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The German Society for Boron Neutron Capture Therapy,  
represented by its President Professor Wolfgang Sauerwein, invites you:

## Be a part of the global working BNCT team for scientific clinical work

Dear colleague interested in BNCT,

I would like to draw your attention to an important topic (which you are familiar with) and, above all, ask you if you are interested in going on an adventure with like-minded people.

### BNCT Global

Actual BNCT is the result of strong progress in interdisciplinary clinical research of physics, chemistry, pharmacy and technology for large-scale use in modern and advanced medicine. It combines state-of-the-art technological development with the requirements of one of the most important disciplines of medicine, namely oncology. These have opened up very promising additional possibilities for scientific applications.

***We expect a rapidly growing interest from clinicians and health care providers around the world***, as soon as the results of the Japanese controlled clinical trials that were performed under the auspices of the PMDA will become available. ***But there was no institution worldwide prepared and able to coordinate the complex translational research activities that are necessary to make BNCT a success in a limited time period.***

### Next milestones

In a first step, an ***International Reference Center for BNCT*** will be established. This ***International Reference Center for BNCT*** is summarizing all the different clinical and non-clinical disciplines that are needed to perform the translational research needed to introduce BNCT successfully as an innovative treatment modality in a limited period of time into clinical practice.

This International Reference Center for BNCT will be organized as an international clinical research unit, proposing a patient data center open to all BNCT performing facilities. It has to be a ***reference and a partner for regulatory authorities worldwide*** (who actually have major difficulties to handle BNCT, especially potential new drugs), and last but not least, it will be a ***training center for clinicians, technicians, and scientists*** to be prepared for their own local BNCT hospitals. A professional drug development program is launched. More effective drugs for certain types of cancer must be developed. Therefore, a strong professional partner must be integrated. This center will be in close exchange with others already existing BNCT facilities, which up to now, do not have such strong scientific backup.

Several technical solutions now are available and at this very moment 4 hospital-based facilities are already existing leading to a rapidly growing interest inside the medical community.

The fact that **a growing market for BNCT** is appearing, is triggering the efforts for developing new drugs to treat other diseases than brain tumors, head and neck cancer or melanoma, which were the main indications for BNCT in the past.

Well maintained **databases for scientific evaluation and for regulatory authorities worldwide** are important and decisive prerequisites for a **functioning business case**.

Establishing a BNCT treatment Centre requires a careful and **well-founded scientific basis with trained staff and scientific guidance**. A strong industrial and financial partner must work with us to develop and build the complex infrastructure. **Several hundred BNCT Center globally** are needed based on clinical requirements.

Invitation: Form a global working team for scientific clinical work

Clinical based Community: Partners (will be announced soon)

**You are interested to be a Part of this Pressure Group?**

(Send me a short mail. We will then add you to our mailing list for future work and keep you informed on a regular basis.)

**Best greetings from Germany**

**Wolfgang**

**Prof. Wolfgang Sauerwein**

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***P.s. If you are interested you will receive further fact sheets with the following topics:***

1. Principles and Challenges of BNCT
2. Shifting paradigms: hospital-based accelerators for BNCT
3. BNCT world-wide
4. Need for BNCT
  - 4.1 Expected patient numbers
  - 4.2 BNCT centers to be created
    - 4.2.1 Specifications of a peripheral BNCT facility exclusively for the treatment of patients
    - 4.2.2 Specifications of a research-intensive Reference Center for BNCT
  - 4.3. Business Case
    - 4.3.1 Hardware Development
    - 4.3.2 Initial Financing
    - 4.3.3 Business Plan
    - 4.3.4 Regulators Affairs
5. Next milestones
6. Publications: