

SOCIETY IN SCIENCE SYMPOSIUM 2012

Art Deco Hotel Montana (Art Deco Saal), Adligenswilerstrasse 22, CH-6006 Lucerne

Monday, November 19, 2012

Welcome

09:00 **Professor Peter Chen**
Director of Society in Science

09:15 **Strategy Committee**

Our Technologies

09:30 **Michael Nash**
Ludwig-Maximilians University,
Munich, Germany
Cellulosome engineering for
renewable biofuel production

10:00 **Zi Chen**
Washington University, St. Louis,
USA
Mechanics of soft living matter:
from DNA mechanics to
morphogenesis

10:30 **Coffee Break**

Our Society and Information Systems

10:45 **Karim Bschr**
ETH Zurich, Switzerland, and
Leibniz University Hannover,
Germany
The many faces of scientific
uncertainty

11:15 **Adrian Künzler**
Yale Law School, New Haven
(CT), USA
The new behavioral economics:
evolving preferences, social norms
and knowledge commons in
imperfect markets

12:00 **Lunch Break**

13:30 **Lea Haller**
Sciences Po, Paris, France
Natural resources and
international politics: Global
commodity trade in the 20th
century

14:00 **Riley Crane**
MIT Media Lab, Cambridge, USA
Spreading of information and
diseases

14:45 **Marcel Salathé**
Pennsylvania State University,
USA
The dynamics of health behavior
sentiments on a large online social
network

15:30 **Coffee Break**

Our Environment

15:45 **Nita Bharti**
Princeton University, New Jersey,
USA
Human movement and human
health: innovations for the
developing world

16:15 **Saskia van Manen**
The Open University, Milton
Keynes, United Kingdom
Ivolcán; social science and
volcanology in Central America

17:00 **Coffee Break**

17:15 **Michael Fabinyi**
James Cook University,
Townsville, Australia
The social dynamics of seafood
consumption in China

17:45 **Reinette Biggs**
Stockholm Resilience Centre,
Sweden
Tipping points in social-ecological
systems: Insights from the Regime
Shifts Database

18:30 **End**

Tuesday, November 20, 2012

Our Body

09:00 **Andreas Keller**
The Rockefeller University,
New York, USA
Making sense of scents

09:45 **Krishanu Saha**
MIT & Harvard University,
Cambridge, USA
Stem cell engineering and
personalized medicine

10:30 **Coffee Break**

10:45 **Cheemeng Tan**
Carnegie Mellon University,
Pittsburgh, USA
The engineering of antibacterial
artificial cells using a synthetic
biology approach

11:15 **George Slavich**
University of California,
Los Angeles, USA
Social regulation of inflammatory
biology

12:00 **Lunch Break**

13:30 **Josiane Broussard**
Cedars-Sinai Medical Center,
Los Angeles, USA
Eat, sleep and be healthy: Effects
of sleep restriction on the
development of diabetes & obesity

14:15 **Aoife O'Donovan**
University of California,
San Francisco, USA
From bench to behavior:
Mechanisms of accelerated
biological aging in the aftermath of
psychological stress exposure

15:00 **Coffee Break**

Our Brain

15:15 **Arko Ghosh**
ETH and University of Zurich,
Switzerland, and University
College London, United Kingdom
One brain and many sensational
bodies

16:00 **Julia Sacher**
Max Planck Institute, Leipzig,
Germany
The menstrual cycle of the brain

16:30 **Coffee Break**

16:45 **Daniela Andres**
ETH and University of Zurich,
Switzerland
The effect of disease and the alert
state on the neuronal discharge of
the Basal Ganglia

17:30 **Grit Hein**
University of Zurich, Switzerland
Neural and behavioral foundations
of prosocial behavior

Closing

18:30 **Professor Heidi Wunderli-
Allenspach**
Director of Society in Science

18:40 **End**

society
in science

The Branco Weiss Fellowship

ETH

Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich