



DNA molecule

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**TEL AVIV SYMPOSIUM
IN CHEMICAL PHYSICS**

**THE CHEMISTRY AND PHYSICS
OF BIO-NANO SYSTEMS**

Thursday, June 7, 2007

09:00-18:30,

Tel Aviv University
Melamed Auditorium, Shenkar Building



TEL AVIV UNIVERSITY

PROGRAM

9:00-9:20

Gathering and coffee

9:20-9:30

Opening remarks

9:30-10:10

Nathalie Questembert-Balaban, Hebrew.
"Non-genetic individuality in the host-phage interaction"

10:10-10:50

Felix Ritort, Barcelona.
"Mechanical manipulation of nucleic acids at 1KT energy resolution using optical tweezers".

10:50-11:30

Michael Elbaum, Weizmann
"The nuclear pore complex: from molecular sorter to chemical engine"

11:30-11:50 Coffee break.

11:50-12:30

Uri Sivan, Technion.
"The recognition of electronically relevant materials by antibodies and peptides".

12:30-14:00 Lunch, "Gan Hadekalim"

14:00-14:40

Joachim P. Spatz, Heidelberg
"Nano-Digital Surfaces for programming Cell Adhesion Associated Responses"

14:40-15:20

Fernando Patolsky, Tel Aviv
"Nanoscale Materials-based Devices in the Biology World"

15:20-16:00

Itamar Willner, Hebrew
"Biomolecule-Nanoparticle Hybrid Systems: Building Blocks for Nanobiotechnology".

16:00-16:20 Coffee break

16:20-17:00

Michael Urbakh, Tel Aviv
"Dynamical rupture of molecular bonds: From single molecular studies to nanomanipulation".

17:00-17:40

Yael Hanein, Tel Aviv
"Carbon nanotube based neurochip".

17:40-18:20

Julio M. Fernandez, Columbia
"Force-clamp spectroscopy studies of protein folding and enzyme catalysis"

More Information

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