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# BENCHMARKS

THE COMMUNITY NEWSLETTER OF THE ROCKEFELLER UNIVERSITY

FRIDAY, APRIL 19, 2013

## ANNOUNCEMENTS

**Bring your child to work.** In celebration of national Take Your Child to Work Day, Human Resources will host activities for 8- to 12-year-olds from 9 a.m. to 3 p.m. on April 25. Children must be registered by April 19 and must be accompanied by an adult to attend. Space is limited. For more information, call x8300 or e-mail Brittany Regis at [bregis@rockefeller.edu](mailto:bregis@rockefeller.edu).

**Lewis Thomas Prize ceremony on June 5.** Kay Redfield Jamison, Dalió Family Professor in Mood Disorders at The Johns Hopkins University School of Medicine, is the recipient of the 2012 Lewis Thomas Prize for Writing about Science. Her award lecture, “Touched with Fire: Mood Disorders and Creativity,” will be held in Caspary Auditorium at 6:30 p.m., and will be preceded by a reception in Abby Aldrich Rockefeller Lounge at 5:30 p.m. For more information, contact Lindsey Cole at x8183 or [lcoble@rockefeller.edu](mailto:lcoble@rockefeller.edu).

**Convocation is June 13.** Eighteen students will receive Ph.D.s at this year’s Convocation. In addition, four honorary degrees will be awarded, to Rockefeller professors Günter Blobel and Paul Greengard and university benefactors James and Marilyn Simons. Events include:

**2:30 p.m.** Academic Procession from Weiss to Caspary Auditorium; all are encouraged to gather along the route.

**3 p.m.** Convocation, Caspary Auditorium.

**5 p.m.** Reception, Peggy Rockefeller Plaza; all are welcome.

For more information, contact Lindsey Cole at x8183 or [lcoble@rockefeller.edu](mailto:lcoble@rockefeller.edu).

**Take advantage of new perks.** Human Resources has added a number of new items to their list of employee perks: Big Bear Ziplines, Central Park Sightseeing, Stone Barns Center for Food and Agriculture and Asphalt Green are among the organizations offering discounts of 10 to 50 percent. For a complete list, visit [inside.rockefeller.edu/hr](http://inside.rockefeller.edu/hr).

Announcements for this page may be submitted to [lhurch@rockefeller.edu](mailto:lhurch@rockefeller.edu).

## CAMPUS NEWS

## Welch Hall reopens as library and student center

by ZACH VEILLEUX



**Room and board.** Welch Hall’s newly restored Great Hall, on the first floor, ready for the March meeting of the Board of Trustees.

After nearly five years of construction, the final piece of the north campus modernization process is now complete and opens to the campus this month. The Welch Hall refurbishment, which began in January 2011, has finished on time and on budget and will link the north and south parts of

the Rockefeller campus together with a twenty-first century library outfitted with grand study spaces and state-of-the-art meeting rooms.

“Although the smallest of the CRC-related projects, this was also the most complex,” says George Candler, associate

vice president for planning and construction. “The site was difficult to access and the historic nature of the building required that we take great care to preserve certain elements of the structure even as we carried out a major overhaul.”

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## FACULTY PROMOTIONS

## Howard Hang promoted to associate professor

by ZACH VEILLEUX

Howard Hang, a chemist who works to develop new tools for the study of host-pathogen interactions, has been promoted to associate professor. The promotion was approved by the university’s Board of Trustees at its recent meeting and is effective as of January 1. Dr. Hang is Richard E. Salomon Family Associate Professor and head of the Laboratory of Chemical Biology and Microbial Pathogenesis.

Dr. Hang joined the university in 2007 with the goal of understanding how immune cells deal with invading microbes and how successful pathogens subvert these host defense mechanisms. Since microbial pathogens interact with host membranes during infection, he focused on posttranslational modifications that regulate the activity of membrane proteins in immune cells. By developing innovative chemical biology methods, his laboratory has discovered that many proteins involved in host immunity to viruses and bacteria are regulated by fatty acid modifications.

“We are very excited about these discoveries, which suggest that the strength and specificity of immune responses may be directly linked to fatty acid metabolism and protein modification,” says Dr. Hang.

He has since been working on how the attachment of fatty acids to proteins is regulated in immune cells and determining whether microbial pathogens interfere with this important lipid modification during infection to cause disease.

Looking ahead, Dr. Hang hopes to identify specific host and pathogen factors that regulate fatty acid modifications and develop new strategies to control immune responses to harmful microbes.

“Howard’s work has shed new light on some of what occurs behind the scenes when the immune system responds to pathogens such as influenza viruses and salmonella,” says Marc Tessier-Lavigne, the university’s president. “His discoveries have opened up a new line of inquiry that may turn out to have important implications in immunology and microbiology. I look forward to seeing where this research leads as Howard embarks on the next chapter of his career.”

Dr. Hang, trained as a chemist, received his undergraduate degree from the University of California, Santa Cruz, and his Ph.D. from the University of California, Berkeley, with Carolyn Bertozzi. As a postdoc, he worked on innate and adaptive



immunity under Hidde Ploegh at the Harvard Medical School and at the Whitehead Institute for Biomedical Research.

Dr. Hang is a recipient of the Irma T. Hirschl/Monique Weill-Caulier Trust Research Award (2007) and the Ellison Medical Foundation New Scholar Award in Aging (2008). He was a Damon Runyon Cancer Research Foundation postdoctoral fellow while at Harvard.

## BENCHMARKS

**Marc Tessier-Lavigne**, President  
**Jane Rendall**, Corporate Secretary  
**Joe Bonner**, Director of Communications

**Zach Veilleux**, Executive Editor  
**Leslie Church**, Assistant Editor

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# New security initiatives focus on “active shooter” threat

by ZACH VEILLEUX

New training for guards, additional shifts at 66th Street, community outreach initiatives and more restrictive access controls are among improvements being made to campus security with an eye toward preventing an “active shooter” incident like those that have caused mass casualties in Newtown, Connecticut and Aurora, Colorado and at Virginia Tech in recent years.

“Active shooter situations have been discussed extensively in the law enforcement and private security communities since long before these high-profile events occurred,” says Jim Rogers, director of security. “But media coverage surrounding the recent incidents serves as a reminder to the community that these situations do occur, and that it’s up to all of us to be prepared.”

Community outreach initiatives led by the security office include training sessions for lab and department heads, led by NYPD personnel, as well as the development of brochures and a Web site. Because active shooter incidents develop quickly, the information focuses on options for reacting to a shooter before responders arrive, and on recognizing signs of potential workplace violence. Suspicious persons or behavior, as well as disabled or nonfunctional card-readers and door locks should be reported to Security.

An additional security enhancement has been to staff the university’s main gate with two guards rather than one during business hours. “This is to help ensure that even at the busiest times of day, when numerous pedestrians and vehicles are entering, every

person can be checked,” says Mr. Rogers. The extra shifts were added last summer.

The Security office has also implemented new procedures for ensuring that access permissions linked to ID cards are kept up-to-date, particularly in sensitive areas such as the Collaborative Biosciences Center and the Child and Family Center.

“This works both ways,” says Michael

Murphy, director of security operations, who manages the access control system that provides entry to 534 card-reader equipped doors. “We want to make sure that people who move or change positions are purged from the system, but also that everybody who needs access to a particular area has it, so that there is no need to prop open doors, share ID cards or circumvent the system.”

In parts of the campus where two different facilities share a building, such as Sophie Fricke and GSR, which contain both housing and CFC classrooms, additional card readers have been installed to better control access to specific floors.

For more information about active shooter threats, see [www.rockefeller.edu/security/shooter](http://www.rockefeller.edu/security/shooter).

## Theft of networking equipment is caught on video

A moving company employee working on campus in November is suspected of stealing over \$25,000 worth of fiber optic networking equipment from a locked closet in Smith Hall. He was arrested on January 18 after Security personnel presented NYPD detectives from the 19th Precinct with video evidence and card-reader logs showing he accessed the closet as many as nine times over a few days, and removed items from it.

The incident first came to light when David Seay, a university network engineer, noticed the equipment was missing. He notified Security, which reviewed logs from the university’s access control system to determine who had been in the area. One name stuck out: that of a moving company employee who had been issued a contractor ID card a few weeks earlier. The employee was one of several from the company who were moving lab equipment from the Rockefeller Research Building into newly opened space in Flexner Hall; to facilitate the move the cards were programmed to allow access to space throughout Flexner and Smith Halls as well as RRB.

A security camera located on the B level of Smith Hall clearly shows the door to the network closet. Armed with the timestamps from the card-reader logs, Security personnel quick-

ly identified the mover and noted several occasions when he entered the closet empty-handed and exited either carrying items or concealing his movements. In one instance, an accomplice appears to have assisted by momentarily blocking the camera’s view with cardboard as he exits. The suspect had no legitimate need to access the closet as part of moving operations.

“The camera caught him leaving the room with a box of network switches worth approximately \$25,000,” says Michael Murphy, director of operations in Security. “We provided the evidence to NYPD detectives who then conducted their own investigation and charged him with felony grand larceny.” The suspect was arrested at the 19th Precinct. He has pled not guilty and is currently free on bail.

Security suspects the same individual of taking some 25 toner cartridges worth around \$2,000. The cartridges, which are commonly stolen for their high resale value, were reported missing around the same time from labs and offices in both Smith and RRB.

The moving company involved has been replaced and Security has updated its procedures to ensure that contractors receive key-card access to only the specific rooms they need.

# Scientists displaced by Sandy take refuge at Rockefeller

by LESLIE CHURCH

When Hurricane Sandy hit New York City, Susan Zolla-Pazner thought her lab would be fine. On the 18th floor of the Veterans Affairs Hospital at First Avenue and 23rd Street, the lab wasn’t in danger of flooding. But when millions of gallons of water surged over the banks of the East River and into the basements of First Avenue buildings, power outages shut down the whole block. And the 18 flights of elevation that had protected Dr. Zolla-Pazner’s delicate equipment and specimens became a test of willpower as she and her lab members were forced to haul 50-pound blocks of dry ice up each grueling step.

“We went into emergency mode. Our incubators were dead; our freezers were dead. We knew we lost cultures,” says the HIV and tuberculosis researcher at the NYU School of Medicine. “I’ve been working on AIDS there since the beginning of the epidemic. These are irreplaceable specimens.”

Dr. Zolla-Pazner is one of 24 NYU School of Medicine scientists who have found a temporary home at Rockefeller in the wake of Sandy. NYU researchers have taken up unoccupied spaces on campus and in some cases have signed leases and expect to be here for several more months. While the NYU Langone Medical Center reopened in January, many of the research buildings are still shuttered while crews rewire the electrical systems.

After learning of the power outage, Dr. Zolla-Pazner called around for dry ice, and landed at a party supply store. They only had 350 pounds left — cleaned out by Halloween parties set to take place that week. She bought it all, and when more came in, she bought that too. In total, her lab members and their friends carried more than 1,000 pounds to the top-floor lab.

“It was a remarkable show of teamwork and determination,” says Dr. Zolla-Pazner. “We were able to keep the contents of 19 freezers and 15 liquid nitrogen tanks frozen for five days until they could be moved out of the lab. We saved the majority of our work.”



**Science on ice.** With the power out in the wake of Sandy, NYU lab members struggle to preserve scientific samples with dry ice, hauling it up multiple flights of stairs one bin at a time.

Dr. Zolla-Pazner shipped many of her specimens to an out-of-state company that stores scientific material, but she still needed a place to work. She contacted Michel C. Nussenzweig, a friend and collaborator, and asked if Rockefeller had any space available. By coordinating with personnel from Rockefeller’s Plant Operations, Research Support and Academic Affairs offices, the university identified several vacant spaces that could be used to house researchers in need. In Dr. Zolla-Pazner’s case, the space is right down the hall from Dr. Nussenzweig, in an area in Smith Hall formerly occupied by Ralph Steinman’s lab. Although Dr. Zolla-Pazner’s HIV collaborators have been split up over nine locations, making their work more challenging, she can see a silver lining. “It turned into something very positive in terms of collaboration,” she says. “We exchange reagents with Michel’s lab, share antibodies, get help from each other with different technologies. That wouldn’t have happened otherwise.”

“We are happy to facilitate these researchers’ work because they are part of our community and they needed the help,” says

Amy Wilkerson, associate vice president for research support. “We would hope that our sister institutions would do the same for us.”

Heran Darwin, a tuberculosis researcher at the NYU School of Medicine, reached out to Charles M. Rice, an old friend and head of the Laboratory of Virology and Infectious Disease at Rockefeller, because she needed more than a standard lab space. To continue her work on *M. tuberculosis*, Dr. Darwin needed a biosafety level 3 facility. The university has both in vitro and in vivo facilities.

“It was a lucky break for us that this space was available. Initially I just thought we’d bring a few reagents up and hang out for a few weeks, but we’ve been here since December,” says Dr. Darwin, who decided to move her entire lab and its contents here and says they lost about \$20,000 of scientific material. Her lab will remain at Rockefeller until December.

“Fortunately, Rockefeller is one of the most amazing places in the world, scientifically. We’re able to do the same quality work that we were doing before. Plus this is hallowed ground for scientists. I’m sort of treating it like a sabbatical.”

# CRC auditorium is named for Russ Carson

by ZACH VEILLEUX

For the first time since 1958, there’s a new auditorium in town. The CRC auditorium, the last piece of the Collaborative Research Center to be finished, opened January 25, and has been named the Carson Family Auditorium in honor of Russ Carson, chair of the university’s Board of Trustees, and his family.

“The members of the Executive Committee of the university’s Board of Trustees and I conferred, and we unanimously agreed to recognize Russ and Judy Carson, and their family, for their extraordinary commitment to Rockefeller by having the CRC Auditorium bear their name,” says Marc Tessier-Lavigne, the university’s president.

Mr. Carson has been involved with the university for almost three decades and, as chair, spearheaded the creation of the Collaborative Research Center. “Though he has made many generous gifts to advance the university in its mission, he has never sought to name anything for himself,” says Dr. Tessier-Lavigne. “It took some persuading before Russ agreed to let us honor him in this way.”

Judy Carson serves on the Rockefeller University Council and has been involved in the leadership of the university’s *Women & Science* initiative since it was founded 15 years ago.

The new auditorium, which seats 200, is located on the B level of the Greenberg Building and features a three-camera video conferencing and event recording system. It has a generous seat pitch that allows people to get in and out of their seats without disturbing their neighbors, and has features that allow it to easily accommodate both audience members and speakers with disabilities.

The facility will be used for internal campus events such as the faculty candidate seminars, for which the 430-seat Caspary Auditorium is too large.



# Frozen in time: Flexner’s historic lab re-opens with early inventions on display

by LESLIE CHURCH

The \$50 million renovation, originally proposed in 2004, was postponed after the university’s finances unexpectedly worsened in 2008 as a result of the international economic downturn, but it was later given the go-ahead. By proceeding with the Welch Hall project concurrently with the renovation of Flexner Hall, the university was able to realize some savings and to minimize disruption to the community.

Much of the funding was provided by a gift from Trustee Robert Bass and his wife Anne, made in 2010, as well as from a gift made by the estate of Rita Markus, after whom the university’s library is named. In honor of the Bass’s contribution, the university has established the Anne T. and Robert M. Bass Center for Community Life. The building will function in many ways as a student center — a type of facility that, because of its roots as a research institution, the university has never had.

The centerpiece of the new Welch Hall is a historically accurate refurbishment of the second floor reading room, a grand space with sweeping views of the East River. The paneling, shelves, furniture, ceiling and elaborate chandeliers have been painstakingly cleaned and repaired, and the original cork floor has been replaced with new cork custom cut to match the original pattern. Central air conditioning has been installed. And at the north end, a new coffee lounge, featuring hot drinks, current periodicals and a wall-mounted TV, has been created in an area formerly devoted to library stacks. Eight public access computers are available in the main reading room.

On the first floor, Welch’s Great Hall, which at one time served as the university’s dining and lecture hall, has been restored and updated with a top-of-the-line audio-visual system. It will now be used for lectures, board meetings and special university events. The adjacent North Room, most recently used as an IT training room, and the former Audubon Room, known for the famous prints on display, have been re-furnished and equipped for use as meeting spaces. On this floor and throughout the building, original furniture, reupholstered and restored, has been returned to use wherever possible. Details such as doors, windows and light fixtures have been reused or custom built to match the building’s original design.

Below, on the A and B levels, previously derelict space has been opened up to house library stacks, study areas and meeting rooms. The A level now hosts a fully equipped classroom outfitted with laptops and video conferencing capabilities that can be reserved for training and seminars. The B level includes a room dedicated to use by first-year graduate students to provide them with a “home base” in the Bass Center. Modern compact shelving on the B level houses one-half of the library’s book collections.

Throughout the building renovation process, the university followed LEED (Leadership in Energy and Environmental Design) recommendations — using eco-friendly materials and sourcing from within a 500-mile radius — and is aiming to earn LEED Gold certification.

Outdoors, two garden areas, to the north and south of Welch Hall, have been refurbished and landscaped and will be available for use by the community. The gardens are accessible from the new open-air campus connector that runs from Flexner Hall to Nurses Residence (during special events they can also be accessed via the first floor of Welch). A new ramp from the main driveway to the campus connector enhances accessibility to both Welch and Founder’s Hall, as well as the campus tunnels.

“Welch Hall, which for decades was the intellectual heart of Rockefeller University’s scientific community, is one of the most historically significant buildings on campus,” says Marc Tessier-Lavigne, the university’s president. “With the completion of this renovation, the infrastructure of this 1929 Beaux-Arts building has been entirely rebuilt, yet the building’s distinctive architectural features have been preserved. This improvement to our campus, developed under the Paul Nurse administration, is superb, and I hope everyone will enjoy this magnificent space.”

The Rita and Frits Marcus Library, the building’s primary occupant, will be staffed and open to the campus community and guests from 9 a.m. to 5 p.m. daily, with 24-hour access available to community members with ID cards. Members of the community may check out books using one of two self-service kiosks. Study areas and small group rooms on the A and B levels will be accessible to Rockefeller ID holders via card-reader.

“The library, which has long been a vital part of the university’s academic culture, is now better suited to the needs of a twenty-first century research institution, just as our renovated laboratories are,” says Carol Feltes, the university’s librarian. “We have new quiet areas for reading and study, and comfortable, modern meeting rooms for small groups. These areas will serve as a campus ‘home,’ away from the labs, for our students and postdocs. We look forward to welcoming the community into this fantastic new space.”

