FOUR CATEGORIES. WHICH ONE IS YOURS?

Apply for the Science & SciLifeLab Prize for Young Scientists — an annual prize awarded to early-career scientists. The prize is presented in four categories: Cell and Molecular Biology, Genomics and Proteomics, Ecology and Environment, and Translational Medicine.

The winners will have their essays published by Science, win up to USD 30,000 and be invited to a week in Sweden to attend the award ceremony. Get ready for a life-changing moment in your scientific career.

SCIENCEPRIZE.SCILIFELAB.SE
Publish your research in *Science Immunology*

*Science Immunology* publishes original, peer-reviewed, science-based research articles that report critical advances in all areas of immunological research, including important new tools and techniques.

For more information: ScienceImmunology.org
2017 Winner
Flavio Donato, Ph.D.
Kavli Institute
Norwegian University of Science and Technology

For research on how neural networks mature during development to represent space in the brain

Eppendorf & Science Prize for Neurobiology
The annual Eppendorf & Science Prize for Neurobiology is an international award which honors young scientists for their outstanding contributions to neurobiological research based on methods of molecular and cell biology. The winner and finalists are selected by a committee of independent scientists, chaired by Science’s Senior Editor, Dr. Peter Stern. To be eligible, you must be 35 years of age or younger.

As the Grand Prize Winner, you could be next to receive
> Prize money of US$25,000
> Publication of your work in Science
> Full support to attend the Prize Ceremony held in conjunction with the Annual Meeting of the Society for Neuroscience in the USA
> 10-year AAAS membership and online subscription to Science
> Complimentary products worth US$1,000 from Eppendorf
> An invitation to visit Eppendorf in Hamburg, Germany

It’s easy to apply! Learn more at:

www.eppendorf.com/prize
Exceptional scientists wanted

Present your work to the world

Are you a representative of the upcoming generation of thought leaders in your field? Together we look forward to your application for the new Sartorius & Science Prize for Regenerative Medicine & Cell Therapy.

Apply now!
www.passionforscience.com/prize

The Sartorius & Science Prize for Regenerative Medicine & Cell Therapy

Awarded by sartorius Science
Gel-Imaging System
The InGenius3 gel documentation system is ideal for laboratories looking for a versatile, budget-friendly platform to accurately image both DNA and protein gels. It features a 3-megapixel CCD camera integrated to a compact, light-tight darkroom, and overhead Epi-LED white lighting for perfect gel positioning. The small darkroom has a slide-out drawer that can accommodate UV, blue, and white lighting options, allowing users the flexibility to image fluorescent and visibly stained gels. The system can be connected to the laboratory’s choice of PC and is controlled by protocol-driven GeneSys software, which selects the best combination of filters and lighting available, making it easy to detect nanogram amounts of DNA and protein on gels of up to 20 cm x 20 cm.
Syngene
For info: 800-686-4407
www.syngene.com/gel-documentation-and-analysis-ingeniuss

Multispecies Toxicokinetic and Pharmacokinetic Kits
The Gyrolab Generic Toxicokinetic (TK) Kit adds to a growing menu of ready-to-use kits, and allows researchers to more efficiently quantify human therapeutic antibodies (IgG) in automated, nanoliter-scale Gyrolab xP and Gyrolab xPlore systems. The TK Kit complements the Gyrolab Generic Pharmacokinetic (PK) Kit, introduced in 2017 and based on the same reagents. The TK Kit addresses a higher concentration range than the PK Kit, making it more suited to toxicokinetic studies. Together, these kits more fully meet the needs of Gyrolab system users performing PK/TK assays in preclinical and clinical studies, and enable increased productivity, generating results in just 70 min. The two kits cover a combined range of 5 logs, minimizing dilution steps and repeats when performing human IgG quantification during early biotherapeutic development. They are designed for use with several species of preclinical animal models, including mouse and cynomolgus monkey.
Gyros Protein Technologies
For info: 800-477-6834
www.gyrosproteintechnologies.com

Protein Stain
InstantBlue is a ready-to-use Coomassie protein stain for polyacrylamide gels. Its unique mechanism of action stains proteins in 15 min, while leaving a clear background and eliminating the need to fix, wash, or destain. InstantBlue uses a one-step protocol and can be fully destained using standard procedures. Its acetic acid-free formulation doesn’t methylate or acetylate protein during staining, making it fully compatible with mass spectrometry. InstantBlue is nontoxic and sink-disposable due to its methanol-free composition. Other stains require solvent-disposal procedures and can require microwaving, which produces dangerous fumes. The lack of methanol also means no gel shrinkage. Only 25 mL per mini-gel allows you to use less of the product. InstantBlue will stain at least 40 mini-gels per bottle.
Innova Biosciences
For info: 855-466-6821
www.innovabiosciences.com

Single Quadrupole Mass Spectrometer
The Thermo Scientific ISQ EC single quadrupole mass spectrometer seamlessly integrates with ion chromatography or liquid chromatography systems, so both novices and experts can quickly master mass spectrometry (MS) and get more information from every sample. Embedded in the spectrometer’s instrument control is the Chromelon Chromatography Data Software (CDS) platform, which enables users to minimize time spent on new MS user training. The ISQ EC also provides exceptional robustness, enabling users to analyze a range of simple and complex sample matrices.
Thermo Fisher Scientific
For info: 800-955-6288
www.thermofisher.com

SLE Microplate
Porvair Sciences’ easy-to-use 96-well Supported Liquid Extraction (SLE) microplate is designed for high-recovery extraction of analytes from biological fluids such as blood, plasma, and serum. SLE is a separation technique in which the aqueous sample is immobilized on an inert support (such as diatomaceous earth), and the organic phase flows through the support, eliminating problems such as emulsion formation. The plate provides fast, reproducible, and economical sample cleanup when used with a simple vacuum manifold or positive pressure device. Its proprietary frit technology ensures samples will not drip or break through until the pressure or vacuum devices are applied, allowing longer dwell time in the plate wells. The SLE plate is the perfect sample cleanup device for physiological fluids prior to analysis by liquid chromatography/mass spectrometry. It has also been particularly helpful to environmental, food, and textile labs involved in sample cleanup prior to analysis.
Porvair Sciences
For info: +44-(0)-1978-666222
www.porvair-sciences.com

Double-Staining Immunofluorescence Kit
The VectaFluor Duett kit offers convenient, ready-to-use immunofluorescence double labeling. This kit is ideal for use on a wide range of frozen and FFPE tissue samples, combining primary and secondary antibodies to significantly streamline workflow. The kit includes a secondary reagent to detect mouse and rat primary antibodies with green and red DyLight fluorescent dyes and a normal blocking serum. With VectaFluor Duett, one protocol replaces several and reduces preparation time—in some cases by as much as a day or more.
Vector Laboratories
For info: 800-227-6666
vectorlabs.com

Electronically submit your new product description or product literature information! Go to www.sciencemag.org/about/new-products-section for more information.

Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and governmental organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by Science or AAAS of any products or materials mentioned is not implied. Additional information may be obtained from the manufacturer or supplier.
want new technologies?

antibodies
apoptosis
biomarkers
cancer
cytometry
data
diseases
DNA
epigenetics
genomics
immunotherapies
medicine
microbiomics
microfluidics
microscopy
neuroscience
proteomics
sequencing
toxicology
transcriptomics

watch our webinars

Learn about the latest break-throughs, new technologies, and ground-breaking research in a variety of fields. Our expert speakers explain their quality research to you and answer questions submitted by live viewers.

VIEW NOW!
webinar.sciencemag.org

Science
AAAS

Brought to you by the Science/AAAS Custom Publishing Office

@SciMagWebinars
GMP-Grade Growth Factors

The Widest Selection for

- Cell Manufacturing
- Immunotherapy
- Regenerative Medicine
- Stem Cell Therapy

Learn more | rndsystems.com/gmp