

Rockefeller University

**Digital Commons @ RU**

---

News and Notes 1999

The Rockefeller University News and Notes

---

9-17-1999

## **NEWS AND NOTES 1999, VOL. 10, NO. 2**

The Rockefeller University

Follow this and additional works at: [https://digitalcommons.rockefeller.edu/news\\_and\\_notes\\_1999](https://digitalcommons.rockefeller.edu/news_and_notes_1999)

---

## Hospital 5-year GCRC grant renewed



GCRC Program Director James G. Krueger (left), Hospital Administrative Manager Susan Richer (center) and Vice President for Medical Sciences Emil Gotschlich worked together to secure renewed NIH funding that links clinical observation to laboratory investigation. *Photo by Pavani Thagirisa.*

The National Center for Research Resources (NCRR) of the National Institutes of Health (NIH) will renew its five-year General Clinical Research Center (GCRC) grant to the Rockefeller University Hospital, ensuring that the institution will receive NIH funding through 2004. Although the size of the grant has not been finalized, the GCRC informed the hospital in July that its application had received a favorable evaluation, and an August summary statement offered strong praise for the clinical investigations taking place at the facility.

"We are gratified that NIH recognizes the stellar level of research that is conducted at the Rockefeller University

Hospital," Vice President for Medical Sciences Emil Gotschlich says. "Knowing that we are funded for the next five years allows us to move forward with many important initiatives. The Hospital is going to increase its involvement with the research pursuits of the university."

The Hospital submitted its grant in February, and a site visit team of 16 visited the facility in April. The NIH representatives reviewed the Hospital's scientific programs, its organizational structure, its budget and the physical facility. The overall objective of such visits is to confirm that NIH funds will be devoted to high-quality science. An NCRR National Advisory Research Resources Council meeting in September

will finalize the level of funding to be apportioned to the hospital.

The August summary statement commended both the scientific and the administrative aspects of the Hospital. The clinical investigators were hailed for the quality of their research and their contributions to clinical medicine. The statement also praised the hospital's administrative GCRC staff for its dedication and those working in bionutrition and nursing. Overall, the Hospital was extolled for its strong institutional commitment.

"Renewal of this grant once again validates the importance of research that links clinical observation to laboratory investigation," Associate Professor James G. Krueger, program director of the Hospital's GCRC, says. "Continuity is very important to a hospital dedicated to research, and this grant ensures we that can plan and complete important long-term studies."

The RU Hospital, which opened in 1910, fostered the emergence of the clinical investigator, who serves as a link between the practicing physician and the basic scientist. The 40-bed inpatient and outpatient facility has been at the center of this century's most dramatic achievements in the fight against disease. It served as a model for the Warren G. Magnuson Clinical Center at the National Institutes of Health (NIH), opened in 1953, and similar facilities supported by federal funding at more than 75 U.S. medical centers.

## Today's Friday lecture is cancelled



Professor Leonard Guarente's scheduled Friday lecture is postponed due to bad weather conditions.

The Friday lecture today (Sept. 17) has been cancelled because of bad weather. Leonard Guarente, a biology professor at the Massachusetts Institute of Technology (MIT), was to have discussed "The Molecular Analysis of Aging," which RU will try to reschedule. As his title suggests, Guarente studies the molecular mechanisms that cause aging, using model systems of yeast and mice, which have relevance to aging in humans. His lab also studies the premature aging disease Werner's Syndrome.

In yeast, the SIR complex regulates the pace of aging. Mutations that knock out SIR genes accelerate aging, and a dominant mutation called SIR4-42 slows aging. The key event in aging is the generation of an rDNA cycle by homologous recombination; SIR2 plays the key role of repressing recombination in the rDNA and extending life span. In addition, the SIR complex plays a key role in the repair of DNA breaks.

Guarente's lab has cloned a mouse SIR2 homolog and is generating knock-out and over-expressed strains. To examine changes in aging in various mutant mice, they are developing a chip array assay for changes in gene expression as a function of age. The idea is to find patterns of changes that are characteristic for the chronological age of wild-type animals. To determine whether mutations affect aging, the lab will compare chronological age and the chip profile.

In humans, Werner's Syndrome is caused by mutations in the WRN gene. Guarente's lab is taking three approaches to understanding this disease: First, they knocked out the yeast homolog SGS1 and observed premature aging in mother cells; these studies may shed light on the molecular defect in WS and normal aging. Second, the lab is determining the cellular location of WRN and its homologs. Third, the lab knocked out the mouse WRN homolog and found that the mice involved are viable and, so far, show no acceleration of aging.

## New VP Alice Lustig talks about RU's future

Alice Lustig took over as executive vice president and chief operating officer of Rockefeller University on Wed., Sept. 1. Lustig joined the university last fall as special assistant to the president, and she worked closely with the faculty and President Levine in developing the new Academic Plan and charting the university's future direction. The Public Affairs staff had a conversation with Lustig in late August about Rockefeller's strengths and some of its challenges for the coming years.

*Public Affairs: How has your transition from Princeton University to Rockefeller been?*

Alice Lustig: I came to Rockefeller last December with a set of positive perceptions and wonderful expectations. And after nine months here, these still hold true: Rockefeller is at the forefront of the biomedical sciences, and as we move into the 21st century, we have an opportunity to make an impact on the direc-

tion of scientific inquiry, on the expansion of knowledge, and on the quality of the lives of individuals.

In coming to Rockefeller I felt that I could draw on my experiences in biomedical research and bring them to a more challenging and broader platform—the level of a major research university. And the fact that Rockefeller appointed Arnold Levine, a scientist trained in the modern era of molecular biology with exciting ideas about the future, was a major consideration for me in coming here. I have had a wonderful working relationship with Levine. I am very much in agreement with his vision, leadership style and values.

*PA: Now that you are here, what have you found?*

AL: When you come from the outside, you may look at an institution a little differently than someone who has been part of the culture. During the past sev-

see **Lustig interview**, page 3

## Highlights of RU Summer Research

Dozens of new research papers from Rockefeller University are published each month. *News & Notes* covers only a fraction of them during the academic calendar year and none over the summer. To keep the community more up-to-date with research activities, we've compiled highlights of summer scientific publishing at Rockefeller.

**August 27**—Professor and HHMI Investigator Thomas Sakmar, in collaboration with a UC-Berkeley colleague, has proposed a new theory on how the human eye perceives colors. Using techniques of molecular biology and spectroscopy, the research, reported in the August issue of *Trends in Biochemical Sciences*, changes the way scientists have thought about color vision for nearly 20 years.

**August 13**—Two genes critical to the immune system's adaptability in bat-

see **Summer research**, page 2

2	Research highlights
3	Lustig interview
4	Calendar

# Petra Lang to open Peggy Rockefeller Concert Series Sept. 22

Mezzo-soprano Petra Lang will fly to New York from her native Germany to perform a special opening-night recital in the Peggy Rockefeller Concert Series in Caspary Auditorium at 8 p.m. on Wed., Sept. 22. Lang is filling in for the announced soprano, Hei-Kyung Hong, who cancelled because of illness, and for Ruxandra Donose, the announced substitute, who had a problem with travel documents. Lang will be accompanied by pianist Dennis Helmrich.

The *New York Times* said about Lang's performance last year in Weill Recital Hall: "The rich, unfolding color of her middle-high register is a dream, and she can project thrilling, confident radiance. Her singing was beautifully adapted to the scale of the hall... A voice like this is rare and a joy, but what is even more special about Ms. Lang is her freshness and willingness to take risks... She has an exciting future."

"This concert has set a record of sorts," says Associate Professor George Reeke, concert presenter. "It is the first time in my memory that an artist scheduled for opening night of the concert season has cancelled, and certainly the



German mezzo-soprano Petra Lang will perform at the first Peggy Rockefeller concert on Sept. 22.

first time that a substitute artist then also cancelled, although not before we put her name on all the tickets at the last minute.

"However, I consider Rockefeller University and the Peggy Rockefeller series fortunate that Lang was available. I heard her recital at Weill Hall, and I can say without hesitation that this is one of the richest voices and one of the most moving singers I have ever heard."

The recital will feature an all-German program of songs by Max Reger, Schumann, Wagner, and Richard Strauss.

## Plaza construction advances: Completion scheduled for late 1999



The plaza construction progressed over the summer, with the infrastructure for a raised plaza level, tree grove and fountain area with an accompanying grass slope to the entrance of Weiss taking shape. Photo by Pavani Thagirisa.

### Summer research, continued from page 1

tlung viruses, bacteria and other invaders receive on and off signals from a single DNA segment, RU Professor and HHMI investigator Michel Nussenzweig and colleagues reported in *Science*. The discovery explains how the two genes work in concert and hints at how the genes have managed to remain partners for more than 450 million years since they first appeared in cartilaginous fish as part of an adaptive immune system.

**July 15**—A single injection of specialized immune system cells—removed from the bloodstream and exposed to a foreign substance—can trigger a potent immune response in humans that lasts for months, reported a team of RU researchers led by Associate Professor Nina Bhardwaj in the *Journal of Clinical Investigation*. The experiment provides the first conclusive evidence that one dose of dendritic cells can prompt a strong immune response, and it suggests new ways of improving vaccines and protecting against cancer.

**July 2**—Many of the body's cells need a reliable flow of potassium to perform their regular tasks. One key to potassium flow, now revealed to researchers,

appears to be the energetic effect of a pool of approximately 50 water molecules and four protein spirals that sit in the middle of a narrow channel embedded within cell membranes. RU's and HHMI's Roderick MacKinnon, with colleague Benoit Roux at the University of Montreal, arrived at this conclusion after calculating the electrical forces operating at the center of the so-called potassium channel. This mathematical analysis in *Science* follows MacKinnon's team's determination of the three-dimensional structure of a potassium channel, which was named a breakthrough of the year by *Science*.

**June 25**—A team at Rockefeller University led by Associate Professor Sanford Simon and researchers at Michigan State University identified a biochemical mechanism that may cause the potentially life-threatening side-effects associated with the use of the anti-breast cancer drug tamoxifen, and has recommended steps to reduce the danger. The findings were reported in the *Journal of Biological Chemistry*.

**May 28**—Researchers at Rockefeller University, including Associate Professors Marjorie Russel and Simon, have shown for the first time that a protein called pIV forms a hole in the outer membrane of the bacterium *E. coli* to allow passage of large molecules. The finding reported in *Science* may allow researchers to exploit the bacterium's Achilles' heel to deliver better antibiotics.

### RU Artistic?

The Human Resources Office is calling for submissions of painting, sculpture and photography for a special exhibit of employee artists. The works selected will be hung in the RU library this autumn and will be a featured part of the university's annual Employee Recognition events.

Campus artists should submit up to three slides or photographs of their works to Kate Drake or Ron Kurtz in Human Resources by Mon., Oct. 4. Please do not send your original artworks; artists selected for the show will be contacted in October and will be consulted about how best to display their works.

This exhibition is the first of a series of programs Human Resources is creating to recognize the talents of the workers on the RU campus. For additional information, please contact Drake, x8300, or Kurtz, x8303.

## Potpourri

### GSRA Seminar

Deborah Meyers from TIAA-CREF will be on campus Wed., Sept. 29 to present the Group Supplemental Retirement Annuities Seminar. The seminar will provide important information to both current and prospective participants. The seminar will be held twice in 301 Weiss from 11:45 a.m. to 12:45 p.m. and from 1 p.m. to 2 p.m. All are welcome. Please call Human Resources, x8300 with questions.

### Visa Lottery

Fifty thousand immigrant visas will be offered in a lottery run by the U.S. Department of State. The filing period is from noon Mon., Oct. 4, 1999 until noon Wed., Nov. 3, 1999 and is open to natives of most countries around the world. (Only 14 countries are excluded from the lottery.) For detailed instructions about the lottery, visit the Office of Human Resources, 103 Founder's Hall.

### Abby Dining Room

The Abby Dining Room will reopen its buffet lunch on Tues., Sept. 21.

### Telecommunications

The latest edition of the Manhattan white pages is available at the Telecommunications office in B-1 Smith Hall between 9 a.m. and 5 p.m.

### Tri-Institutional Noon Recitals

The first Tri-Institutional Noon Recital will be held Fri., Sept. 24.

### Security

Security can be reached from anywhere on campus by dialing x8295. In the event of an emergency dial x1111.

### The Ninth Medical Complex Art Show

All faculty, staff and students of RU, MSKCC, NYPH, NYPGH Care Network, Weill Medical College and Graduate School of Medical Sciences and HSS are encouraged to submit paintings, photographs, computer-generated art, sculpture, ceramics and handicrafts. The Ninth Medical Complex Art Show, sponsored by Weill Cornell Medical Library, will open in late October and run through January 2000. Submit up to six slides or photographs until Fri., Oct. 8 to Helen-Ann Brown, Cornell Medical Library (C-115), 1300 York Ave., New York, NY 10021-4896. Call 746-6092 or e-mail habronw@mail.med.cornell.edu with your comments and questions.

### Theatre Tickets Available

Human Resources has a limited number of reduced price tickets to two of the hottest plays of last season.

"It Ain't Nothin' but the Blues" is a rollicking, raise-the-roof musical salute to American's greatest jazz and blues artists. Tickets are available for Fri., Sept. 24 at 8 p.m. Ticket prices are \$21.30.

"Wit" won the 1999 Pulitzer Prize for Drama and now stars Judith Light in the title role. Tickets are available for Sat., Sept. 25 at 8 p.m. Ticket prices are \$15.30. Call Ron Kurtz in Human Resources, x8303 to reserve tickets.

news&notes is published each Friday throughout the academic year by The Rockefeller University, 1230 York Avenue, New York, NY 10021-6399. Phone: 212-327-8967. [http://www.rockefeller.edu/pubinfo/news\\_notes.html](http://www.rockefeller.edu/pubinfo/news_notes.html)



**Arnold J. Levine**, President  
**Mariellen Gallagher**, Vice President of Communications and Public Affairs  
**Joseph Bonner**, Director of Communications  
**Lisa Stillman**, Associate Director, Media Relations

**Lynn Love**, Editor  
**Jim Stallard**, Science Writer  
**Media Resource Service Center**, Pre-press and Offset

Ideas and submissions can be sent interoffice (Box 68), by electronic mail (newsno), or by fax (212-327-7876).

Copyright, 1999. The Rockefeller University. For permission to quote or reprint material from this newsletter, please contact the editor. The Rockefeller University is an equal opportunity/affirmative action employer.

Lustig interview, continued from page 1

eral months I had an opportunity to meet one-on-one with the scientists. It has been a wonderful education; the faculty were great mentors to me. The historical achievements of Rockefeller are well known and the idea that Rockefeller is and will continue to be a great institution is virtually a given.

What was instructive was to learn about the interdisciplinary nature of the science here—the interactions among the scientists and the bringing together of approaches from many disciplines to answer questions in the biomedical world. For example, I learned of Brian Chait's collaborations with Stephen Burley, Andrej Sali, Jim Darnell, and Rod MacKinnon. And Terry Gaasterland is another example of a person who is bringing disciplines together—with bioinformatics. In addition, it is fascinating how the chemists and physicists at RU are partnering with the biomedical scientists.

I also learned how much the faculty care about the institution as a whole, not just their own science, lab or lab group. They are willing to work to serve the university—to sit on committees, to be

AL: I have looked at the organizational and administrative structure of the university. We have a very talented group of individuals supporting our research and teaching mission. I would like to see this infrastructure, our management style, mirror a style that I see in science in general. It is a style that says we're team-based, we're collaborative, we're integrated. Everybody has something to contribute and everybody understands the goals and mission. Arnie and I will be working on getting a lot of administrative departments interacting, being involved in collaborative ways, with lots of cross-communication and cross-fertilization. There isn't any group here that can do its job well if it's working in isolation. It should be easier to implement a more collaborative management style at Rockefeller because we have such a powerful model in the sciences already that reflects our mission.

