

Business Address:

Institute of Biomedical Engineering
University and ETH Zurich
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Home Address:

Rebbergstrasse 73
5408 Ennetbaden
Phone: +41 56 222 2951

Academic Position:

Professor for Biomedical Engineering
of the University of Zurich and ETHZ
Director of the Institute

Personal Data:

Born October 3, 1946
Swiss citizen
married, four children

Education and Professional Experience:

- 1973 Diploma in Experimental Physics (principal advisor: Prof. Dr. E. Brun) at the UZH
- 1973-1977 Graduation to Dr. phil. nat. sc. (principal advisor: Prof. Dr. E. Brun) at the UZH.
Award of the Faculty.
- 1977-1979 Research associate at the Institute of Physics of the UZH.
- 1979-1991 Senior research associate at the Institute of Biomedical Engineering (IBTZ)
of the University of Zurich and of the Swiss Federal Institute of Technology (ETHZ).
- 1984-1985 Research fellowship at Philips Medical Systems in Best NL, at the Philips Research
Laboratories in Hamburg BRD, and at Emory University in Atlanta GA.
- 1985 Habilitation at the Medical Faculty of the UZH.
- 1985-1991 Head of the MRI/MRS research division.
- since 1991 Professor for Biomedical Engineering of the UZH.
Chairman of the Division *Biophysics* of IBTZ.
- 1993-2003 "Permanent Guest Professor" of ETHZ.
- 1997 Initiation of the *International Zurich Magnetic Resonance Education Center*.
- since 2001 Chairman of the *Center for MRI* of UZH and ETHZ.
- since 2003 Full professor of UZH and ETH Zurich; Director of the *Institute for Biomedical
Engineering*

Publications and Patents:

- 370 original scientific publications in international reviewed scientific journals;
- 61 further publications and book contributions;
- >300 publications in conference proceeding and extended abstract books.
- 37 scientific or technical patents (author or co-author)
- Author of the book "Kernspin-Tomographie für die medizinische Diagnostik",
B.G. Teubner, 1985.

Honors:

- Award of the Faculty of Natural Sciences of the University of Zurich (1977)
- Award of Georg Friedrich Götz, University of Zurich (1988)
- Thermology Commendation Award, American Academy of Thermology (1989)
- Günther-Laukien-Award (2001)
- Fellow of the International Society for Magnetic Resonance in Medicine (2010)
- Several medals and awards for best congress presentations (1993-2010)

Further Awards of the research group:

- Philips Innovation Award (2001; prize winners: Klaas P. Pruessmann, Markus Weiger)
- Ake Senning Award (2001; prize winner: Roger Lüchinger)
- Swiss Society for Biomedical Engineering (2003; price winner: Dr. Ulrike Dydak)

External Fundings:

- Cumulated external funding of approx. CHF 25 Mio. (industry, scientific grants and sponsors)

Teaching activities:

- Lectures on Biomedical Engineering, Biomechanics, and Magnetic Resonance in Medicine
- Practical studies in Biomedical Engineering and Medical Physics
- Seminars in Biomedical Engineering, Magnetic Resonance Imaging and in Vivo Spectroscopy, Cardiology and Heart Surgery, Neurological, Neuroradiological, and Nuclear Medicine for Functional Imaging, Stochastic Case Examples for Engineers
- International Zurich Magnetic Resonance Educational Courses (blocks, 1 week)

Memberships:

- International Society for Magnetic Resonance in Medicine (board member 2002-05)
- European Society of Engineering and Medicine (executive board member 1993-99)
- European Society of Magnetic Resonance in Medicine and Biology (scient. progr. committee)
- Society for Cardiovascular Magnetic Resonance
- Cardiovascular System Dynamics Society
- Swiss Association of Biomedical Engineering (SGBT) (board since 1981-96; president 1987-93)
- German Society of Biomedical Engineering (member of scientific advisory committee)
- Swiss Society of Radiation Biology and Medical Physics
- Swiss Association of Neuroradiology
- Zurich Physical Society
- International Federation for Medical and Biological Engineering (representative of SGBT)
- Swiss Academy of Technical Sciences (representative of SGBT)

Editors and Editorial Boards:***Editor and Editorial Boards***

- Biomedizinische Technik (Co-Editor)
- Magnetic Resonance in Medicine
- Journal of Cardiovascular Magnetic Resonance
- Acta Neurologica Scandinavica
- Computerized Medical Imaging and Graphics
- Kardiovaskuläre Medizin

Boards of Reviewers

- Circulation
- Journal of Magnetic Resonance Imaging (JMRI)
- Journal of Magnetic Resonance
- MAGMA
- Annals of Biomedical Engineering
- Journal of Biomedical Engineering
- Technology and Health Care

Reviewer of the Swiss National Science Foundation (SNF), the Austrian Foundation for Promotion of Scientific Research, the Deutsche Bundesministerium für Bildung und Forschung (BMBF) and the Deutsche Forschungsgesellschaft (DFG).

Zurich, May 14, 2010



Prof. Peter Boesiger