

# **Science Award 2015 goes to Prof. Dr. med. Tamas Bender, Dr. med. Katja Storch und Ellen Dickreuter**

From Industry and Research // News

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**Fig. 1** Winner of the Science Award 2015:  
Prof. Dr. med. Tamas Bender, member of  
the Hungarian Academy of Sciences.



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Three researchers from Hungary and Germany received the Science Award 2015 for their research work on BEMER® Physical Vascular Therapy. They also presented new results from the fields of back pain, arthrosis and cancer research.

An estimated 7 million people suffer from chronic back pain in Germany alone, 6 million from knee joint arthrosis, 4 million from polyarthrosis and 1.5 million from inflammatory rheumatic diseases. Impaired microcirculation causes or at least has an effect on the development of many of these widespread diseases. The BEMER equipment improves the impaired vasomotion of the small and very small vessels. This leads to adequate blood distribution in the microcirculation. BEMER is therefore an effective therapy option in many indication areas, and offers clinical and basic research a wide field of activity, which an increasingly number of renowned scientists are discovering.

At the Baden-Baden Medical Week in 2015, the Science Award was again given for research work concerning BEMER® Physical Vascular Therapy. Ärztesgesellschaft für Erfahrungsheilkunde e.V. in cooperation with publisher Haug Verlag invited all the conference participants at the Medical Week to the award ceremony on October 31, 2015.

Conference director Dr. med. Hans-Peter Friedrichsen thanked the approx. 180 participants for their interest and emphasized with obvious pride that research work on Physical Vascular Therapy was now being honored with the Science Award for the fifth time in a row.

This award is presented jointly by Ärztesgesellschaft für Erfahrungsheilkunde e.V., Haug Verlag, the International Prevention Organization (IPO), and, for the first time, the new network International Microvascular Net (IMIN).

First of all, Fred Unrath (IMIN) thanked the tirelessly active Caroline Augspurger-Hacker and her team for their extraordinary achievements in organizing the get-together events of recent years, and also recalled his beginnings as a continuous exhibitor of the BEMER Group in the past almost 20 years.

Prof. Dr. Dr. med. Fred Harms moderated throughout the evening in his role as Vice President of the IPO Brussels in a fresh, humorous manner, making references to his personal experiences with the award winners.

**Prof. Dr. med. Tamas Bender**, chief physician at Hospitaller Brother of St John of God-Head in Budapest and member of the Hungarian Academy of Sciences, received the prize for a randomized, controlled, double-blind clinical pilot study of 50 patients with painful knee arthrosis and chronic lower back pain. The Physical Vascular Therapy or a placebo device with no effect were used once daily in combination with physiotherapy over a period of 15 sessions. The study showed that BEMER® Physical Vascular Therapy was able to reduce the pain and fatigue of patients with chronic back pain in the short term, while the long-term therapy for patients with knee arthrosis proved to be beneficial. The data was peer reviewed and published in May 2015 in the Journal of Evidence-Based Complementary & Alternative Medicine.

The two junior scientists **Dr. med. Katja Storch** and graduate biologist **Ellen Dickreuter** received the second research award. The scientists are part of the research group of Prof. Dr. med. Nils Cordes, the director of the working group on molecular and cellular radiobiology at the national Center for Radiation Research in Oncology at the University Hospital of Dresden University of Technology.

Their experimental work investigated the influence of Physical Vascular Therapy on the resistance to radiation and chemotherapy of human tumor cells. In this context, Physical Vascular Therapy was able to strengthen the cytotoxic effect of radiation. With concurrent BEMER Therapy, significantly fewer tumor cells survived the radiation. In addition, DNA damage to the tumor cells was proven to be significantly more frequent. If such effects can be confirmed clinically, Physical Vascular Therapy could be part of cancer treatment in future. In any case, the results were intriguing, and research into the use of BEMER Therapy in cancer treatment will continue in Dresden.

**Fig. 2** Prof. Dr. Dr. med. Fred Harms, Vice President of the IPO and Medical Director of the IMIN.

**Designed by doctors for doctors.**

**Basic. Extensive. Practical.**

BEMER Int. AG, patentee and producer of BEMER® Physical Vascular Therapy, organizes regular seminars on theory and practice.

**Aim of the event:** Over two focused days, you receive basic information on BEMER® Physical Vascular Therapy in adjuvant surgery application and home application, and the certification on the product knowledge and expertise. After this training, registration as a BEMER endorsing physician is possible.

The next events will take place over two days in Frankfurt am Main on the following dates:

- 12.–13.03.2016
- 11.–12.06.2016
- 10.–11.09.2016
- 03.–04.12.2016

### **Further information and registration**

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### **Producer**

Bemer Int. AG

[www.bemergroup.com](http://www.bemergroup.com)

**Fig. 3** Fred Unrath, Stephanie Gleim, Director of the Medical and Scientific Department of BEMER Int. AG, at the check presentation to the two award winners in the field of junior scientists: Dr. med. Katja Storch and graduate biologist Ellen Dickreuter.

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