The Norwegian Academy of Science and Letters
announces the

CALL FOR NOMINATIONS 2010

THE KAVLI PRIZE

For outstanding scientific research in:

ASTROPHYSICS • NANOSCIENCE • NEUROSCIENCE

Nomination deadline: December 15, 2009

Nominations will be reviewed by committees of leading international scientists appointed by:

The Norwegian Academy of Science and Letters
based on recommendations by:
The Chinese Academy of Sciences
The French Academy of Sciences
The Max Planck Society (Germany)
The National Academy of Sciences (US)
The Royal Society (UK)

The Kavli Prize will be awarded in Oslo in September 2010
and will consist of:

A GOLD MEDAL • US $1,000,000 • A SCROLL

For details about the nomination process see:

www.kavliprize.no

A partnership of:

THE NORWEGIAN MINISTRY OF EDUCATION AND RESEARCH

THE KAVLI FOUNDATION

THE NORWEGIAN ACADEMY OF SCIENCE AND LETTERS
In recent years, cell biology has enjoyed rapid growth and has gained critical attention in academia and industry. Advances in cellular analysis technologies such as microscopy, cytometry, and high content analysis are having profound effects on the fields of stem cells, cancer research, immunology, and drug discovery. As cellular analysis becomes more sophisticated and makes use of less invasive methods and more label-free, higher throughput and multiplexing capabilities, scientists are faced with new opportunities as well as new challenges. In this webinar, our panel of experts will talk about the rapidly changing face of cell biology, and explore how today’s advances will shape tomorrow’s discoveries.

**During this webinar we will:**
- Discuss the current state of cell biology research.
- Look at how new technologies are changing and enabling discoveries.
- Examine current and future challenges, such as problems associated with difficult-to-handle cell lines.
- Answer your questions live!

**Register Now!**

**Sign Up at:**
www.sciencemag.org/webinar

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**September 29, 2009**  
12 noon EST, 9 am PST, 4 pm GMT

**Participating Experts:**

**Marcie Glickson, Ph.D.**  
Harvard Center for Neurodiscovery  
Boston, MA

**Lars J. Brendén, Ph.D.**  
Yale University  
New Haven, CT

Third speaker to be announced.
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Richard Dickinson, Director of Operations, ERBI Ltd.

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Effective transfection of embryonic stem cells with Xfect Stem. ES-E14TG2a mES cells were transfected with pDsRed-Express2 using Xfect Stem. After 48 hr, transfection efficiency was assessed via flow cytometry (A) as well as by phase and fluorescence microscopy (B & C). As quantified by flow cytometric analysis, 93.9% of the stem cells were positive for DsRed-Express2 expression.
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Citrus cultivation is threatened by a very serious disease called Citrus Greening or Huanglongbing (HLB). Symptoms are latent, then become lethal. The spread and cause of HLB are associated with a phloem-feeding insect (Asian Citrus Psyllid) and a fastidious bacterium (Candidatus Liberibacter).

The Citrus Research and Development Foundation requests proposals focused on comprehensive methods of controlling psyllid transmission of disease.

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http://www.citrusgreening.org/

We need the brightest minds to quickly help us find the best solutions. Infectious disease has no boundaries. Neither does first-rate science.

Visit www.fcprac.com for details on awards and simplified program application instructions.
The Warren Alpert Foundation supports innovative individuals and organizations dedicated to understanding and curing disease through groundbreaking research, scholarship and service. Each fall the foundation hosts a signature symposium at which some of the world’s foremost physician-scientists and researchers receive one of the most prestigious awards in biomedicine.

**Congratulations 2008/2009 Warren Alpert Foundation Prize recipient**

**Lloyd M. Aiello, MD**

Clinical Professor of Ophthalmology
Harvard Medical School

Founding Director
Beetham Eye Institute,
Joslin Diabetes Center

Dr. Aiello pioneered the use of lasers to treat diabetic retinopathy and prevent blindness. As a leader of nationwide clinical trials of the technique known as photocoagulation, he set a new standard for diabetes care.