Mid-sized meeting rooms in the building will be available to reserve via the online room reservation and calendar system, after policies governing their use are reviewed and approved by the Academic Council this month. Small group rooms may be reserved through the library.

You don’t always know you’re making history when it’s happening. But it’s a good idea to hang on to all the evidence, just in case. That’s exactly what Merrill W. Chase did when he began collecting instruments invented at Rockefeller throughout the twentieth century. And it’s what led the university to preserve a piece of Flexner Hall when the latest renovations started in 2010.

A newly reconstructed historic lab in Flexner will feature some of the more than 300 instruments that Dr. Chase, who joined the university in 1932, collected in his 70-plus years here. Housed on Flexner’s first floor, the lab also contains benches, bookshelves and fixtures dating as far back as the building’s construction in the early twentieth century.

The idea for the lab started in the 1990s, when the

and green checkered floor were redone to mimic the building’s original design. The room is speckled with sculpture-like glass instruments so delicate that it’s hard to believe they were used in experiments at all.

Lined up in a row on one shelf are seven glass perfusion pumps invented by Rockefeller’s Alexis Carrel and the aviator Charles Lindbergh. The pumps, dated to the 1930s, were used in animal experiments to keep whole organs alive outside of the body. Mr. Lindbergh’s sister-in-law had heart problems that were untreatable because technology at the time did not allow for organs to be removed and preserved during surgery. The pumps are precursors of the heart-lung machines used in open heart surgery beginning in the 1950s.

“The progress of science depends on the invention and



**If these walls could talk.** The historic lab on the first floor of Flexner features benches, fume hoods (above, right) and other lab equipment from the 1950s. Carrel-Lindbergh perfusion pumps (above, left), invented by a Rockefeller scientist and manufactured in the university’s former glassblowing shop, are among the instruments on display.



PHOTOS: ZACH VELLEUX

sixth floor of Flexner was converted to offices for emeritus professors. The university thought it would be a good idea to keep one of the labs — Lyman C. Craig’s — intact, and Peter Sellers, curator of the Chase collection, started keeping instruments in it. When designs for the new Flexner were laid out, the move to the first floor seemed obvious.

“We think this is a great part of the building’s history, and we wanted it to be more prominent,” says George Candler, associate vice president for planning and construction. “We kept pieces from several of Flexner’s labs and stored them offsite until most of the construction was done.”

The new space has been outfitted with large windows so that passerby can get a glimpse into what a lab looked like in the early twentieth century. Before plastic.

“The university had a glassblowing shop, a woodworking shop and a machine shop,” says editor and author Carol Moberg, a senior research associate in the Steinman laboratory. “The scientists would get together with the master craftsmen and create tools to solve problems. The glasswork is especially beautiful.”

Almost everything in the lab — from the fume hoods to the air and gas nozzles to the heavy stone bench tops that are twice as thick as the modern ones — comes from the old Flexner labs. Only the ceiling lamps and the retro black

refinement of tools and techniques,” says Dr. Moberg. “As the technology gets more sophisticated, it can answer more questions.”

Other instruments on display include a small hand-operated glass prototype of a countercurrent distribution apparatus developed by Dr. Craig; a Pyrex conductivity cell, designed by Theodore Shedlovsky, for studying the conductance of concentrated solutions; and an angle centrifuge, adapted from a Swedish design, developed by Rockefeller instrument maker Josef Blum in the 1930s.

Currently open for viewing only by appointment, the lab debuted in February with an exhibit on R. Bruce Merrifield, the Rockefeller scientist who won a Nobel Prize in Chemistry in 1984 for the development of solid phase peptide synthesis. The lab currently features instruments discussed in Dr. Moberg’s recent book, *Entering an Unseen World*, which explores the legacy of a Rockefeller lab that helped create the field of modern cell biology.

“We have an amazing history here,” says Olga Nilova, outreach and special collections librarian. “It’s important for us to preserve it and also to share it with the scientists who are here today. It reminds them of the value of the work they’re doing right now.”

To make an appointment to go inside the lab, contact Dr. Moberg or Ms. Nilova.



# MILESTONES

## PROMOTIONS, AWARDS AND PERSONNEL NEWS

### Awarded:

**C. David Allis**, a \$1 million grant from the Starr Foundation’s Sixth Starr Cancer Consortium Grant Competition to investigate epigenetic contributions to the development of pediatric gliomas. Dr. Allis is the Joy and Jack Fishman Professor and head of the Laboratory of Chromatin Biology and Epigenetics.