I believe that executives, managers and administrators, should take the Hippocratic oath—"first, do no harm"—because good management is to not do harm in terms of bureaucracy, rules,



Alice Lustig (center) spoke to a packed hallway reception at the dedication of Professor Mary Jeanne Kreek's (center left) new, renovated lab in Flexner Hall in early June. Photo by Robert Reichert.

## “The challenge is how to build on the achievements of Rockefeller, and go forward in creative new ways. Maintaining the status quo in science is going backwards.”

part of the mission in a much larger context. It was good for me to hear this directly from the faculty.

It was also important for me to ask the scientists what made them come here and what makes them want to stay. I was curious to know if they felt they could do their best work here. Every one of them said that they are here because they are free to do any science they want. They told me: “I can take any risk, ask any question, change my field if I want. I am completely free to ask the questions I want to ask and I am not burdened by a lot of administrative responsibilities.”

Passion is another important aspect of scientific work here. Every scientist I met with has a passion for science that comes through very clearly. One way that the faculty here are going to work well with Levine is that he, too, has a passion for science. Rockefeller is an institution where people have their priorities straight: we're going to do great science, we're going to train great students and postdocs and we're going to have a real influence on the future of science.

PA: What other things have you noticed since being here?

obstacles, obstructions. Good management means to lead, facilitate, support, motivate and encourage—even when difficult and challenging decisions must be made. Our infrastructure should reflect this philosophy.

When I first came to Rockefeller and got involved in working on the academic plan with Arnie and the faculty, I realized that we have all this momentum for the science, but we had not articulated a plan for bringing the infrastructure along with it. I want to work on helping to create that plan. We should be asking “is our organization sufficient to support the changing needs of science in the next century?”

PA: When you were at Princeton you were influential in building fantastic facilities. Do you have plans for facilities here?

AL: Space in biomedical research is crucial. It is important to have really good space to do cutting-edge science; it's important to build an environment where scientists can interact, have serendipitous meetings. In many ways science is an oral culture; it's about communication.

At Princeton we had a rare opportunity to build several buildings and we

had the ability to design them and make them work the way we wanted them to. We also had the opportunity to renovate buildings and laboratory space and incorporate our ideas and philosophy on the use of space to support science.

As we look at the Academic Plan and think about bringing 15 to 25 new scientists on this campus, we have to look at the space that's available. We must think about what kind of science we will be doing and what kind of laboratories will be needed. We must decide whether or not our existing facilities provide adequate square footage and services for the new areas of research.

Many of the buildings at Rockefeller are old, and this is one of the charms of the campus. We have to preserve this sense of the campus and still build and renovate in order to meet the needs of the scientists who are already here and the new scientists that we will be recruiting. In addition, a self-contained campus in New York City has to grow vertically; this is a challenge because vertical integration and communication is much more difficult than horizontal.

If you look at the way the older labs have been constructed at Rockefeller, many of them are behind closed doors. They lack a sense of openness. One goes into a building and there's a lobby and elevator. The science is not visible. We're going to consider ways to make the best use of the space we have without spending an enormous amount of money. We're not going to redo lab space and arbitrarily move people around—that would be inefficient. But when we have the opportunity to put similar disciplines together, we will.

We have space in Smith Hall for example which could be spectacular with proper renovation. That's a challenge.

PA: How can we best communicate our goals and mission to the outside world?

AL: It is important for us to find good mechanisms for conveying what's happening at Rockefeller to the outside world. We want to present Rockefeller in a sophisticated, elegant way that people will respond to. Making Rockefeller visible is an important goal, for a number of reasons. We want to attract great scientists, graduate students and staff. In the past Arnie and I have spent a lot of time trying to get more people involved with universities and science, and we want to continue that commit-

ment here. Making the campus available to others through community outreach is an important vehicle for accomplishing this. The Centennial will also be a great opportunity for getting more people involved with us.

