

ANNOUNCEMENT Susanne Klein-Vogelbach-Prize 2010



Deadline: September 30, 2010

The concept of functional kinetics developed by *Dr. h. c. Susanne Klein-Vogelbach* has gained great impact on the analysis of normal human movement and on the rehabilitation of impaired movement after traumatic injuries or neurological diseases. Her concept has found wide acceptance in the German-speaking countries and elsewhere. The Faculty of Medicine at the University of Basle, Switzerland honored her achievements by awarding her the title of honorary medical doctor. Through workshops, courses and seminars and with her books which were published in many editions she inspired young people to apply her therapeutic concept in physiotherapy. Countless patients owe her their gratitude for being able to find their way back to normal movement without pain with the aid of **Klein-Vogelbach's Functional Kinetics**.

The "**Susanne Klein-Vogelbach-Prize for the Research of human movement**" has been awarded the first time in
1999 to Dr. **Michel Rijntjes** (1) Halle/Hamburg
2000 to Dr. **Dagmar Timmann-Braun**, (2) Essen
2002 to Dr. **Timo Krings**, (3) Aachen
2003 to Dr. **Antoni Rodriguez-Fornells**, (4), Mallorca
2004 to Dr. **Heidi Johansen-Berg** (5), Oxford
2004 to **Doris Broetz** (6), Tübingen (**special award**)
2005 to Dr. **Friedhelm Hummel** (7), Tübingen
2006 to Dipl.-Ing. **Reinhard Gentner** (8), Dr. **Joseph Classen**, Würzburg
2007 to Dr. **Amy J. Bastian** (9), Baltimore
2008 to Dr. **Arne May** (10), Hamburg
2009 to Dr. **William Hodges** (11), Brisbane

Aims and Scope:

The "Susanne Klein-Vogelbach-Prize for the Research of Human Movement" is awarded to researchers in neuroscience, orthopedics and anatomy whose work is oriented to a better understanding of the underlying principles of human movement and its rehabilitation. Movement in this context is not restricted to locomotion, rather it covers all kinds of muscular-induced human movement including mime and music.

Authors who have published a scientific paper in this area within the last two years or whose paper has been accepted for publication are entitled to submit their application. Papers in English or German will be preferred. References from a third party are not required.

Excluded are papers which have already been submitted for a prize.

The prize is endowed with 10,000 CHF (Swiss Francs).

Members of the Jury:

Prof. Dr. Eckart Altenmüller (Hannover, Germany)
Prof. Dr. Jürg Kesselring (Valens, Switzerland)
Prof. Dr. Peter Villiger (Berne, Switzerland)

Applications must contain

- **Four** copies of the submitted paper
- A short summary of the content
- A short CV
- A list of publications

Please send your application (no special form required) by September 30, 2010 at the latest to:

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- (2) Timmann, D, Watts S, Hjore, J. Failure of cerebellar patients to time finder opening precisely causes high-low inaccuracy in overarm throws. *J. Neurophysiol.* 82: 103-114 (1999)
- (3) Krings T, Töpper R, Willmes K, Reinges MHT, Gilsbach JM, Thron A.: Activation in primary and secondary motor areas in patients with varying degrees of paresis, *Neurology*, 2002, 58:381-390
- (4) Rodriguez-Fornells A, Kurzbuch AR, Münte TF: Time Course of Error Detection and Correction in Humans: Neurophysiological Evidence, *J Neurosci.* 2002 Nov 15;22(22):9990-6
- (5) Johansen-Berg H, Matthew F.S. Rushworth, Marko D. Bogdanovich, Udo Kischka, Sunil Wimalaratna, Paul M. Matthews: "The role of ipsilateral premotor cortex in hand movement after stroke", *Proc Nat Acad Sci* 2002
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- (7) Hummel F, Celnik P, Giraux P, Floel A, Wan-Hsun Wu WH, Gerloff C, Cohen LG (2005) Effects of non-invasive cortical stimulation on skilled motor function in chronic stroke. *Brain* 128, 490-9.
- (8) Gentner R, Classen J (2006) Modular organization of finger movements by the human central nervous system. *Neuron*, Vol 52, 731-742, 22 November 2006
- (9) Bastian, Amy J. (2007) Adaption reveals independent control networks for human walking, *Nature Neurosciences* 10, 1055 - 1062 (2007)
- (10) J. Bayke, J. Driemeyer, C. Gaser, C. Büchel, A. May (2008) Training induced brain structure changes in the elderly. *The Journal of Neurosciences* 28 (28): 7031-7035
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