



2012

The Klachky Prize for the Advancement
of the Frontiers of Science for 2012

June 2012 תשע"ב



The Authority for
RESEARCH AND DEVELOPMENT

KLACHKY

The Klachky Prize

The Klachky Prize for the Advancement of the Frontiers of Science is an annual prize founded by the late Ms. Rachel Klachky. The prize is given to Hebrew University faculty members or academic units for their achievements in:

THE ADVANCEMENT OF SCIENCE
THE ADVANCEMENT OF SCIENTIFIC RESEARCH
THE ADVANCEMENT OF SCIENTIFIC KNOWLEDGE
THE ADVANCEMENT OF THE FRONTIERS OF SCIENCE
NEW ACADEMIC DEVELOPMENTS
ACADEMIC VENTURES

THE DONOR

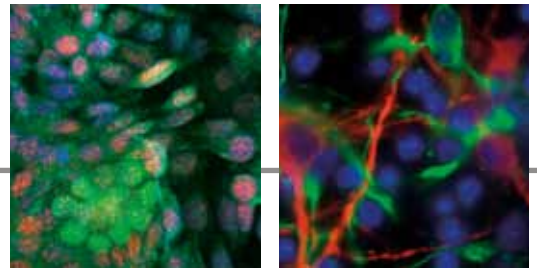


Rachel Klachky (1925-2001) was born in Mexico. Married to the late Engineer Manuel Klachky, she was a central figure in the Jewish Community of Mexico, and one of the founding members of the Mexican Friends of the Hebrew University.

In 1997, she received an Honorary Fellowship from the Hebrew University for her outstanding contributions to the State of Israel and to the Hebrew University of Jerusalem. She wholeheartedly supported worthy causes, including the absorption of new immigrants, students and various research projects at the Hebrew University and studies on superconductivity.

After she passed away, her sons Roberto and Leopoldo continued her legacy of support to the Hebrew University of Jerusalem. The Klachky Prize has been awarded since 2003.

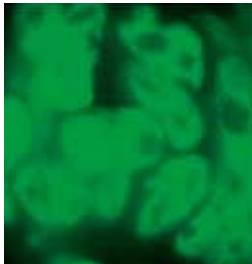
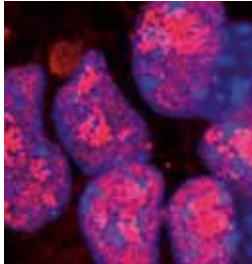
PRIZES



The Klachky Prize for



2012



June 2012 **DR. ERAN MESHORER**

Head of the Stem Cell Chromatin Laboratory, Department of Genetics

Contribution: Using genome-wide approaches and sophisticated imaging techniques, Dr. Meshorer has contributed to understanding genome plasticity and epigenetic regulation in embryonic and neuronal stem cells, stem cell differentiation and reprogramming, and neurodegenerative diseases.

He has demonstrated that the genome in embryonic stem (ES) cells is packaged in a decondensed conformation, providing ES cells the required flexibility and necessary plasticity to become any cell type; this loose structure results in permissive gene expression. Together with colleagues at UCSF, Eran's lab has identified one of the important proteins that helps maintain a flexible genome. More recently, his lab delineated the mechanisms that support genome plasticity in ES cells. The goal is to further our understanding of chromatin-related regulation in stem cells, reprogramming and neurodegeneration. Dr. Meshorer is a recent recipient of the prestigious European Research Council (ERC) starting grant award.

Former Honorees

June 2011

PROF. DAVID WEISBURD

Institute of Criminology / Faculty of Law

Contribution: Pioneering research on white collar crime, policing and crime prevention.

June 2010

PROF. MERAV AHISSAR

Program in Cognitive Sciences and Department of Psychology / Faculty of Social Sciences

Contribution: The neuro-cognitive basis of reading disability - the 'anchoring-deficit' hypothesis.

June 2009

PROF. ISAIAH TUVIA (SHY) ARKIN

Silberman Institute of Life Sciences / Faculty of Science

Contribution: Structural biology of membrane proteins, focusing on pathogen's ion channels and ion pumps.