PA: What's your outlook for the future?

AL: Coming to Rockefeller was really like receiving a gift. Here's the gift: you have a wonderful university, a balanced budget, an excellent faculty, a committed staff and an involved and supportive board of trustees. So first, do no harm. The challenge is how to build on the achievements of Rockefeller, and go forward in creative new ways. Maintaining the status quo in science is going backwards.

One cornerstone of the academic plan is to bring more non-tenured faculty here. We want to bring in junior faculty who can flourish in this environment. And one consequence of this goal is the need for an infrastructure with more core facilities, more central facilities and more common and shared equipment areas. With young faculty, we're not going to reproduce everything within their small lab groups.

Many other institutions are organized around having a lot of central and core facilities that provide service for the campus as a whole. Stephen Burley and I are going to be working together to reorganize, upgrade and add to our core facilities so that these are able to better support the needs of the junior and senior faculty. If you examine what's happening at biomedical institutions around the world you realize they're beginning to invest in what Rockefeller is noted for—interdisciplinary research. For example, Harvard is spending \$200 million on integrating their science departments, Scripps is spending \$100 million, and Princeton is spending \$70 million. Stanford is building a new campus to accommodate biomedical research with integrated departments.

We can see that there will be more and more competition for faculty, students and resources because other institutions are implementing similar models to ours to do great science. How will Rockefeller meet the challenge? With the help of the Board, the faculty, the students, the staff, our friends and donors, I am confident that we are poised to make a significant impact on the science of the 21st century.

SEPTEMBER  
17

13  
OCTOBER

# calendar of events

<http://www.rockefeller.edu/rucal>

THE ROCKEFELLER UNIVERSITY—Please post

## FRIDAY, SEPTEMBER 17

9 a.m.–5 p.m. **The Living Brain.** Mary E. Hatten, RU; Mark H. Ellisman, UC San Diego; Andrea Brand, U. of Cambridge; Nicholas Spitzer, UC San Diego; David Colman, Mount Sinai School of Medicine; and Ronald D. McKay, NINDS, NIH. New York Society of Experimental Microscopists 1999 Presidential Symposium. **714 Hunter West Building, Hunter College, 68th St. at Lexington Ave.** Contact Philip L. Leopold, 746-8808, pleopold@mail.med.cornell.edu.

## TUESDAY, SEPTEMBER 21

12 p.m. **High Sensitivity Stable Isotope Tracers Applied to Whole Body Polyunsaturated Fatty Acid Metabolism.** Tom Brenna, Associate Professor, Division of Nutritional Sciences, Cornell U. Seminar. **110B Nurses Residence.**

4 p.m. **The Phenomenology of Modulated Phases: Magnetic Films, Polymers and Membranes.** Center for Studies in Physics and Biology Seminar. **B Level Conference Room, Smith Hall Annex.** Tea, 3:30 p.m. Contact Matthew Turner, 327-8184.

## WEDNESDAY, SEPTEMBER 22

11 a.m. **Coping with Replication Complex "Train Wrecks" Using Escheria coli DNA Polymerase V, a Sloppier Copier.** Myron F. Goodman, Professor, Dept. of Biological Sciences, USC. Lecture. **305 Weiss.** Contact Terry Chin, 327-7252.

12 p.m. **Approaches to Study Functional Gene Expression in Psoriasis.** James G. Krueger, Associate Professor, RU. Seminar in Clinical Research. **110B Nurses Residence.**

12 p.m. **Direct Measurement of T Cell Kinetics in Humans Using a Stable Isotope-mass Spectrometric Technique: Effects of HIV-1 Infection and Antiretroviral Therapy.** Marc Hellerstein, UC Berkeley. CFAR Seminar. **6th Floor Conference Room, ADARC, 455 First Ave.**

## THURSDAY, SEPTEMBER 23

12 p.m. **Anabolic Androgenic Steroid Effects on Brain and Behavior.** Marilyn Y. McGinnis, Professor, Dept. of Cell Biology and Anatomy, Mount Sinai School of Medicine. Endocrinology and Reproductive Biology Seminar. **301 Weiss.**

12 p.m. **Protein NMR in the Post-genomic Era.** David A. Cowburn, Associate Professor, RU. Biochemistry Lecture. **E-115 WMCCU, 1300 York Ave.**

4 p.m. **Ligament Fibroblast Response to Cyclic Tensile Load In Vitro.** Jo Hannafin, HSS. "From Molecules to Mobility" Research Division Seminar. **2nd Floor Conference Room B, HSS, 535 E. 70th St.** Tea 5 p.m.

