PRO BONO HUMANI GENERIS
The Rockefeller University 1901

news&notes

JANUARY 8, 1999 VOLUME 9, NUMBER 12 THE ROCKEFELLER UNIVERSITY

RU, on record pace, raises $21.9 million

Leadership gifts support academic initiatives

At the board of trustees meeting on Dec. 2, 1998, RU Trustee Russell L. Carson announced that the university had raised $21.9 million in new gifts and pledges since July 1, 1998. Carson, who chairs the board's Development Committee, commented that fiscal year 99 is proving to be one of the most successful fund-raising years in the history of the university. President Arnold J. Levine says, "These gifts are providing a wonderful head start on RU's Centennial Campaign, which will be officially launched in the summer of 1999."

At the board meeting, Carson reported on several lead gifts to the Centennial Campaign. Two gifts are from trustees: Donald A. Pels has committed $5 million to fund the Pels Family Center for Biochemistry and Structural Biology, and Leon Levy has pledged $6 million to establish the Shelby White and Leon Levy Center for Mind, Brain and Behavior. The Abby Rockefeller Mauzé Charitable Trust and the Marilyn M. Simpson Trusts have agreed to provide a joint gift of $3 million to endow the Marilyn M. Simpson Professorship.

Carson also acknowledged a $1 million lead grant from the Leonard Wagner Trust, thanking Trustee Emeritus Alexander D. Forger and Paul Eichler, a member of the university's Trusts and Estates Committee, for their help in securing this gift. The Wagner Trust commitment is directed to faculty recruitment; in the last three years the trust has contributed nearly $2.5 million to Rockefeller.

President Arnold J. Levine (right) with Rockefeller University Board Chairman Richard B. Fisher

Trustees Levy and Pels provide naming gifts for centers

The Shelby White and Leon Levy Center for Mind, Brain and Behavior will promote collaborative research in the fields of behavioral neurobiology, neural systems and developmental biology, and ensure that state-of-the-art core facilities are available to neuroscientists. Levy's $6 million gift will also enable the university to recruit several new neuroscientists.

President Emeritus Torsten N. Wiesel, who has been appointed by Levine to head the new center, comments that "Ninety percent of what is now known about the brain has been learned in the last ten years—an observation that predicts even more rapid progress during the decade to come. There could not be a better time to make a philanthropic investment in neuroscience research, and on behalf of my faculty colleagues, I thank Leon for his extraordinary generosity."

Pels's gift of $5 million will strengthen faculty recruitment at what is now the Pels Family Center for Biochemistry and Structural Biology. Created in 1996, the center is an alliance of 18 laboratories, including eight established by scientists new to the faculty since 1992.

The Pels Center is directed by Stephen K. Burley, the university's Richard M. and Isabel P. Furlaud Professor and an HHMI investigator. "Rockefeller," says Burley, "is among a handful of institutions in the United States that are creating new, integrated approaches to biological chemistry. I believe that important discoveries will continue to emerge from the Pels Family Center, because of the enhanced opportunities that Don's gift will make possible."

Jeffrey Friedman appointed Marilyn M. Simpson Professor

At the December board meeting, Wiesel announced the appointment of Jeffrey M. Friedman as the first Marilyn M. Simpson Professor. Friedman, who is also an HHMI investigator, directs the university's Starr Center for Human Genetics.

Created through a joint gift of $3 million from the Abby Rockefeller Mauzé Charitable Trust and the Marilyn M. Simpson Trusts, the new chair has special significance. Marilyn Simpson was the daughter of David Rockefeller's late sister, Abby Rockefeller Mauzé. Mrs. Simpson died of complications from diabetes when she was only 50 years old, and research on diabetes and related illnesses is a major focus of the Simpson Trusts, established in her name.

Friedman, who isolated the gene that produces the weight-regulating hormone leptin, is especially interested in the role of leptin in Type II diabetes.

Honorary Chairman of the Board of Trustees David Rockefeller says, "I believe my sister and her daughter would be extraordinarily pleased that a scientist of Jeff Friedman's stature is working on a disorder that afflicts so many individuals throughout the world. Modern genetics is shedding enormous light on hereditary disorders, and I am confident that Dr. Friedman and the other scientists at the Starr Center will make major contributions to our understanding and treatment of diabetes."

