



Preliminary PROGRAM: SLTBR Meeting 2009

June 24th – 27th, Berlin, Germany

*Satellite of the World Federation of Societies of Biological Psychiatry
(WFSBP) meeting, Paris, France, June 28th - July 2nd, 2009*



Wednesday, June 24th, 2009

4:30-6:30 pm **SLTBR Board meeting**
7:00-10:00 pm **Registration and opening reception**

Thursday, June 25th, 2009

7:45-8:45 am Registration, breakfast

8:45 - 9:00 am President's Welcome

**9:00 - 12:10 pm CME Course (intended for psychiatrists, physicians,
architects, light planners, etc)**
Chair: Dieter Kunz (Berlin, Germany)

9:00-9:40 am **Basics in Chronobiology**
Marijke Gordijn, University of Groningen, The Netherlands

9:40-10:20 am **Molecular mechanisms in chronobiology**
*Steven Brown, University of Zürich, Switzerland &
Achim Kramer, Charité Berlin, Germany*

10:20-10:50 am Break

10:50-11:30 am **Technical issues of light**
Horst Rudolph, Trilux, Arnsberg, Germany

11:30-12:10 pm **Practical light therapy**
Michael Terman, Columbia University, USA

12:10-1:30 pm Lunch

Lighting and Architecture Focus

1:30 - 3:35 pm Symposium I: What can Chronobiology Offer Architects and Lighting Designers?
Chairs: Anna Wirz-Justice (Switzerland) & Phillip Mead (USA)

1:30-1:55 pm **Visual neuroscience and architectural design**
John Eberhard, USA (architect), Founder of the Academy of Neuroscience for Architecture

1:55-2:20 pm **The built environment and the human response to (day-)light**
Mirjam Münch, Switzerland (chronobiologist and sleep researcher), Solar Energy and Building Physics Laboratory, EPFL

2:20-2:45 pm **What we know about the effects of lighting on performance, mood, and health**
Jennifer Veitch, Canada (psychologist), National Research Council of Canada Lighting Group

2:45-3:10 pm **How can a lighting designer use light in buildings for well-being?**
Jens Christoffersen, Denmark (lighting engineer), Danish Building Research Institute

3:10-3:35 pm **The future of precision-controlled architectural light sources**
Paul Kallmes, USA, Lighting Science Group Corporation

3:35-3:50 pm Break

**3:50 - 5:00 pm Forum: “Biological” Lighting and Architecture -
What Do We Know, What Do We Need to Know?**

*Chair: Colin Fournier, Architect (Kunstmuseum Graz), Professor of
Urban Design, Bartlett School of Architecture, University College
London*

**Architecture and Lighting Experts participating in the Round Table
discussion with SLTBR chronobiologists**

Kristin Feireiss & Hans-Jürgen

Commerell Architecture Forum Aedes, Berlin, Germany

*Bob Gysin Architect Zürich, winner of Velux Daylight Building Award,
Switzerland*

Craig Bernecker Lighting Institute Philadelphia, USA

Bob Venning ARUP Engineering, Lighting designer London, UK

Jean-Louis

Scartezzini Solar physics, daylighting lab LESO, EPFLausanne, Switzerland

Joachim Stormly

Hansen Adviser Optical Indoor Environment, Grontmij/Carl Bro, Denmark

Dieter Lang Physicist, scientific consultant, OSRAM, Germany

Luc Schlangen Scientific consultant, Philips, Eindhoven, The Netherlands

*Toine Schoutens The Light & Health Research Foundation, University of Technology,
Eindhoven, The Netherlands*

Peter Roos &

Peter Dehoff Biological lighting researchers, Zumtobel, Austria

Atto Harsta Foundation Living Daylights, The Netherlands

Andreas Horlitz Artist, lighting installations, Berlin, Germany

Philippe Rahm Architect, lighting installations, Paris, France

7:00 – 9:00 pm Poster session with discussion

Friday, June 26th, 2009

7:45-8:45 am Registration, breakfast

8:45 - 10:15 am Symposium II: EUCLOCK: Entrainment in Humans and Animals

Chairs: Vikki Revell (UK) & Marijke Gordijn (Netherlands)

8:45 - 9:00 am **Entrainment of the human circadian clock**

Till Roenneberg, MPI Munich, Germany

9:00 - 9:15 am **Circadian photoreception: from photic mechanism to clinical strategies**

Claude Gronfier, Inserm, Lyon, France

9:15 - 9:30 am **Insights into the mechanisms of entrainment using Phase Response Curves in mice (*Mus musculus*)**

Marian Comas, University of Groningen, The Netherlands

9:30 - 9:45 am **A Molecular Look at Chronotype and Aging**

Steve Brown, University of Zurich, Switzerland

9:45-10:05 am **ClockWatcher and LightWatcher, new techniques for ambulatory measurements in humans**

Vitaliy Kolodyazhnyy, University of Basel, Switzerland & Marijke Gordijn, University of Groningen, The Netherlands

10:05-10:15 am **General discussion: Where does EUCLOCK go from here?**

10:15-10:45 am Break

10:45-12:15 am **Oral presentations I**

12:15-1:45 pm Lunch

1:45-3:15 pm **Oral presentations II**

3:15-3:45 pm Break

3:45-4:00 pm **Junior Investigator Award presentation**

4:00-5:00 pm SLTBR Annual Business Meeting

7:00 pm Annual Banquet

Saturday, June 27th, 2009

7:45-8:45 am Registration, breakfast

8:45 - 10:20 am Symposium III: Sleep Deprivation, Light Therapy, Phase Advance: Chronotherapeutic Adjuncts to Medications in Major Depression

Chairs: Klaus Martiny (Denmark) & Michael Terman (USA)

8:45-9:10 am

Clinical efficacy and feasibility of chronotherapeutics in psychiatric care

Cristina Colombo, Istituto Scientifico Universitario Ospedale San Raffaele Milano, Italy

9:10-9:35 am

Chronotherapeutics for depression: a decision strategy for clinicians

Anna Wirz-Justice, Psychiatric University Clinics Basel, Switzerland

9:35-9:55 am

Results from a study in unipolar patients using sleep deprivation in combination with bright light therapy and sleep timing control

Klaus Martiny, Psychiatric Research Unit, Hillerød, Denmark

9:55-10:20 am

Results from a study in bipolar patients using sleep deprivation, sleep phase advance and bright light therapy

Joseph Wu, University of California, Irvine, USA

10:20-10:50 am

Break

10:50-12:20 am

Oral presentations III

12:20-12:30 pm

Closing remarks

12:30-2:30 pm

Optional Event: *Tour of the newly renovated ("chronobiological lighting") Department of Psychiatry, in the Vivantes Klinik Berlin (headed by Professor Jürgen Staedt)*