Learn how current events are impacting your work.

*Science*Insider, the new policy blog from the journal *Science*, is your source for breaking news and instant analysis from the nexus of politics and science.

Produced by an international team of science journalists, *Science*Insider offers hard-hitting coverage on a range of issues including climate change, bioterrorism, research funding, and more.

Before research happens at the bench, science policy is formulated in the halls of government. Make sure you understand how current events are impacting your work. Read *Science*Insider today.

www.ScienceInsider.org
The Norwegian Academy of Science and Letters announces the

2010 WINNERS OF

THE KAVLI PRIZE℠

Eight scientists whose discoveries have dramatically expanded human understanding in the fields of astrophysics, nanoscience and neuroscience have been recognized with the award of the million-dollar Kavli Prizes.

The laureates were chosen for research that has transformed our knowledge of basic units of matter, laid the foundations for the field of nanotechnology, revealed the molecular basis for the transfer of brain signals and other physiological functions, and made possible the building of telescopes that can see deeper into space and further back in time.

The Kavli Prize is a partnership between The Norwegian Academy of Science and Letters, The Kavli Foundation℠ (US) and The Norwegian Ministry of Education and Research.

HM King Harald presents the Kavli Prize to the 2010 Laureates on September 7, 2010 at a ceremony in Oslo.

THE KAVLI PRIZE IN ASTROPHYSICS

JERRY E. NELSON
Professor,
Lick Observatory,
UC Santa Cruz, US

RAYMOND N. WILSON
Senior Physicist,
European Southern Observatory,
Germany

JAMES ROGER PRIOR ANGEL
Professor,
Steward Observatory,
University of Arizona, US

“for their contributions to the development of giant telescopes”

THE KAVLI PRIZE IN NANOSCIENCE

DONALD M. EIGLER
IBM Fellow,
IBM Almaden Research Center, US

NADRIAN C. SEEMAN
Professor,
New York University, US

“for their development of unprecedented methods to control matter on the nanoscale”

THE KAVLI PRIZE IN NEUROSCIENCE

RICHARD H. SCHELLER
Executive Vice President,
Genentech Research & Early Development, US

THOMAS C. SÜDHOF
Professor,
Stanford University, US

JAMES E. ROTHSAN
Professor,
Yale University, US

“for discovering the molecular basis of neurotransmitter release”

To learn more about The Kavli Prize℠ please visit
www.kavliprize.no
www.kavlfoundation.org
Imagine standing on the podium at the Grand Hotel in Stockholm, making your acceptance speech for the GE & Science Prize for Young Life Scientists. Imagine having your essay read by your peers around the world. Imagine discussing your work in a seminar with other prize winners and Nobel Laureates. Imagine what you could do with the $25,000 prize money. Now stop imagining. If you were awarded your Ph.D. in molecular biology in 2009, then submit your 1000-word essay by August 1, and you can make it reality.

Want to build a better reality? Go to www.gescienceprize.org
Dialysis so easy you’ll be hooked.

You’ll never use anything else again. The new Thermo Scientific Slide-A-Lyzer G2 Dialysis Cassettes enable simple, effective dialysis without the hassle of conventional tubing.

• New top-loading port for pipetting or two side ports for syringe injecting
• Secure – sample stays inside the chamber with unique locking top cap design; built-in buoy means no need for floats
• 95% sample recovery – gives you maximum dialysis of even the smallest samples (0.5 to 70 ml) – available with 2K, 3.5K, 7K, 10K and 20K MWCO membranes
• Stands on lab benchtop for easy viewing and handling

To learn more, visit www.thermo.com/pierce or call +1 815-968-0747 or 800-874-3723. Outside the U.S., contact your local distributor.

Moving science forward
Introducing *Science Translational Medicine*, a new, weekly journal from AAAS focused on applications of basic research knowledge to improve human health.

The goal of *Science Translational Medicine* is simple: help the scientific community harness decades of progress in research at the basic level and translate these biological discoveries into medical advances.

*Science Translational Medicine* publishes:
- Peer-reviewed primary research papers
- Perspectives and reviews on research from basic science and clinical viewpoints
- Survey of recent literature and findings in other journals
- Commentary on policy, funding, regulatory issues, and more

As a AAAS member, add *Science Translational Medicine* access for over 60% off of the regular price. Subscribe in any of these ways:
- go to ScienceTranslationalMedicine.org
- call 202-326-6417
- mail or fax this form with your payment to 202-842-1065

Site-wide access available for your institution today.
Contact STM@aaas.org or call 866-265-4152

---

Subscribe now □ Yes, I want a one-year subscription to *Science Translational Medicine*.

**AAAS member price – US$50 online only; US$205 print and online** (add US$50 for non-US delivery)

AAAS membership number required _____________________________

**Nonmember price – US$150 online only; US$450 print and online** (add US$50 for non-US delivery)

Name ____________________________________________

Address ________________________________________

City ____________________________________________

State/Province ___________________________________

Zip/Postal Code __________________________________

Country _________________________________________

E-mail __________________________________________

(required for subscription activation)

Phone __________________________________________

---

Payment
- □ Check (payable to AAAS – *Science Translational Medicine*)
- □ Charge my: [ ] VISA  [ ] MasterCard  [ ] American Express

Card Number______________________________________

Expiration Date____________________________________

Signature_________________________________________

Date_____________________________________________

If paying by credit card, you may FAST FAX your order to 202-842-1065 (US) or +44 (0) 1223 326 535 (outside US)
GrantsNet. The first comprehensive science grants database.

