

From acupuncture to the many hundred different medical herbs – Traditional Chinese Medicine (TCM) is booming. And it is effective: TCM has been practised successfully for more than 4000 years, and the Western demand for something to complement classical Western medicine has been increasing for years. Graz is going to play a central role in TCM research in future: the „**TCM Research Center Graz**“ was founded in early March 2007 by **Karl-Franzens-University Graz** and the **Medical University Graz**, and subsequently a competence center that is unique worldwide should come into being and pool the numerous national and international activities in the fields of TCM research and teaching.

Dealing with acupuncture and Chinese medical herbs has a long tradition in Graz: **Prof. Rudolf Bauer**, head of the Institute of Pharmaceutical Sciences at Karl-Franzens-University, has been researching the active pharmaceutical ingredients and quality of Chinese medicinal herbs for 18 years. **Prof. Gerhard Litscher**, head of the Research Unit of Biomedical Engineering in Anesthesia and Intensive Care Medicine at the Medical University of Graz, has dedicated himself to the research of acupuncture using the latest high-tech methods since 12 years. For both, scientific work is the basis for modernization of TCM: „TCM is a kind of medicine that can be evaluated scientifically“, says Rudolf Bauer, „it possesses comprehensible diagnostic methods and uses precise and controllable therapies.“ So, all research work is done based on scientific methods. Gerhard Litscher: „We are interested in basic research and those aspects of TCM that have not been given much attention so far, for example the quantification of new acupuncture techniques such as the painless laser needle acupuncture and electro acupuncture. Possible effects of acupuncture in combination with other methods are also subject to scientific research.“

Text: Gudrun Pichler

Herbal Medicine Research

- Development of quality control methods for Chinese herbs
- Drafting of monographs for the European Pharmacopoeia
- Development of herbal medicinal products and dietary supplements
- Pharmacological activity and clinical efficacy on the basis of Evidence Based Medicine
- Safety and pharmacovigilance studies
- Isolation of new lead structures

Acupuncture Research

- High-Tech Acupuncture® Research
- Computer-Controlled Acupuncture®
- Development of innovative acupuncture stimulation methods (laser-, needle-, electroacupuncture)
- Methods for the quantification of peripheral and central effects of acupuncture
- Modernization of acupuncture (evidence-based medicine, laser needle medicine)
- Scientific evaluation of complementary medical methods (acupuncture, acupressure, Qigong, moxibustion, laser therapy)

Supported by:



Research Center for

T C M raditional hinese edicine

Graz



<http://tcm-graz.at>

Leadership

Prof., PhD
Rudolf Bauer
Head of the Institute
of Pharmaceutical Sciences
University of Graz
Universitätsplatz 4/I
A-8010 Graz / Austria
Tel.: +43 316 380-8700
Fax: +43 316 380-9860
Email: rudolf.bauer@uni-graz.at



- **Herbal Medicine Research**

- **Acupuncture Research**



Prof., MSc PhD MDsc
Gerhard Litscher

Head of the Research Unit of Biomedical Engineering
in Anesthesia and Intensive Care Medicine
Medical University of Graz
Auenbruggerplatz 29
A-8036 Graz / Austria
Tel.: +43 316 385-3907, -83907
Fax: +43 316 385-3908
Email: gerhard.litscher@medunigraz.at

Board

- Vice Rector Prof. Dr. Irmgard Th. Lippe, MUG
- Vice Rector Prof. Dr. Irmtraud Fischer, KFU
- Dean Prof. Dr. Karl Crailsheim, KFU
- Prof. Dr. Gerhard Schwarz, MUG
- Prof. Dr. Rudolf Bauer, KFU
- Prof. DI DDr. Gerhard Litscher, MUG

Stakeholders Advisory Board

- Dr. Carolin Auer
Head of Research Management and Organisation,
Medical University of Graz
- Mag. Kristina Edlinger-Ploder
Minister of Science and Research, Transport and Technology,
Styria
- DI Dr. Robert Gfrerer
Director Human Technology Styria
- Dr. Barbara Haselsteiner
Head of Research Management and Service, Karl-Franzens-
University of Graz
- Mag. Dr. Gerhard Kobinger
President of Styrian Pharmaceutical Chamber
- Mag. Siegfried Nagl
Mayor of Graz, the capital of the Province of Styria
- Dr. Wolfgang Routil
President of Styrian Medical Chamber
- Hon.-Prof. Dr. Robert Schlögel
Department Head, Federal Ministry of Health, Austria
- Mag. Thomas Spann
Director Economic Chamber Styria
- Univ.-Prof. DI Dr. Hans Sünkel
Rector of Technical University of Graz

Scientific Advisory Board

- Prof. Dr. Kelvin Chan, Wolverhampton, UK
Director of R&D and Chair Professor of Pharmacy &
Pharmacology, School of Applied Sciences
- Prof. Dr. Yung-Chi Cheng, New Haven, USA
Yale University, School of Medicine; Chairman of the
Consortium for Globalization of Chinese Medicine
- Prof. Dr. Dean Guo, Shanghai, China
Shanghai Research Center for TCM Modernization, Chinese
Academy of Sciences
- Prof. Dr. Aiping Lu, Beijing, China
Head of the Institute of Basic Research in Clinical Medicine,
China Academy of Chinese Medical Sciences
- Prof. Col. Dr. Richard C. Niemtzow, Andrew Air
Force Base, USA
Malcolm Grow Medical Center, Uniformed Services University
of the Health Sciences, Bethesda
- Prof. Dr. David Rindge, Melbourne, USA
Head of the Center for Cooperative Medicine
- Prof. Dr. Wolfgang Schwarz, Frankfurt, Germany
Head of the German-Chinese Res. Found. for TCM and of Cell
Electrophysiol. Lab, Max Planck-Institute f. Biophysics
- Prof. Dr. Jan Van Der Greef, Leiden, NL
Leiden/Amsterdam Center for Drug Research (LACDR),
Leiden University
- Prof. Dr. Hildebert Wagner, Munich, Germany
Institute of Pharmacy, Center for Pharmaceutical Research,
Ludwig-Maximilians-University
- Prof. Dr. Weibo Zhang, Beijing, China
Head of the Institute of Acupuncture and Moxibustion, China
Academy of Chinese Medical Sciences

