

THE KAVLI PRIZE

Thursday 9 September

NTNU, Gløshaugen

The Natural Sciences Building, Auditorium R1

09:30–09:40 **Torbjørn Digernes** *(Opening address)*
Rector of NTNU

Nils Christian Stenseth *(Opening address)*
President of The Norwegian Academy of Science and Letters

09:50–10:30 **Donald M. Eigler**
IBM Almaden Research Center, US
The Small Frontier

Introduction by Arne Skjeltorp, Chairman of the Kavli Prize Committee in Nanoscience

10:30–11:10 **Thomas C. Südhof**
Stanford University, US
Neurotransmitter Release – How Synapses Speak

Introduction by Jon Storm-Mathisen, Chairman of the Kavli Prize Committee in Neuroscience

11:10 **Robert Conn**
President of the Kavli Foundation
Concluding remarks



THE NORWEGIAN ACADEMY OF SCIENCE AND LETTERS



NTNU NanoLab: 2nd Nanotechnology@NTNU International Symposium

Trondheim 9 September, 2010
Gløshaugen, Lecture Hall R5

Programme

13:00

Bjørn Torger Stokke, Chairman of NTNU NanoLab's Board
Opening of the 2nd Nanotechnology@NTNU

13:05

Nadrian Seeman, Kavli Prize Laureate 2010,
New York University, USA
Using Chemical Information to Control the Structure of Matter

13:45

Anja Boisen, Technical University of Denmark, Denmark
Miniaturised Mechanical Sensors for Molecular Recognition and Nanoparticle Detection

14:25

COFFEE

14:40

Charles Lieber, Harvard University, USA
Semiconductor Nanowires: Platform for Nanotechnology

15:20

Lars Samuelson, Lund University, Sweden
Semiconductor Nanowires: a Generic Approach Towards Novel Materials Physics and Devices