**Cori Bargmann** and **Titia de Lange**, two of the first annual Breakthrough Prizes in Life Sciences, \$3 million prizes established by six tech entrepreneurs dedicated to advancing breakthrough research. Dr. Bargmann, the Torsten N. Wiesel Professor, head of the Lulu and Anthony Wang Laboratory of Neural Circuits and Behavior and a Howard Hughes Medical Institute investigator, is recognized for her work on the genetics of neural circuits and behavior, and synaptic guidepost molecules. Dr. de Lange, Leon Hess Professor and head of the Laboratory of Cell Biology and Genetics, is recognized for research on telomeres, illuminating how they protect chromosome ends and their role in genome instability in cancer.

**Teresa Davoli**, the Harold M. Weintraub Graduate Student Award, one of the country’s most prestigious graduate student prizes, for her studies of a new mechanism of tetraploidization that is induced by dysfunctional telomeres. Ms. Davoli is a graduate student in Titia de Lange’s Laboratory of Cell Biology and Genetics who will receive her degree this June. The award recipients will participate in a scientific symposium at the Fred Hutchinson Cancer Research Center in Seattle in May, and will receive an honorarium from the Weintraub and Groudine Fund.

**Jeffrey M. Friedman**, The King Faisal International Prize in Medicine from the Saudi Arabian King Faisal Foundation. The prize recognizes Dr. Friedman’s discovery of the leptin pathway and its role in regulating body weight. Dr. Friedman is the Marilyn M. Simpson Professor and head of the Laboratory of Molecular Genetics as well as a Howard Hughes Medical Institute investigator. He shares the prize with Douglas Coleman, emeritus scientist at the Jackson Laboratory.

**Jeffrey M. Friedman**, the BBVA Frontier of Knowledge Award in Biomedicine from the BBVA Foundation, based in Bilbao, Spain. Dr. Friedman shares the prize with Dr. Coleman.

**Elaine Fuchs**, the Albert M. Kligman/Philip Frost Leadership Lecture Award, given in acknowledgement of significant contributions to the understanding of structure and function of skin. The award includes a \$25,000 honorarium and will be presented at the meetings of the International Society of Investigative Dermatology in Edinburgh, Scotland in May. Dr. Fuchs is the Rebecca C. Lancefield Professor and head of the Laboratory of Mammalian Cell Biology and Development at Rockefeller, and is a Howard Hughes Medical Institute investigator.

**Elaine Fuchs**, the Robert J. and Claire Passarow Foundation Medical Research Award in Cancer Research, which honors extraordinary achievement, creativity and distinction in cancer, cardiovascular disease and neuropsychiatry research. Dr. Fuchs will receive \$20,000 to support ongoing research on the molecular mechanisms of skin stem cells, how they make and repair tissues and how cancers develop. She shares the prize with Richard Peto of the University of Oxford and Matthew P. Scott of Stanford University.

**Emil C. Gotschlich**, the 2013 Maurice Hilleman/Merck Award from the American Society for Microbiology, for his groundbreaking work that established the science of modern vaccinology and led to the creation of successful vaccines. The award includes a \$20,000 prize and is named in honor of Maurice Hilleman, who helped save many lives through his work in the development of vaccines. Dr. Gotschlich is R. Gwin Follis-Chevron Professor Emeritus and consulting senior physician emeritus at The Rockefeller University Hospital.

**Bruce S. McEwen**, the William James Lifetime Achievement Award for Basic Research from the Association for Psychological Science. The award, which is the association’s highest honor, recognizes a lifetime of significant intellectual contributions to the basic

science of psychology. It will be presented in honor of the association’s 25th anniversary, and commends Dr. McEwen as one whose work has had a profound impact on the field of psychological science over the past quarter century. Dr. McEwen is the Alfred E. Mirsky Professor and head of the Harold and Margaret Milliken Hatch Laboratory of Neuroendocrinology.

**Vanessa Ruta**, a 2012 Sloan Research Fellowship of \$50,000 to further her research on how neural circuits are modified by experience. Dr. Ruta is assistant professor and head of the Laboratory of Neurophysiology and Behavior. The two-year fellowships, from the Alfred P. Sloan Foundation, are given to early-career researchers who show promise as the next generation of scientific leaders.

**Julia Sliwa**, the Award for Young Researchers from the Bettencourt Schueller Foundation in France. The €25,000 award recognizes doctoral research in the life sciences, work that Dr. Sliwa conducted at the Center for Cognitive Neuroscience in Lyon. She joined Winrich Freiwald’s Laboratory of Neural Systems as a postdoctoral fellow in 2012.

