



# Science based Prevention

From regeneration to prevention –  
A forum for interdisciplinary  
preventative strategies

We are delighted to invite you to submit abstracts to the forthcoming:

## International Symposium on Science based Prevention

Thursday 30<sup>th</sup> June – Friday 1<sup>st</sup> July 2011

Center for Sports Science and Sports Medicine Berlin

### Science based Prevention

Within the scientific community, it is widely considered that knowledge from musculoskeletal healing and medical therapies can be transferred into strategies for prevention of musculoskeletal injury and degeneration, as well as deterioration of neuromotor and cardiovascular control. However, the scientific evidence for such a conceptual approach is still unclear.

To become effective, prevention strategies require the understanding of a number of relevant disciplines including kinematics/kinetics, biology/biochemistry, medicine, biotechnological sciences and patient nutrition. Here, understanding the underlying molecular processes, cellular responses and structural consequences, as well as movement and loading patterns, is essential for a science based approach to effective prevention.

This symposium will allow the state of the art in the research fields of regeneration and prevention to be highlighted and examined. We will now offer a platform for clinicians and researchers to share expertise and experiences on the latest developments for effective prevention.

### Organizational facts

#### Abstract submission

Abstracts for posters and presentations will be accepted until Tuesday, **1<sup>st</sup> April 2011**. Please find further details, including a submission form, on the website at: [www.science-based-prevention.de](http://www.science-based-prevention.de)

#### Fees

Regular € 250 | Students € 150 (including evening event)

#### Registration

Please register online on [www.science-based-prevention.de](http://www.science-based-prevention.de)  
Registration is open until Sunday, **15<sup>th</sup> May 2011**.

### Preview of the scientific program

#### Topics

- (I) Remaining challenges in functional recovery and regeneration
- (II) Biomechanical concepts in prevention
- (III) Current medical concepts for prevention
- (IV) Functional assessment as a clinical outcome:
- (V) Medical based aspects in aging, nutrition and preventive technologies
- (VI) Innovative technological solutions in preventive therapies

#### Confirmed speakers include

*T. Andriacchi (Stanford University, USA),  
V. Baltzopoulos (Manchester Metropolitan University, UK),  
G. Bergmann (Charité - Universitätsmedizin Berlin, Germany),  
E. Steinhagen-Thiessen (Charité – Universitätsmedizin Berlin, Germany),  
D. Felsenberg (Charité – Universitätsmedizin Berlin, Germany),  
A. Kühn (Charité – Universitätsmedizin Berlin, Germany),  
D. Liebermann (Harvard University, USA),  
B. Nigg (Calgary University, USA),  
C. Strasburger (Charité – Universitätsmedizin Berlin, Germany),  
H.D. Volk (Charité – Universitätsmedizin Berlin, Germany),  
A. Woolf (Peninsula College of Medicine & Dentistry, UK)*

#### Contact

Center for Sports Science and Sports Medicine Berlin (CSSB)  
Julius Wolff Institute, Charité – Universitätsmedizin Berlin  
Augustenburger Platz 1, Forum 4, PF 24  
13353 Berlin, Germany  
Phone: +49 (0)30 450 559048  
Fax: +49 (0)30 450 559969  
[info@science-based-prevention.de](mailto:info@science-based-prevention.de)  
[www.science-based-prevention.de](http://www.science-based-prevention.de)

We look forward to welcoming you to Berlin in June & July 2011  
*G.N. Duda, A. Arampatzis, K. Dreinhöfer, W.R. Taylor (CSSB)*

We are delighted to invite you to submit abstracts to the forthcoming:

# International Symposium on Science based Prevention

Thursday 30<sup>th</sup> June – Friday 1<sup>st</sup> July 2011

Center for Sports Science and Sports Medicine Berlin, Germany

## Science based Prevention

Within the scientific community, it is widely considered that knowledge from musculoskeletal healing and medical therapies can be transferred into strategies for prevention of musculoskeletal injury and degeneration, as well as deterioration of neuromotor and cardiovascular control. However, the scientific evidence for such a conceptual approach is still unclear.

To become effective, prevention strategies require the understanding of a number of relevant disciplines including kinematics/kinetics, biology/biochemistry, medicine, biotechnological sciences and patient nutrition. Here, understanding the underlying molecular processes, cellular responses and structural consequences, as well as movement and loading patterns, is essential for a science based approach to effective prevention.

This symposium will allow the state of the art in the research fields of regeneration and prevention to be highlighted and examined. We will now offer a platform for clinicians and researchers to share expertise and experiences on the latest developments for effective prevention.

## Preview of the scientific program

### Topics

- (I) Remaining challenges in functional recovery and regeneration
- (II) Biomechanical concepts in prevention
- (III) Current medical concepts for prevention
- (IV) Functional assessment as a clinical outcome:
- (V) Medical based aspects in aging, nutrition and preventive technologies
- (VI) Innovative technological solutions in preventive therapies

### Confirmed speakers include

*T. Andriacchi (Stanford University, USA),  
V. Baltzopoulos (Manchester Metropolitan University, UK),  
G. Bergmann (Charité - Universitätsmedizin Berlin, Germany),  
E. Steinhagen-Thiessen (Charité – Universitätsmedizin Berlin, Germany),  
D. Felsenberg (Charité – Universitätsmedizin Berlin, Germany),  
A. Kühn (Charité – Universitätsmedizin Berlin, Germany),  
D. Liebermann (Harvard University, USA),  
B. Nigg (Calgary University, USA),  
C. Strasburger (Charité – Universitätsmedizin Berlin, Germany),  
H.D. Volk (Charité – Universitätsmedizin Berlin, Germany),  
A. Woolf (Peninsula College of Medicine & Dentistry, UK)*

## Organizational facts

### Abstract submission

Abstracts for posters and presentations will be accepted until Tuesday, **1<sup>st</sup> April 2011**. Please find further details, including a submission form, on the website at: [www.science-based-prevention.de](http://www.science-based-prevention.de)

### Fees

Regular € 250 including evening event  
Students € 150 including evening event

### Registration and contact

Registration is open until Sunday, **15<sup>th</sup> May 2011**.

Center for Sports Science and Sports Medicine Berlin (CSSB)  
Julius Wolff Institute, Charité – Universitätsmedizin Berlin  
Augustenburger Platz 1, Forum 4, 13353 Berlin, Germany  
Phone: +49 (0)30 450 559048 / Fax: +49 (0)30 450 559969  
[info@science-based-prevention.de](mailto:info@science-based-prevention.de)  
[www.science-based-prevention.de](http://www.science-based-prevention.de)

We look forward to welcoming you to Berlin in June & July 2011  
*G.N. Duda, A. Arampatzis, K. Dreinhöfer, W.R. Taylor (CSSB)*



## Science based Prevention

From regeneration to prevention –  
A forum for interdisciplinary preventative strategies