GrantsNet is expanding its listings of some 900 funding programs from private foundations and not-for-profit organizations to include 400 to 500 new entries from the grants.gov site. This provides the first comprehensive database of funding opportunities to research scientists and administrators, career counselors, financial aid specialists, and undergraduate and graduate students. For listings, go to www.grantsnet.org
TUBE LOCKING MECHANISM

Snap Tube is a proven mechanism that enables sample storage tubes to be securely locked into storage racks. Snap Tube can be securely locked onto sample storage tubes by applying downward pressure on tubes in a storage rack. To unlock, the user applies gentle upward pressure, and the tubes are free again to be handled by an automated tube picking system. Available on all new Micronic Roborack, StaboRack, and Loborack storage racks, Snap Tube ensures that samples in noncoded, alphanumeric, and two-dimensional coded tubes are kept secure during transport or storage.

Microptic
For info: 724-941-6411 | www.micronic.com

CHEMILUMINESCENT DETECTION OF HYDROGEN PEROXIDE

Lumigen HyPerBlu is a novel chemiluminescent substrate that enables direct detection of hydrogen peroxide. Combining a broad dynamic range with a bright, sustained chemiluminescence, the ready-to-use reagent offers convenience for high throughput screening laboratories. The reaction of the substrate with hydrogen peroxide rapidly generates sustained high-intensity luminescence in solution assays. Direct detection increases accuracy and simplifies data analysis. When coupled with oxidases, the reagent also allows reliable, one-step, indirect detection of oxidases or their substrates.

Beckman Coulter
For info: 714-961-6436 | www.beckmancoulter.com

ENERGY-EFFICIENT POWER SUPPLIES

New power supplies for NewClassic balances are fully Energy Star compliant. They are lighter, smaller, and more efficient in order to save energy and money for users of Mettler Toledo balances. Suitable for every weighing need, the NewClassic MS is a workhorse that features durability and ease of operation. A high-quality metal housing offers reliable protection and is resistant to chemicals. A redesigned user interface allows for intuitive operation. A high-contrast display enhances user friendliness by allowing error-free reading of results.

Mettler Toledo
For info: 800-638-8537 | www.mt.com

PHOTOMANIPULATION SYSTEM

The cell^FRAP system offers fast and easy real-time photobleaching and photomanipulation experiments with hardware-based device synchronization. Applications include fluorescence recovery after photobleaching (FRAP), fluorescence loss in photobleaching (FLIP), fluorescence localization after photobleaching (FLAP), pattern bleaching, photoactivation, and photoconversion. This flexible system also delivers simultaneous laser manipulation and observation at the click of a button. Intelligent scanning algorithms target only the region of interest (ROI) remove the need for line scanning between ROIs and therefore increase the scan speed. The system makes it possible to undertake simultaneous photobleaching and image acquisition of multiple ROIs. It can be used for a range of applications from simple to advanced.

Olympus
For info: +49-40-2-37-73-5426 | www.microscopy.olympus.eu

CUSTOM BEADCHIP

An enhancement to the recently announced OmniExpress BeadChip, the HumanOmniExpress+ Custom BeadChip allows for the addition of up to 200,000 custom variants for a total of 900,000 variants per sample. OmniExpress+ leverages the proven iSelect custom genotyping infrastructure to provide researchers with unlimited flexibility in adding custom content for disease or pathway-specific markers, rare variants from the 1,000 Genomes Project, or panels for fine-mapping onto optimal sets of single nucleotide polymorphisms.

Illumina
For info: 800-809-4666 | www.illumina.com/OmniExpress

FLUORESCENCE ACTIVITY KITS

The DetectX Acetylcholinesterase (AChE) and Butyrylcholinesterase (BChE) Fluorescence Activity kits are simple, sensitive kits that measure AChE and BChE activity in a wide variety of samples. The kits contain everything needed to measure activity, including microplates. The reactions are initiated by the addition of a substrate and a fluorescent reporter. After a 20-minute incubation, the signal is read at 510 nm. The activity can also be read kinetically.

Arbor Assays
For info: 734-677-1774 | www.ArborAssays.com
Call for Papers

Science Signaling

Science Signaling, from the publisher of Science, AAAS, features top-notch, peer-reviewed, original research weekly. Submit your manuscripts in the following areas of cellular regulation:

- Biochemistry
- Bioinformatics
- Cell Biology
- Development
- Immunology
- Microbiology
- Molecular Biology
- Neuroscience
- Pharmacology
- Physiology and Medicine
- Systems Biology

Science Signaling is indexed in CrossRef and MEDLINE.

Submit your research at: www.sciencesignaling.org/about/help/research.dtl

Subscribing to the weekly Science Signaling ensures that you and your lab have the latest cell signaling resources. For more information visit www.ScienceSignaling.org
I need quality antibodies with guaranteed performance. Can you help?

Let us be your knight in shining armor!
We’ll deliver quality antibodies validated to perform; and even protect your purchase with expert technical support and a satisfaction guarantee.

That’s what’s in it for you. EMD Chemicals

Don’t worry. You’re protected with our No-Risk Antibody Guarantee. Join thousands of researchers who have used our antibodies for over thirty years – risk free! Try any antibody and if you don’t achieve the specified results, we’ll give you a full credit.

Plus, we have a dedicated antibody concierge team on call ready to assist you. Who says chivalry is dead? To learn more about our No-Risk Antibody Guarantee, visit www.emdbiosciences.com/noriskab