## FRIDAY, SEPTEMBER 24

12 p.m. **Role of Transcription Factors in Blood Cell Commitment.** Thomas Graf, Professor, Albert Einstein College of Medicine. Molecular Biology Seminar. **116 Rockefeller Research Laboratories, MSKCC, 430 East 67th St.**

12 p.m. **KSHV/HHV-8 in Human Malignancies.** Ethel, Cesarman, Assistant Professor of Pathology, Dept. of Pathology, WMCCU. Immunology Seminar. **117 Whitney, WMCCU, 1300 York Avenue.** Contact Michele Lavarde, 746-6452.

## MONDAY, SEPTEMBER 27

4 p.m. **NMR Studies of T-Cell Protein Interactions.** Gerhard Wagner, Dept. of Biological Chemistry and Molecular Pharmacology, Harvard School of Medicine. NMR Structural Biology Seminar. **301 Weiss.**

## TUESDAY, SEPTEMBER 28

4 p.m. **From Single to Many Molecular Motors.** Frank Julicher, Institut Curie, Paris. Center for Studies in Physics and Biology Seminar. **B Level Conference Room, Smith Hall Annex.** Tea, 3:30 p.m. Contact Matthew Turner, 327-8184.

4 p.m. **Agonist Gating and Isoflurane Potentiation in the Human GABAA Receptor Determined by Volume of a TM2 Residue.** Neil Harrison, Associate Professor, Dept. of Anesthesia and Critical Care, U. of Chicago. Pharmacology Seminar. **Weill Auditorium, WMCCU, 1300 York Ave.**

## WEDNESDAY, SEPTEMBER 29

4 p.m. **Foreign DNA in Mammalian Systems.** Walter Doerfler, Professor of Genetics, Institute of Genetics, U. of Cologne. Pharmacology Seminar. **Weill Auditorium, WMCCU, 1300 York Ave.**

5:30 p.m. **The Future of Biomedical Science—What We Will be Able to Do and What We Will be Allowed to Do.** Daniel E. Koshland, Professor of Biochemistry and Molecular Biology, UC Berkeley; Former Editor, *Science Magazine*. Zanvil A. Cohn Forum on Health Affairs. **Abby Aldrich Rockefeller Dining Room.** Sherry, 5 p.m., *Abby Aldrich Rockefeller Lounge.* Contact Gloria Phipps, 327-8967.

## FRIDAY, OCTOBER 1

12 p.m.  **$\gamma\delta$  T Cells: Distinguishing Young from Old.** Adrian C. Hayday, Professor of Immunobiology, Peter Gorer Dept. of Immunobiology, Guy's Hospital, London. Immunology Seminar. **A-250, WMCCU, 1300 York Avenue.** Contact Michele Lavarde, 746-6452.

## MONDAY, OCTOBER 4

11 a.m. **Gene, Peptide and Circadian Behavior—Lessons from Misexpressing Neuroepithelial Pigment-dispersing Factor in *Drosophila melanogaster*.** Marcus Taeuber, U. of Regensburg, Germany. Lecture. **305 Weiss.**

6:30 p.m. – 9 p.m. **Breast Cancer Diagnosis and Treatment at the Millennium.** Seminar. **Uris Auditorium, WMCCU, 1300 York Ave.** Contact, Marcelle Kaplan, 746-4708. Seating available for 250 people on a first come, first served basis.