**Michael W. Young**, the 12th annual Wiley Prize in Biomedical Sciences, along with colleagues Jeffrey Hall and Michael Rosbash of Brandeis University, for their discovery of the molecular mechanisms governing circadian rhythm. Dr. Young is the Richard and Jeanne Fisher Professor and head of the Laboratory of Genetics. The award includes a \$35,000 prize and was presented in April at Rockefeller.

### Named:

**Jesse Ausubel**, the 2012 National Champion of the Ocean by Monmouth University in New Jersey. Announced at the 8th annual Future of the Ocean Symposium and Champions of the Ocean Awards Luncheon, the honor recognizes the work of Mr. Ausubel’s Census of Marine Life initiative, a global network of researchers in more than 80 nations that aims to assess and explain the diversity, distribution and abundance of marine life. Mr. Ausubel is senior research associate and director of the Program for the Human Environment.

### Hired:

**Marlon Almonte**, helpdesk and computer support specialist, Information Technology.  
**Anja Armache**, postdoctoral associate, Allis Lab.  
**Victor Baez**, associate cook, Hospital Bionutrition.  
**Annette Becker**, postdoctoral associate, Tarakhovsky Lab.  
**Martin Blaser**, member of the adjunct faculty, Collier Lab.  
**Angel Noel Cardenas**, cage card compliance assistant, Comparative Bioscience Center.  
**Andrea Chiricozzi**, visiting fellow, Krueger Lab.  
**Xi Chu**, visiting student, Pfaff Lab.  
**Eleanor Clowney**, postdoctoral associate, Ruta Lab.

### Named:

A new species of protozoan, *Staurojoenina mulleri*, in honor of professor emeritus **Miklós Müller**. The organism, which is found in hindgut of North American termites, was discovered by Patrick J. Keeling of the University of British Columbia and his colleagues. An electron micrograph of *S. mulleri* (right) was featured on the cover of *The Journal of Eukaryotic Microbiology* this spring and will also be part of a permanent exhibit opening in April at the Exploratorium in San Francisco. “This species is named in honor of professor Miklós Müller, a pioneer of parabasal research, whose work transformed our understanding of their biochemistry and evolution, and who has been a longtime mentor and supporter of parabasal researchers,” Dr. Keeling and his colleagues wrote.

**Hannah Cohen**, human resources assistant, Human Resources.  
**Lindsey Cole**, assistant director of outreach programming and events, Development.  
**Alan Curry**, research specialist, Program for the Human Environment.  
**Erika Custer**, administrative assistant, Greengard Lab.  
**Tali Czarnowicki**, instructor in clinical investigation, Krueger Lab.  
**Annunziata Dattola**, postdoctoral fellow, Krueger Lab.  
**Sarah de Jong**, postdoctoral associate, Casanova Lab.  
**Karolin Pia Dosenovic**, postdoctoral fellow, Nussenzweig Lab.  
**Laura Duvall**, postdoctoral associate, Voss hall Lab.  
**Sara Eriksson**, foreign research intern, Pfaff Lab.  
**Christine Espiritu**, research specialist, Rice Lab.  
**Aitor Garcia**, postdoctoral fellow, Tuschl Lab.  
**Yejing Ge**, postdoctoral associate, Fuchs Lab.  
**Caroline Gleason**, research assistant, Simon Lab.  
**Benjamin Greenbaum**, visiting fellow, Leibler Lab.  
**Oscar Greenberg**, member of the adjunct faculty, Khuri Lab.  
**Tomomi Haremakei**, research associate, Brivanlou Lab.  
**Michael Heke**, senior research associate, Brivanlou Lab.  
**Makoto Ishii**, member of the adjunct faculty, Friedman Lab.  
**Amelia Kahaney**, laboratory administrator, Tarakhovsky Lab.  
**Emma Karnsund**, foreign research intern, Pfaff Lab.  
**Wolfgang Keil**, postdoctoral fellow, Siggia Lab.  
**Ryan Kim**, research associate, Tarakhovsky Lab.  
**Kathryn Kistler**, research assistant, Voss hall Lab.  
**Erica Korb**, postdoctoral associate, Allis Lab.  
**Maksim Kutuzov**, database administrator, Information Technology.  
**Victor Laboy**, campus security officer, Security.  
**Andrea Leinberger-Jabari**, community engagement specialist, Hospital Clinical Research Office.  
**Leandro Lemgruber Soares**, research support specialist, Electron Microscopy Resource Center.  
**Shu Li**, research assistant, Brivanlou Lab.  
**Romain Libbrecht**, postdoctoral fellow, Kronauer Lab.  
**Anna Lindh**, visiting student, McEwen Lab.  
**Jesper Lofgren**, foreign research intern, Pfaff Lab.  
**Oshane Lord**, laboratory helper, Stebbins Lab.  
**Janet Markle**, postdoctoral associate, Casanova Lab.  
**Steven Martinez**, cashier, Finance Accounting Services.  
**Daniel Montiel**, postdoctoral associate, Brady Lab.