16:00

Bjørn Torger Stokke, NTNU NanoLab Board
Closing Remarks

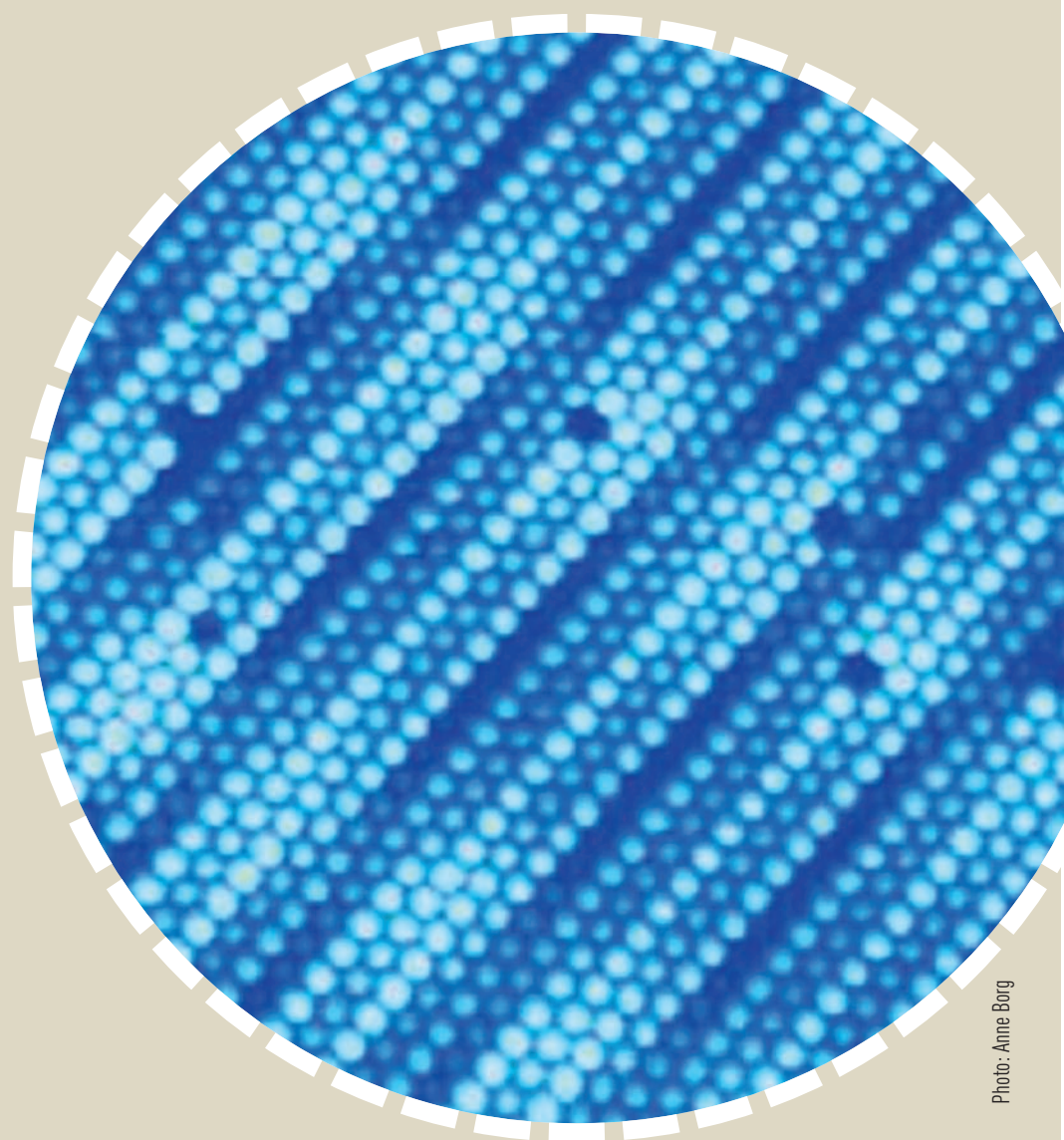


Photo: Anne Borg

*Atomic structure of
a clean reconstructed
Pt(100)-surface.*

Registration to
hanna.gautun@nt.ntnu.no
by 1 September, 2010



NTNU – Trondheim
Norwegian University of
Science and Technology

Kavli Institute Public Lecture:

Eric R. Kandel and Denise Kandel:

There is Life after the Nobel Prize: A Molecular Genetic Approach to the Gateway Hypothesis of Drug Abuse

The Gateway to Drug Abuse. Why is it that teenagers who smoke are 10 times more likely to also use cocaine?

9 September at 12:30

**Auditorium R1 in the Natural Sciences Building
NTNU Gløshaugen**

The «Gateway Hypothesis» describes the process whereby an introduction to drug-using behaviour through the use of tobacco or alcohol is related to subsequent use of marijuana and other illicit drugs such as cocaine and heroin. Both tobacco and alcohol are considered «gateway drugs» that precede the use of illicit drugs.

DENISE KANDEL is a French-born-American sociologist who is the head of the Department of the Epidemiology of Substance Abuse at the New York State Psychiatric Institute and a Professor of Sociomedical Sciences and Psychiatry at Columbia University. She is a recipient of the Pacesetter Award from the National Institute on Drug Abuse for providing the scientific basis for the Gateway Hypothesis.

ERIC R. KANDEL is an Austrian-born American neuroscientist who was a recipient of the 2000 Nobel Prize in Physiology or Medicine for his research on the physiological basis of memory storage in neurons.



Hosted by: The Kavli Institute for Systems Neuroscience

Kavli Institute for Systems Neuroscience

Neuroscience Symposium

Trondheim 9 September 2010

NTNU, Gløshaugen

**The Natural Science Building,
Auditorium R1**

12:30–13:30

Public Lecture: Eric Kandel & Denise Kandel,
Columbia University:

*There is Life after the Nobel Prize: A Molecular Genetic
Approach to the Gateway Hypothesis of Drug Abuse.*

The Faculty of medicine

**Centre for Women and Children,
Auditorium 1st floor**

14:15–14:45

Richard H. Scheller, Genentech:

The Molecular Mechanism of Intracellular Membrane Fusion.

14:45–15:15

Dan Feldman, University of California, Berkeley:

Cortical processing of whisker tactile sensation.

15:15–15:45

Marla B. Feller, University of California, Berkeley:

The assembly of direction-selective circuits.

15:45–16:00

Pause

16:00–16:30

Tim Bliss, National Institute for Medical Research, London:

LTP: past, present and future.

16:30–17:00

Richard Morris, University of Edinburgh:

The revised synaptic tagging and capture hypothesis: implications for the persistence of memory.

17:00–17:30

John M O'Keefe, University College London, UK:

Signals for environmental novelty in the hippocampal formation.