June 2008

PROF. URI BANIN

Institute of Chemistry and the Center for Nanoscience and Nanotechnology / Faculty of Science

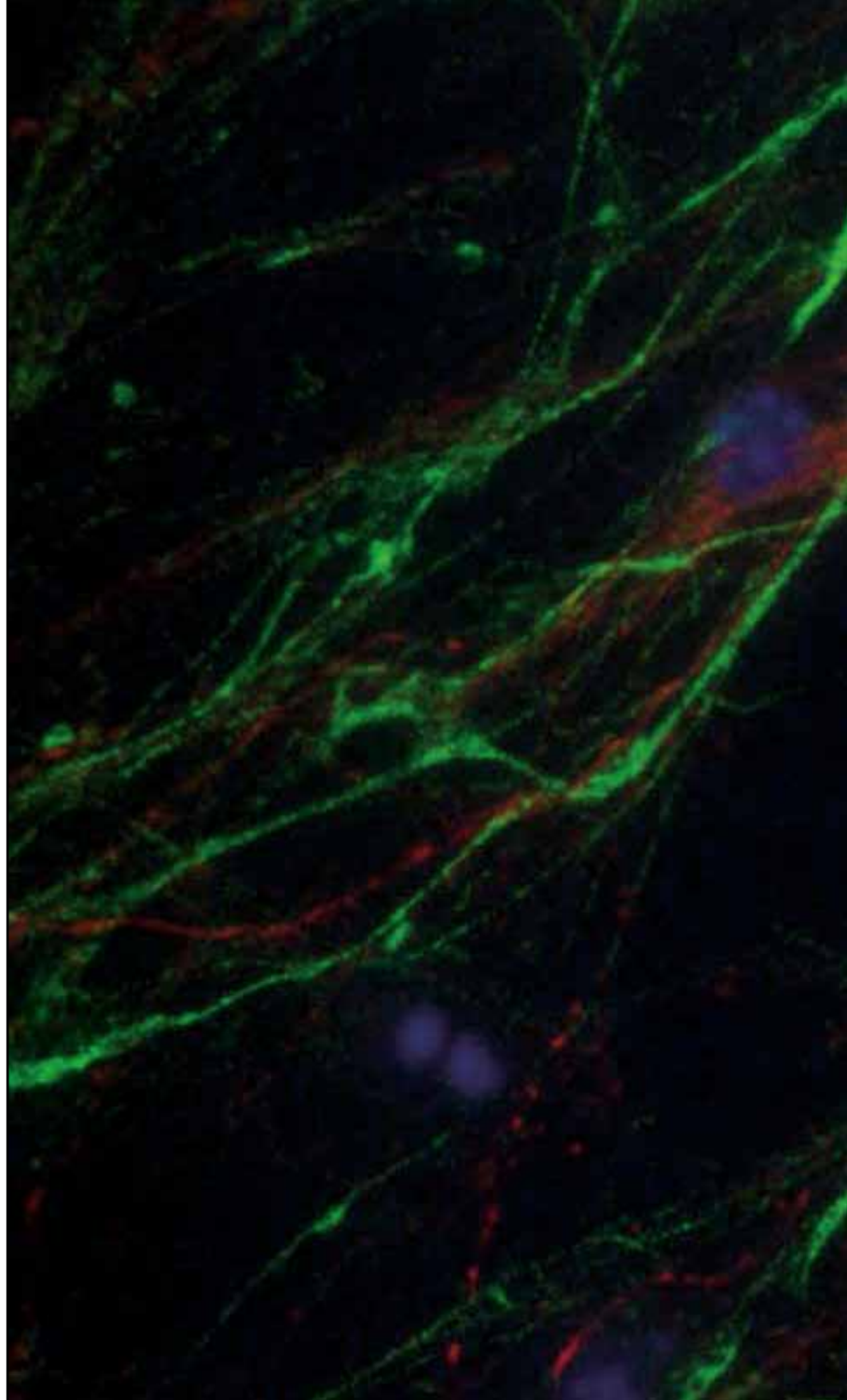
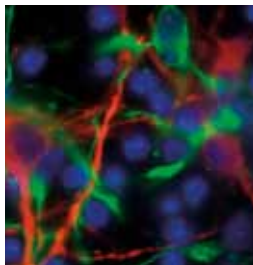
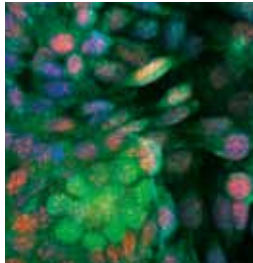
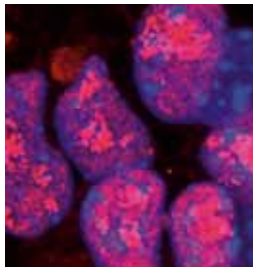
Contribution: Major advancements of the science and technology of nanocrystals and the development of hybrid multifunctional nanoparticles.

June 2007

PROF. HOWARD (CHAIM) CEDAR

Department of Developmental Biology and Cancer Research / Faculty of Medicine

Contribution: Pioneering the study of epigenetics and its role in human development.



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