**Virginia Pedicord**, postdoctoral associate, Hang Lab.  
**Alena Powell**, administrative coordinator, Office of Academic Affairs.  
**Teodoro Pulvirenti**, scientific editor, Rockefeller University Press.  
**Johan Rudling**, foreign research intern, Pfaff Lab.  
**Roy Saado**, visiting student, McEwen Lab.  
**Erin Salb**, senior manuscript coordinator, JCB, Rockefeller University Press.  
**Jeremy Segal**, member of the adjunct faculty, Fuchs Lab.  
**Ataman Sendoel**, postdoctoral associate, Fuchs Lab.  
**Caroline Sferrazza**, research assistant, Heintz Lab.  
**Zhen Shen**, postdoctoral associate, Roeder Lab.  
**Bernardo Tavora**, postdoctoral associate, Tavazoie Lab.  
**Nesibe Temiz**, foreign research intern, Freiwald Lab.  
**Michael Tomasini**, postdoctoral associate, Simon Lab.  
**Priyanka Verma**, postdoctoral associate, Kapoor Lab.  
**Vikram Vijayan**, postdoctoral associate, Maimon Lab.  
**Guillaume Vogt**, member of the adjunct faculty, Casanova Lab.  
**Christoph von Beeren**, postdoctoral fellow, Kronauer Lab.  
**Lotta von Boehmer**, postdoctoral fellow, Nussenzweig Lab.  
**Gunnar von Heijne**, visiting professor, MacKinnon Lab.  
**Weiwei Wang**, postdoctoral associate, MacKinnon Lab.  
**Ethan Weinberg**, visiting fellow, Tavazoie Lab.  
**Kinga Winczura**, visiting student, Rout Lab.  
**Valerie Yanofsky**, visiting medical student, Krueger Lab.  
**Jianping Zhang**, bioinformatics specialist, Greengard Lab.

### Promoted (academic appointments):

**Guo-Qing Chang**, to senior research associate, Leibowitz Lab.  
**Howard Hang**, to associate professor and head of laboratory, Hang Lab.  
**Thomas Huber**, to research assistant professor, Sakmar Lab.  
**Alexander Ploss**, to research associate professor, Rice Lab.  
**Christine Trumpfheller**, to research assistant professor, Nussenzweig Lab.  
**Shen-Ying Zhang**, to assistant professor of clinical investigation, Casanova Lab.

This publication lists new hires, awards and promotions. Staff promotions are listed yearly; academic promotions and appointments are listed monthly.

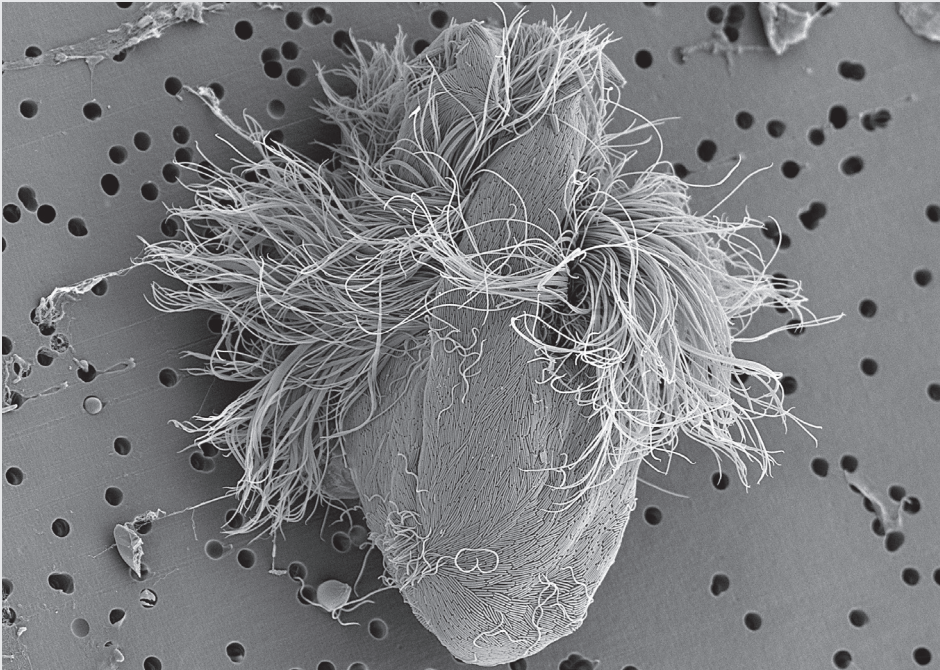


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