## TUESDAY, OCTOBER 5

4 p.m. **0-1 Laws for Single Molecules.** Bud Mishra, Courant Institute, NYU. Center for Studies in Physics and Biology Seminar. **B Level Conference Room, Smith Hall Annex.** Tea, 3:30 p.m. Contact Matthew Turner, 327-8184.

4 p.m. **Recent Advances in Nutrition and Cancer Prevention.** Richard S. Rivlin, Program Director, CNRU, GI-Nutrition Service, MSKCC; Professor of Medicine, WMCCU; Chief, Nutrition Division, NYPH. CNRU Monthly Meeting. **103 Rockefeller Research Laboratories, 430 E. 67th St.**

## THURSDAY, OCTOBER 7

12 p.m. **Inhibitors of 11-Beta-hydroxysteroid Dehydrogenase.** David J. Morris, Professor, Department of Pathology and Laboratory Medicine, Brown U. Endocrinology and Reproductive Biology Seminar. **301 Weiss.**

3:45 p.m. **From Discovery to the Clinic: The Bryostatins.** George R. Pettit, Director of the Cancer Research Institute, Regents Professor of Chemistry and Dalton Professor of Cancer Research and Medicinal Chemistry. Seminar. **Auditorium, Rockefeller Research Laboratories, 430 E. 67th St.** Tea, 3:15 p.m.

## FRIDAY, OCTOBER 8

12 p.m. **Recursive Splicing and Developmental Regulation of Splice Site Choice in *Drosophila*.** Antonio-Javier Lopez, Associate Professor, Dept. of Biological Sciences, Carnegie Mellon U. **116 Rockefeller Research Laboratories, 430 E. 67th St.**

12 p.m. **CD 40 Signaling through TRAF Proteins: Biochemical Mechanisms & the Maintenance of Receptor Signaling Specificity.** Marilyn R. Kehry, Distinguished Scientist, Dept. of Biology, Boehringer Ingelheim Pharmaceuticals. Immunology Seminar. **117 Whitney, WMCCU, 1300 York Avenue.** Contact Michele Lavarde, 746-6452.

## THE ROCKEFELLER UNIVERSITY Friday Lectures

These events are held in Caspary Auditorium at 3:45 P.M. Tea is served in Abby Aldrich Rockefeller Lounge at 3:15 P.M. All are welcome.

### FRIDAY, SEPTEMBER 17

**Molecular Analysis of Aging.** Leonard Guarente, Professor of Biology, MIT.

### FRIDAY, SEPTEMBER 24

**Structural Features of Antigen Presentation.** John W. Kappler, Member, Dept. of Medicine, National Jewish Medical and Research Center, and Professor of Immunology and of Medicine, U. of Colorado Health Sciences Center, Denver; Investigator, HHMI.

### FRIDAY, OCTOBER 1

**Structure and Function of Prokaryotic RNA Polymerases.** Seth Darst, Associate Professor, RU.

### FRIDAY, OCTOBER 8

**Mechanisms of pre-mRNA Splicing.** Magda Konarska, Associate Professor, RU.

## The Arts and Other Events

### WEDNESDAY, SEPTEMBER 22

8 p.m. **Peggy Rockefeller Concerts.** Petra Lang, mezzo-soprano, and Dennis Helmrich, pianist, performing works by Reger, Schumann, Wagner and Strauss. **Caspary Auditorium.** Contact Cathy Rogers, 327-8437.

First-Class  
U.S. postage  
PAID  
New York, NY  
Permit no. 7619

news&notes

The Rockefeller University  
Box 68, 1230 York Avenue  
New York, NY 10021  
Address correction requested

The *Calendar of Events* is published Fridays throughout the academic year. Deadline for submitting events is 2:00 P.M. Tuesday. Events submitted by the Tuesday two weeks before the event will be announced in two consecutive calendars—space permitting.

To subscribe to the *Calendar of Events* mailing list, send e-mail to [Macjoromo@comm.rockefeller.edu](mailto:Macjoromo@comm.rockefeller.edu) with **SUBSCRIBE RUCAL-L <Your Name>** in the body of the message.