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**Distinguished prize recipients**

- **2007** Harald zur Hausen, DSc, MD; Lutz Gissmann, PhD
- **2006** H. Michael Shepard, PhD; Dennis Slamon, MD, PhD; Axel Ullrich, PhD; Robert Weinberg, PhD
- **2005** Judah Folkman, MD
- **2004** Susan Band Horwitz, PhD
- **2003** David V. Goeddel, PhD; Sidney Pestka, MD; Charles Weissmann, MD, PhD
- **2002** Alfred Sommer, MD, MHS
- **2001** Eugene Braunwald, MD; Barry Coller, MD
- **2000** David Baltimore, PhD; Owen N. Witte, MD; Alex Matter, MD; Nicholas B. Lyndon, PhD; Brian J. Druker, MD
- **1999** Akira Endo, PhD; Michael S. Brown, MD; Joseph L. Goldstein, MD
- **1998** K. Frank Austen, MD
- **1997** Robert Gallo, MD; Luc Montagnier, MD
- **1996** Leo Sachs, PhD, Hon MD; Donald Metcalf, MD
- **1995** John A. Clements, MD
- **1994** J. Robin Warren, MBBS; Barry J. Marshall, MBBS
- **1993** Stuart H. Orkin, MD
- **1992** Roscoe O. Brady, MD
- **1991** David W. Cushman, PhD; Miguel A. Ondetti, PhD
- **1989** Yuet Wai Kan, MD
- **1988** Louis M. Kunkel, PhD
- **1987** Kenneth Murray, PhD

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**Call for nominations for 2010**

**Deadline:** September 21, 2009

For details on eligibility, visit [warrenalpert.org](http://warrenalpert.org)

Prize recipients are selected by the Warren Alpert Foundation’s Scientific Advisory Board, comprised of internationally renowned biomedical scientists and chaired by Jeffrey S. Flier, Dean of the Faculty of Medicine, Harvard Medical School, Harvard University.
Raman Materials Characterization

OMNIC Spectra software was developed to improve the quality and ease of gathering sample information contained in Raman spectral data. The new software brings dependable, clear, and easy-to-understand results without challenging data preparation and interpretation. These capabilities allow customers to quickly improve analytical problem solving in forensic science, pharmaceutical, polymer, and research laboratories. Previously available only on Fourier transform infrared instruments, OMNIC Spectra for Raman spectroscopy is designed to achieve productivity and sensitivity improvements in fast-paced Raman laboratories that need to analyze the molecular composition of raw materials, production processes, and finished goods.

Thermo Fisher Scientific
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Millipore
For information 978-762-5170
www.millipore.com

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Alpha Innotech
For information 800-795-5556
www.alphainnotech.com

Laboratory Information Management System

The Labworks LIMS version 6.1 software now supports Labworks WebTop for web client access. The WebTop requires no installation of software on the client device. Labworks users can run the program from a wide variety of web browsers, including wireless devices. The program can be deployed with minimal user training. In today’s rapidly changing portable device market, it can protect users from hardware obsolescence. The software supports the unique needs of laboratories, from prelog-in sample organization through reporting and data distribution. A configurable workflow allows laboratories to focus on only those process steps that are relevant to a sample lifecycle, allowing greater control over resources without changing the way the laboratory operates.

PerkinElmer
For information 781-663-6900
www.perkinelmer.com

Capillary Isoelectric Focusing

A new peptide-based, isoelectric point (pl) kit, the Pl Marker Kit, is for the charge heterogeneity analysis of biotherapeutics based on advanced capillary isoelectric focusing techniques. The new synthetic pl calibrators attain high levels of precision in pl identification and isoform quantitation. They are packaged as a set containing markers for pl 4.1, 5.5, 6.7, 7.0, 9.5, and 10.0, each in sufficient quantity for 100 tests. The markers were developed for use on Beckman Coulter’s PA 800 and PA 800 plus capillary electrophoresis systems.

Beckman Coulter
For information 714-993-8955
www.beckmancoulter.com

Yeast Monitoring

The YC-1 Flow Chamber is designed for using time-lapse microscopy to monitor yeast cell growth in the presence of changing media. The unique flow cell of the YC-1 allows the user to seamlessly and rapidly change the liquid environment while observing yeast cell proliferation in a bidimensional manner over multiple cell cycles, all without cell washout. For use with inverted microscopes only, the YC-1 Flow Chamber offers models with resistive heating or Peltier temperature control options.

Warner Instruments
For information 800-599-4203
www.warnerinstruments.com

Flow Cytometry Kit

The Human/Mouse Embryonic Stem Cell 4-Color Flow Cytometry Kit contains four different fluorochrome-conjugated antibodies and corresponding isotype controls for single-step staining of human and mouse embryonic stem cells. The conjugated antibodies include anti-SOX2, anti-Oct-3/4, antiSSEA-1, and antiSSEA-4. The kit includes fixation, permeabilization, and wash buffers.

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