of melatonin and lissotriton

LIST OF PRESENTATIONS – GIRI MEETING 2023
SESSION: PHYSICOCHEMICAL RESEARCH
Saturday, October 21st, 2023
3:10pm – 4:10pm EDT

Oral
Steven Cartwright Evidence from the use of a solvatochromic detection system indicates that water is an inert carrier of the homeopathic signal

Posters
1 Nirmal Sukul A Cantharis potency acts on heat-exposed bovine serum albumin as revealed by FT-IR spectroscopy

Cite as: Int J High Dilution Res. 2023; 22(2):01-20. https://doi.org/10.51910/ijhdr.v22i2.1419
<table>
<thead>
<tr>
<th>Order</th>
<th>Presenting author</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Igor Jerman</td>
<td>Physical transfer of the UHD signal resulting from potentized dilution of interferon-gamma antibodies</td>
</tr>
<tr>
<td>3</td>
<td>Kurian Poruthukaren</td>
<td>An attempt to estimate the noises in Homeopathic Pathogenetic Trials by employing the Jaccard Similarity Index and Noise Index.</td>
</tr>
<tr>
<td>4</td>
<td>Michel Van Wassenhoven</td>
<td>Nature and Structure of NTA Traditional Homeopathically Manufactured Medicines</td>
</tr>
<tr>
<td>5</td>
<td>Sanjib Chattopadhyay</td>
<td>Existence of original drug molecules in ultra-high dilutions</td>
</tr>
<tr>
<td>6</td>
<td>Cassiana Santos de Oliveira Pignaton</td>
<td>Evaluating Pfeiffer Circular Chromatography as a Qualitative Methodology of <em>Viscum album</em> Homeopathic Mother Tinctures: A Multicentric Collaborative Project Between Brazil and Switzerland</td>
</tr>
</tbody>
</table>

**LIST OF PRESENTATIONS – GIRI MEETING 2023**
**SESSION: ONE HEALTH**
**Saturday, October 21st, 2023**
**4:30pm – 5:15pm EDT**

<table>
<thead>
<tr>
<th>Order</th>
<th>Presenting author</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>Monica F. A. Souza (2 abstracts)</td>
<td>Recovery of fire-damaged “cerrado” area treated with homeopathic preparations in slow dispersion devices – a descriptive study.</td>
</tr>
</tbody>
</table>
Clinical observation of wild animals near the CRAS lake (Mato Grosso do Sul, Brazil) submitted to homeopathic treatment by a slow dispersion device: a possible indication of environmental balance.

Poster

1. Nathalia Salles
   Solvatochromic dyes as a tool for tracking homeopathy complex activity in water reservoirs of a spring park in Brazil.

2. Suham Nowrooz
   Homeopathic potencies can regulate the growth and toxicity of *Raphidiopsis raciborskii* (cyanobacteria) and are traceable by solvatochromic dyes.

3. Annekathrin Ueker
   Need for external replication trials in homeopathic basic research: presenting research on four duckweed test systems.

**LIST OF PRESENTATIONS – GIRI MEETING 2023**
**SESSION: CLINICAL RESEARCH 1**
Saturday, October 21st, 2023
5:20pm – 7:00pm EDT

<table>
<thead>
<tr>
<th>Order</th>
<th>Presenting author</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>Ubiratan Adler</td>
<td>Homeopathy for Major Depressive Disorder: protocol for N-of-1 studies (HOMDD-1 Studies)</td>
</tr>
<tr>
<td>Oral</td>
<td>Alastair Gray and Denise Straiges</td>
<td>Findings from clinical, historical, and educational research conducted at the HOHM Foundation office of research.</td>
</tr>
<tr>
<td>Posters</td>
<td>Name</td>
<td>Title</td>
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</tr>
<tr>
<td>1</td>
<td>Leila Mourão</td>
<td>Complementary homeopathic therapy in the treatment of sleep bruxism.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>15 minutes for questions and answers (Human clinics)</strong></td>
</tr>
<tr>
<td>3</td>
<td>Alexandre Próspero</td>
<td>Telemedicine and homeopathy united for wellness and health in veterinary.</td>
</tr>
<tr>
<td>4</td>
<td>Surjit Singh Makker</td>
<td>Role of Homeopathy in Lumpy Skin Disease: Outcome of 37 Cases of Cows treated holistically with Homeopathy</td>
</tr>
<tr>
<td>5</td>
<td>Silvia Fernandes Alves</td>
<td>Homeopathic Treatment of snakebite in dog – case report</td>
</tr>
<tr>
<td>6</td>
<td>Maria Luiza</td>
<td>Baryta Carbonica homeopathic therapy for bronchopneumonia in a dog with megaesophagus</td>
</tr>
<tr>
<td>7</td>
<td>Gleyce Moreno Barbosa</td>
<td>Occurrence of mastitis before and after homeopathic treatment in dairy cattle, in the state of Rio de Janeiro, Brazil.</td>
</tr>
<tr>
<td>8</td>
<td>Cideli Coelho</td>
<td>Giardia nosode 30cH in the treatment of a howler monkey <em>Alouatta guariba</em> with giardiasis in captivity in Brazil</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>15 minutes for questions and answers (Veterinary clinics)</strong></td>
</tr>
</tbody>
</table>