Donald A. Pels (right) with fellow trustee Joseph (Mike) McCune, at a reception following the Dec. 2 board meeting

Leon Levy (right) with President Emeritus Torsten N. Wiesel, who will direct the new Shelby White and Leon Levy Center

Friday lecture

Molecular biologist to discuss signaling mechanisms at today's Friday lecture

Molecular biologist Lawrence Zipursky, a professor at the University of California at Los Angeles and an investigator at the Howard Hughes Medical Institute will give the Friday lecture today (Jan. 8). The topic of his talk is "Signaling Mechanisms Regulating the Formation of Neuronal Connections in the *Drosophila* Visual System."

Zipursky has used the *Drosophila* (fruit fly) visual system to study various aspects of development, including early steps in tissue specification, the developmental control of the cell cycle, receptor tyrosine kinase signaling pathways and cellular differentiation. He notes that the classical and molecular techniques available in *Drosophila* are well suited to addressing developmental questions at the molecular level.

Recently, his laboratory has focused on genetic approaches to uncovering mechanisms by which specific neurons in the eye connect to their targets in the brain. The laboratory is also using photoreceptor neurons to model human neurodegenerative diseases.

Zipursky received his B.A. in chemistry in 1977 from Oberlin College and his Ph.D. in molecular biology in 1981 from the Albert Einstein College of Medicine. His thesis work focused on DNA replication enzymology and was conducted under the supervision of Jerard Hurwitz.

After graduation, Zipursky went to Seymour Benzer's laboratory at the California Institute of Technology, where he began his studies on the *Drosophila* visual system. In 1985, Zipursky joined the Department of Biological Chemistry at the UCLA School of Medicine as an assistant professor. He is now a full professor at the school, as well as an investigator at the Howard Hughes Medical Institute.

Zipursky has received several awards for his scientific work and was elected to the American Academy of Arts and Sciences in 1998. Among his professional activities, he serves on the editorial boards of *Neuron, Trends in Cell Biology* and *Molecular and Cellular Neuroscience.*

Zipursky's talk begins at 3:45 p.m. in Caspary Auditorium and is preceded by a tea in Abby Aldrich Rockefeller Lounge at 3:15 p.m. All are welcome.

Holiday party 1998

Potpourri

In memoriam

The RU community mourns the recent deaths of several of its members.

John O'Donnell, former vice president of Human Resources, died Mon., Jan. 4. The funeral will be held today, Jan. 8, at 10:00 a.m. at the Anthony R. Pizzi Funeral Home in Northvale, N.J. (914-359-2323), followed by a mass at Our Lady of the Sacred Heart Roman Catholic Church in Tappan, N.J., at 11:00 a.m.

Sek Jin Chew, who received his Ph.D. from RU in 1996, died Sat., Dec. 19, of brain cancer in Singapore. He was 39. According to Dean George Cross, Chew was diagnosed with the cancer the year he graduated. Chew was a student in the Nottebohm lab.

Jocelyn Crane Griffin, wife of Professor Emeritus Donald Griffin died recently, as did Elsa Ascencio, wife of LARC supervisor Andres Ascencio.

Wilmut lecture canceled

Ian Wilmut's lecture, scheduled for Thurs., Jan. 14, has been canceled due to changes in his itinerary.

Is there a musician in the house?

The Choral Symphony Society needs new voices! Rehearsals begin Jan. 12 at 7:30 p.m. in the Music Room in Caspary for the spring performance of Handel's *Saul*. If interested, please contact David Labovitz at 864-7541.

Would you like to play chamber music with other amateurs ranging in level from advanced beginners to semi-professional under the guidance of professional coaches? The 92nd Street Y is holding auditions for its spring semester chamber music program on Tues., Jan. 12. Participants receive 14 hours of coaching and may have the opportunity to perform in master classes at the end-of-semester recitals. To schedule an audition, call 415-5580.

Computer workshops

Computing Services announces the following January workshops:

Intro to Windows 95, Tues., Jan. 12
Intro to WindowsNT, Thurs., Jan. 14
Intro to MacOS 8, Tues., Jan. 19
Intro to WindowsNT, Thurs., Jan. 21
Intro to UNIX, Tues., Jan. 26
UNIX For Sequencers, Thurs., Jan. 28

All workshops take place between 10:00 a.m. and noon and are held in TSH A21. To register please call x7768. Space is limited.

AwardsCorner

Vincent Astor Professor James Darnell has been awarded the 1998-99 Dickson Prize in Medicine from the University of Pittsburgh School of Medicine. The prize recognizes individuals who have made outstanding contributions to the field of medicine.

Professor and Senior Physician Ralph Steinman has been awarded the Max Planck Research Award for International Cooperation. The award recognizes outstanding research achievements and supports the recipient's efforts to cooperate with one or more German scientists over a three-to-five-year period.

Applications are now due for 1999-2000 at the RU Child and Family Center

The RU Child and Family Center has begun filling its groups for the 1999-2000 year. The center, which is housed in the Graduate Students Residence and Sophie Fricke Hall, provides a full-day, full-year program for children from three months to four years. Because quality childcare in New York City is often expensive and hard to find, the university's on-site center is an important benefit for Rockefeller families.

The room assignments correspond roughly to the age of the child to ensure developmentally appropriate activities. Infants, 1's and 2's are cared for in Sophie Fricke Hall, and 2's, 3's, 4's rooms are in the Graduate Students Residence. Children from the two locations frequently visit each other, which is important for integrating the two sites and easing the transition of younger children from one building to another. The flexibility also allows siblings to spend time together during the day.

Director Marjorie Goldsmith emphasizes the word "family" when discussing the facility. Rockefeller parents are encouraged to take part in their children's day. "A mother working in a laboratory may know that her experiment will take 45 minutes," Goldsmith says, "so she'll set a timer for 45 minutes and come see her child." The school also has an active parents association, whose projects include running the RU Sweatshirt Shop (located in the Tunnel) to benefit the center's programs.

Children at the RU Child and Family Center took part in a winter concert and reception on Fri., Dec. 18.

Being part of the university has advantages not only for the parents but also for the CFC staff. Goldsmith notes that many of the teachers use the university's education benefits to pursue studies in child development and education. Teachers also appreciate being able to interact with parents at times other than just a hurried morning drop-off and afternoon pick-up.

With the Child and Family Center on campus, parents can concentrate on their work, knowing that their children are in a safe, supportive and educational environment only a few steps away.

The cost of sending a child to the CFC is based on family income. If you are interested in applying for next year, please call Marjorie Goldsmith right away at x8580.

Scientists in the news

1998 was a breakthrough year at Rockefeller

RU's tradition of scientific discovery continued in 1998. Below are some of the year's discoveries as they appeared in the media.

New gene controls the sleep/wake cycle

A gene called *double-time* regulates the molecular cycles underlying circadian rhythms, or the internal controls timing daily activities in living organisms, according to Michael W. Young, professor and head of the Laboratory of Genetics. "We've identified a gene in the fruit fly *Drosophila* that times the pairing of two proteins—PER and TIM—essential for circadian rhythms." Young's group identified TIM in 1994. Similar mechanisms exist in humans.

The *double-time* gene discovery, reported by the researchers in a cover article in the July 10, 1998, issue of the journal *Cell*, was named the first runner-up in "Breakthrough of the Year" by the journal *Science*.

"Across the tree of life, from bacteria to humans, clocks use oscillating levels of proteins in feedback loops to keep time. Perhaps more amazing, fruit flies and mice—separated by nearly 700 million years of evolution—share the very same timekeeping proteins. Now that they understand the cellular clock, scientists can begin to manipulate it, with applications from curing jet lag to brightening winter depression."

(*Science*, Dec. 18)

Ion channel structure gives clues to how the nervous system works

Ion channels regulate the flow of electrically charged atoms across cell membranes—a process that is critical to the generation of electrical impulses in the nervous system and in the heart. Earlier this year, RU Professor Roderick MacKinnon, head of the Laboratory of Molecular Neurobiology and Biophysics and an investigator at the Howard Hughes Medical Institute, solved the first structure of an ion channel, a finding hailed by the journal *Science* as a runner-up in "Breakthrough of the Year."

"This year, in a landmark discovery that reveals one of the biochemical roots of the nervous system, a New York City team published the three-dimensional structure of one such ion channel—selective for the potassium ion—in a bacterium. This long-awaited finding is a technical marvel that provides insight into how the nervous system works its magic."

(*Science*, Dec. 18)

Science magazine selected two Rockefeller discoveries as "Breakthroughs of the Year"

Proof that immunity to cancer exists naturally in humans

"Cancer-vaccine work has been slowed because researchers could not find an example of a human immune system that had conquered cancer on its own. That changed this month when a team led by Robert Darnell, head of the laboratory of molecular neuro-oncology at Rockefeller University, found that people whose bodies produce large amounts of a special killer T cell that attacks the 'cdr2' tumor antigen are immune to breast and ovarian cancer. 'This is an important first step forward because we now know that immunity to cancer does exist, and it requires T cell response to tumor antigens,' says Darnell."

(*U.S. News & World Report*, Nov. 23)

Creation of a vaccine to fight Strep A

"To outwit the bugs, researchers at Rockefeller University and Siga Pharmaceuticals Inc., in New York, identified 'conserved' proteins retained in all the 120 known strains of Strep A. Strep infects up to 20 million people in the United States each year and is a major cause of childhood hospitalization. The scientists created a subunit vaccine by taking genetic coding for a surface protein shared by all strains and inserting it into harmless bacteria that live in the nose. A spray sends these bacteria into the nose, where they produce the foreign protein, spurring the body to fight it."

(*U.S. News & World Report*, Nov. 23)

A new clue to the control of aging in human cells

"Cell biologists have discovered what may be a key switch in the control of cellular aging. In most tissues, the telomeres, repetitive DNA sequences that cap the ends of the chromosomes, shorten each time the cell divides, until the chromosomes are so frayed that the cell ages and dies. But in a few normal cells, including those that make eggs and sperm, and in cancer cells, an enzyme called telomerase rebuilds the telomeres after each division, keeping the cell immortal. Titia de Lange and her colleagues at The Rockefeller University in New York City describe the discovery in human cells of a protein they call tankyrase, an enzyme that may enable telomerase to do its work. If the new enzyme does play this role, the way might be opened to developing compounds that would exploit tankyrase to control cell life-span."

(*Science*, Nov. 20)

Leprosy finding spells good news for muscular dystrophy and multiple sclerosis patients

"We have identified for the first time the exact cellular site that the leprosy-causing bacterium uses to attack peripheral nerves," says Anura Rambukkana, Ph.D., principal investigator of the study and a research associate in the Laboratory of Bacterial Pathogenesis and Immunology. "Our findings point to a way of treating the disease in its early stages, before the immune response comes into play. More importantly, these findings have tremendous ramifications for understanding the early molecular events leading to nerve damage of other neurodegenerative diseases, such as muscular dystrophy and multiple sclerosis, that could lead to treatments."

(The research was reported in *Science*, Dec. 11)

Enzyme holds key to better antibiotics

"Doctors are getting their first look at a vital clue in the battle to stop antibiotics becoming ineffective...Medical researchers have created images of an enzyme blamed for much of the growing resistance to the life-saving drugs. They hope that by studying the enzyme they will get a valuable insight into how it works and how it can be manipulated so that antibiotics can be made more effective. 'So now that we know the structure of the enzymes, it may become possible to design a drug that can be given along with the antibiotic to prevent the antibiotic from being inactivated,' says Stephen Burley, who leads the imaging research team at the Howard Hughes Medical Institute at Rockefeller University in New York."

(*Sunday Times* (London), Sept. 20)

New approach to treating lupus

"Scientists at Rockefeller University may have discovered a new therapeutic approach for the treatment of systemic lupus erythematosus, an autoimmune disease that causes chronic inflammation and severe kidney disease. The disease, which primarily affects women between the ages of 20 and 40, develops when the immune system produces autoantibodies, or antibodies directed against its own cells. In a recent paper, Rockefeller researchers describe the role of antibody-binding molecules called Fc receptors in the onset of lupus. According to senior author Jeffrey V. Ravetch, Theresa and Eugene Lang Professor and head of the Leonard Wagner Laboratory of Molecular Genetics, the study shows that preventing the activation of antibody receptors may be an effective, alternative way to treat autoimmune diseases like lupus. 'Based on these studies,' says Ravetch, 'we are trying to find some pharmaceutical partners that would be interested in developing a model for antibody specificity just for this receptor in humans.'"

(*The Scientist*, March 16)

Novel method for fighting cancer developed

Researchers from RU have developed a new method to fight cancer by using dendritic cells to activate T cells via a new pathway. The technique offers the promise of new therapies for cancer, AIDS and autoimmune diseases. "We've shown that dendritic cells can trigger an immune response when cultured with dying cells that carry an antigen, such as proteins from tumors or viruses," says lead author Matthew Albert, B.S., a biomedical fellow in the Laboratory of Cellular Physiology and Immunology at Rockefeller. "This is a new and very potent pathway for activating T cells."

(The research was reported in *Nature*, March 5)

Mirsky lecture draw a capacity crowd of high school students

More than 400 high school students attended the annual Mirsky lecture at RU on Mon., Dec. 28, to hear Professor Michel Nussenzweig discuss "foreign invaders" --organisms that challenge the body's immune system. The Mirsky lecture exposes high school students to a level of scientific mentoring usually reserved for the best graduate students in the country.

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

Arnold J. Levine, President
Mariellen Gallagher, Vice President of Communications and Public Affairs
Joseph Bonner, Director of Communications

Lisa Stillman, Editor
Paul Focazio, Communications Associate and Calendar Editor
Kate Flynn, Communications Assistant
Robert Reichert, Photography
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).

JANUARY 8 – 24 JANUARY

calendarofevents

http://www.rockefeller.edu/rucal

THE ROCKEFELLER UNIVERSITY — *Please Post*

FRIDAY, JANUARY 8
12:00 p.m. Hedgehog Protein Biogenesis and Signaling. Philip Beachy, Professor, Molecular Biology and Genetics, Associate Investigator, HHMI, John Hopkins U. School of Medicine. Cell Biology Seminar. 116 Rockefeller Research Laboratories, MSKCC, 430 East 67th St.

MONDAY, JANUARY 11
12:30 p.m. Innate and Acquired Immunity to *Pseudomonas aeruginosa* Infection in Cystic Fibrosis. Gerald Pier, Professor, Medicine, Brigham and Women's Hospital, Harvard Medical School. Immunology Lecture. Second Floor Conference Room, HSS, 535 East 70th St.

TUESDAY, JANUARY 12
4:00 p.m. Quantal Release of Neurotransmitters and "Chaotic" Dynamics of Synaptic Noise. Henri Korn, Professor, Institut Pasteur, France. 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, JANUARY 13
11:00 a.m. Integrin Signaling: Cycling in Response to Extracellular Matrix Cues. Filippo Giancotti, Professor, MSKCC. Weekly Research Seminar. 110 Rockefeller Research Building. *Contact Shauna Seliy, 327-8655.*

12:00 p.m. Regulation of Memory and Autoreactive B Cells. Mark J. Shlomchik, Associate Professor, Laboratory Medicine and Immunobiology, Yale U. School of Medicine. Clinical Research Seminar. 110B Nurses Residence.

4:00 p.m. Fly Photoreceptor Synapses: Their Structural, Temporal and Spatial Organization, and Dynamic Numerical Regulation. I.A. Meinertzhagen, Killam Professor, Neuroscience, Dept. of Psychology, Life Sciences Centre, Dalhousie U. Weekly Research Seminar. 110 Rockefeller Research Building. *Contact Shauna Seliy, 327-8655.*

THURSDAY, JANUARY 14
4:00 p.m. Inhibition of Carcinogenesis by Tea: Questions to be Answered and Opportunities for Practical Application. C.S. Yang, Professor II and Associate Chair, Laboratory for Cancer Research, Dept. of Chemical Biology, College of Pharmacy, Rutgers U. CNRU Special Nutrition Lecture. F-539 NYPH-CUMC, 1300 York Ave.

4:00 p.m. Structural Study of Eph Receptors. Dimitar B. Nikolov, Assistant Member and Head of Laboratory, Cellular Biochemistry and Biophysics Program, MSKCC. Progress in Neuroscience Seminar. Weill Auditorium, CUMC, 1300 York Ave. *Reception 3:45 p.m.*

4:00 p.m. Molecular Breeding of Genes, Pathways, Viruses and Genomes by DNA Shuffling. William Stemmer, Maxygen. 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.*

4:00 p.m. Regulation of Hematopoiesis by Microvascular Endothelial Cells. Shahin Rafii, Assistant Professor, Medicine, Division of Hematology-Oncology, CUMC. LFKRI Research Seminar. Lower Level Conference Room, New York Blood Center, 310 East 67th St. *Tea 3:45 p.m. Contact Rosanna Martinez, 570-3357.*

FRIDAY, JANUARY 15
10:30 a.m. *Mycobacterium tuberculosis*: Host Interactions Viewed at the Gene Level. Issar Smith, The New York Public Health Research Institute. Tuberculosis Club Seminar. 110B Nurses Residence. *Coffee 10:15 a.m. Contact Claudia Manca, 327-8103.*

12:00 p.m. Structures and Assembly of the HIV-1 Proteins. Wesley Sundquist, U. of Utah. CFAR Seminar. 6th Floor Conference Room, ADARC, 455 First Ave.

12:30 p.m. Analysis of Estrogen Hormone Action Using ER-alpha and ER-beta Knockout Mice. Kenneth S. Korach, Director, Environmental Disease and Medicine Program and Chief, Laboratory of Reproductive and De-velopmental Toxicology NIEHS, NIH. Endocrinology and Reproductive Biology Seminar. 110B Nurses Residence.

1:00 p.m. CD40 and IgM Signaling in Human B Cell Tumors. Elaine Shattner, Assistant Professor, Division of Hematology-Oncology, Dept. of Medicine, CUMC. Immunology Seminar. Weill Auditorium, C-200 CUMC, 1300 York Ave. *Contact Michele Lavarde, 746-6452.*

2:00 p.m. A Neurotoxin Insensitive v-SNARE in Membrane Traffic in Polarized Cells. Thierry Galli, INSERM Researcher, CNRS, Institut Curie, Paris, France. Cellular Biochemistry and Biophysics Seminar. 116 Rockefeller Research Laboratories, MSKCC, 430 East 67th St.

2:00 p.m.-5:00 p.m. On the Power of Chemical Synthesis. Samuel J. Danishefsky, Chair and Director, Laboratory for Bio-organic Chemistry, MSKCC, and Professor, Chemistry, Columbia U. New Tools for Probing Protein Structure, Interaction and Control. Brain T. Chait, Camille and Henry Dreyfus Professor, RU. Life History of T Lymphocytes. Hereld von Boehmer, Director and Professor, Institut Necker, INSERM 373, Faculté de Medecine, Paris, France. NAS Symposium.

TUESDAY, JANUARY 19
12:00 p.m. Structural and Functional Analysis of Natural Microbial Communities. Karl Schleifer, Division of Microbiology, Munich Technical U., Munich, Germany. Lecture. 305 Weiss. *Contact Vincent A. Fischetti, 327-8166.*

3:00 p.m. Chip-based Integrated Devices for Monitoring DNA Changes. Paolo Fortina, Associate Professor, Pediatrics, U. of Penn. School of Medicine, and Director, Molecular Biology Diagnostic Core, Children's Hospital of Philadelphia. 305 Weiss. *Contact Emily Gegeliya, 327-7387.*

4:00 p.m. Amino Acid Sites and Sequences Influencing the Folding and Misfolding of Beta Sheet Proteins. Jonathan King, Professor, MIT. Center for Studies in Physics and Biology Seminar. B Level Conference Room, Smith Hall Annex. *Tea 3:30 p.m.*

4:00 p.m. Research in Progress. Steve Kalik, Laboratory of Visually Guided Behavior, and Eun-Kyung Suh, Laboratory of Barry Gumbiner, Graduate Program in Neuroscience, Cornell U. Graduate School of Medical Sciences. Progress in Neuroscience Seminar. Weill Auditorium, CUMC, 1300 York Ave. *Reception 3:45 p.m.*

WEDNESDAY, JANUARY 20
11:00 a.m. Parameters Controlling Formation of the dpp/TGFb Morphogen Gradient in the Developing *Drosophila* wing. Thomas Lecuit, Dept. of Molecular Biology, Princeton U. Weekly Research Seminar. 305 Weiss. *Contact Shauna Seliy, 327-8655.*

12:00 p.m. Control of Platelet Reactivity by Human Endothelial Cell Ecto-ADPase/CD39. Aaron J. Marcus, Chief, Dept. of Hematology-Medical Oncology, VA Medical Center. Clinical Research Seminar. 110B Nurses Residence.

THURSDAY, JANUARY 21
4:00 p.m. Fibrinogen: The Glue of Life. David H. Farrell, Associate Professor, Oral Molecular Biology, Oregon Health Sciences U. LFKRI Research Seminar. Lower Level Conference Room, New York Blood Center, 310 East 67th St. *Tea 3:45 p.m. Contact Rosanna Martinez, 570-3357.*

8:00 p.m. Is Beauty Skin Deep? Elaine Fuchs, Professor, Dept. of Molecular Genetics and Cell Biology, U. of Chicago, and Investigator, HHMI. Harvey Society Lecture. Caspary Auditorium. *Tea 7:30 p.m.*

The Arts and Other Events

FRIDAY, JANUARY 8
12:00 p.m. Tri-institutional Noon Recitals. Sara Davis Buechner, piano, performing works by Mozart, Chopin and Gershwin. Caspary Auditorium. *Free admission. Open to RU/CUMC/NYPH/MSKCC community and guests.*

TUESDAY, JANUARY 12
7:30 p.m. Rockefeller University Film Series. *Singin' in the Rain.* USA, 1952. Color. 102 min. Directed by Stanley Donen and Gene Kelly. Caspary Auditorium. *Free admission. Open to RU/CUMC/NYPH/MSKCC community and guests.*

THE ROCKEFELLER UNIVERSITY

Friday Lectures and Thesis Presentations

Events are held in Caspary Auditorium at 3:45 p.m and tea is served in Abby Aldrich Rockefeller Lounge at 3:15 p.m, unless otherwise noted. All are welcome.

FRIDAY, JANUARY 8
Signaling Mechanisms Regulating the Formation of Neuronal Connections in the *Drosophila* Visual System. S. Lawrence Zipursky, Professor of Biological Chemistry, UCLA School of Medicine, and Investigator, HHMI.

WEDNESDAY, JANUARY 13
Thesis Presentation: Inactivation of the JAK-STAT Pathway. Richard Haspel, Biomedical Fellow, RU.

FRIDAY, JANUARY 15
4:00 p.m. Philip Levine Memorial Lecture: Life History of T Lymphocytes. Hereld von Boehmer, Director and Professor, Institut Necker, INSERM 373, Faculté de Medecine, Paris, France. *Tea 3:30 p.m.*

WEDNESDAY, JANUARY 20
Thesis Presentation: Resurrecting the Dead: Dendritic Cells Cross-present Antigen Derived from Apoptotic Cells for the Induction of Viral and Tumor-specific Cytotoxic T Lymphocytes. Matthew Albert, Biomedical Fellow, RU.

FRIDAY, JANUARY 22
The Genetic Control of Olfactory Behaviors. Cori Bargmann, Professor, Depts. of Anatomy and Biochemistry, U.C.-San Francisco, and Assistant Investigator, HHMI.

FRIDAY, JANUARY 15
12:00 p.m. Tri-institutional Noon Recitals. Lynette Tapia, soprano, and Joan Kruger, piano, performing works by Strauss, Bellini, Debussy, and others. Caspary Auditorium. *Free admission. Open to RU/CUMC/NYPH/MSKCC community and guests.*

TUESDAY, JANUARY 19
8:00 p.m. Peggy Rockefeller Concerts. Viktoria Mullova, violin, and Charles Abramovic, piano, performing works by Beethoven, Bach, and others. Caspary Auditorium. *Contact Cathy Rogers, 327-8437.*

The *Calendar of Events* is published Fridays throughout the academic year. Deadline for submitting events is 12:00 p.m. Tuesday. Events submitted by the Tuesday two weeks before the event will be announced in two consecutive calendars—space permitting.

Events may be submitted via e-mail to rucal@rockvax.rockefeller.edu, through the World Wide Web (http://www.rockefeller.edu/rucal/ru-entry.html), or by fax (212-327-7876). Contact Paul C. Focazio (212-327-8969) for more information.

To reserve space for on-campus events, e-mail roomres@rockvax.rockefeller.edu or contact Julie Ranton-Francis via fax (212-327-7876) or phone (212-327-8072). Items will not be listed in the calendar without a previously confirmed room reservation.

To subscribe to the *Calendar of Events* mailing list, send e-mail to macjordomo@comm.rockefeller.edu with SUBSCRIBE RUCAL-L <Your Name> in the body of the message.

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