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The Rockefeller University

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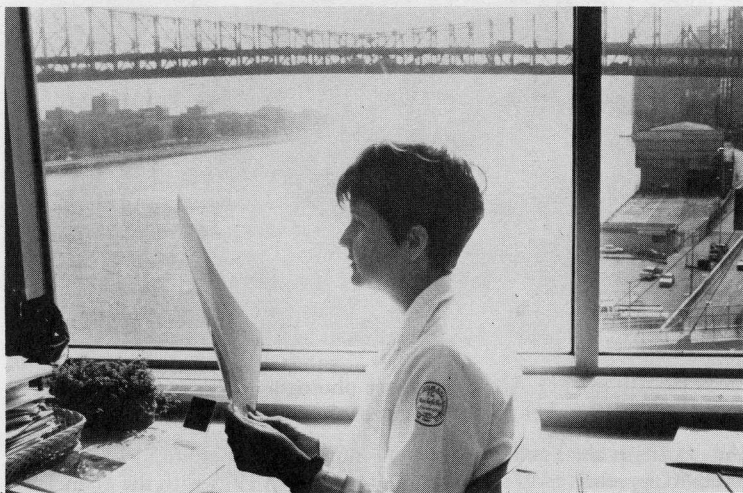
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news & notes

September 11, 1992 Volume 3, Number 1

The Rockefeller University



Graduate fellow Deborah Norman works in the Heintz lab's new facilities in the John D. Rockefeller, Jr. and David Rockefeller Research Building overlooking the East River. The Heintz lab will give tours of its new space on University Day, Sept. 25.

Full program of festivities to celebrate opening of new building

As anyone who has arranged a special event will know, planning it consists of taking care of a myriad of details. University Day, Fri., Sept. 25—part of the festivities marking the completion of the John D. Rockefeller, Jr. and David Rockefeller Research Building—is no exception. But now, after months of work, a full program of activities has taken shape.

"It's wonderful to see the program come together," said Ingrid Reed, vice president for public affairs and corporate secretary. "University Day will offer an exciting, varied range of activities—both educational and recreational. I hope every-

one at the university will join the celebration of the newest addition to our laboratory facilities."

Activities, held from 2:00 to 6:00 P.M., will include exhibits, tours, lectures, the Employee Recognition Award Program, a volleyball tournament, and a jazz concert. The entire series of festivities is underwritten by friends of David Rockefeller.

Exhibits

Six exhibits will be on display in the John D. Rockefeller, Jr. and David Rockefeller Research Building.

The first exhibit, which will be set up in the atrium on the first floor, is entitled "From Microbes to Molecules: A Century of Science at The Rockefeller University."

Divided into eight stations, the exhibit traces the history of the buildings on campus and the corresponding development of the science conducted within their walls. Instruments from the university's historical collection, photos from the archives, primary historical documents, and scientific illustrations will be on display.

The remaining exhibits will be set up on the ninth floor. They will be:

- "The Continuity of Leadership," which highlights the involvement of John D. Rockefeller, Jr. and David Rockefeller in shaping the university;
- "The Challenge of Creating the Rockefeller Research Building," which gives an architectural curator's view of the building process, from conception through construction;
- "Infection and Immunity," which explores aspects of this area of research at Rockefeller using Easy-View® microscopes and interactive video programs on loan from The New York Hall of Science. Investigators from the labs of George Cross and Miklós Müller will be on hand to answer questions and explain their work;
- "Rockefeller University's Science Outreach Program," which will serve as an introduction to the high school students, teachers, and Rockefeller scientists involved in

Children's School begins under leadership of new director

Marjorie Goldsmith, the new educational director of The Rockefeller University Children's School, greeted parents and children with great excitement Tuesday as they arrived for the first official day of school.

"I'm eager to start," Goldsmith said. "As a working parent and educator with many years experience, I am committed to excellence in education for young children—and that's my mission here. I'm very impressed that the university has made a commitment to its faculty and staff by providing such stimulating programs for their children."

The students—ranging in age from two years, nine months to six years—appeared to be happy to start the school year, Goldsmith noted.

The children attend one of sev-

eral programs: the new Full Year/Full Day Program, the Academic Year Program, or the After-School Program. Next year, toddler and infant care will also be among the selection offered.

The number of staff at the school has expanded significantly this year. For the first time, each teacher will have an assistant to aid her in the classroom.

"Not only are there more faculty, they are exceptionally well qualified," Goldsmith said. "Each one—and that includes assistants—has a master's degree or is currently working towards one."

This year's teachers are Elizabeth Hixon, Helene Meyers, Margaret Proudfoot, Dorothy Sy de Jesus,

and Elizabeth Thomas. The assistants are Jin Liu, Lois Obregon, Lidia Struck, Sandra Tananbaum, and Jennifer Wittmer. A new, full-time secretary, Kathy Burke, will help with administrative duties.

Goldsmith comes to Rockefeller from the First Presbyterian Church Nursery School in Manhattan, where she was director for eight years. Previously, she was educational director of Plaza Head Start and materials development coordinator of the City College Day Care Training Program. Goldsmith holds a bachelor's degree from Hofstra University and a master's from the Bank Street College of Education. She can be contacted at x8580 or box 50.



Marjorie Goldsmith, new director of The Rockefeller University Children's School, sits with some of the students on the first day of school on Tuesday.

2 Past is prologue at RU archive

3 Transgenic service opens doors

4 1992-93 university catalog arrives

See Program, page 2

Past is prologue at RU archive

By Mika Ono

"Who has fully realised that history is not contained in thick books but lives in our very blood?"—Carl Jung

The value of history often goes unseen and unappreciated. However, there are many who believe that understanding history is important, and that the past helps define who we are and how we got here.

Each year hundreds of such people are drawn to the Rockefeller Archive Center, part of The Rockefeller University, in North Tarrytown, New York. The archive's impressive collection of documents spans the history of the Rockefeller family and the creation and growth of some of the influential institutions founded by the family—including The Rockefeller University, the Rockefeller Foundation, and the Rockefeller Brothers Fund. The collection is especially strong from 1880 to the 1960s.

"Researchers study a remarkable variety of subjects at the archive," said Darwin Stapleton, director of the center. "Just this summer, topics have included public health in

Sri Lanka, grants to Estonian scientists, and the formation of the Anglo-American alliance during the Second World War.

"In addition, the Rockefeller institutions frequently make use of the records stored here," he continued. "Several writers from the university have been here recently finding material for exhibits to be displayed in the new research tower."

The diverse topics of historians who visit the archive reflect the breadth of the Rockefeller family's interests and influence. Business, science, and foreign policy (especially in Latin America and Asia) are all areas that the family, and the institutions it founded, have shaped over the last century.

As one example of the reach of the collection, Reiko Maekawa, professor of American studies at Kyoto University, came to the archive to understand the influence of the Rockefeller Foundation in post-war Japan.

"I am focusing on the foundation's attempts to promote democracy in Japan after WWII," she said. "By giving large grants, it swayed a large number of Japanese intellectuals to be more pro-



This Rockefeller Archive Center photograph shows the campus and York Ave. before the advent of the automobile.

American. It also encouraged them to approach problems in a more empirical way. A theoretical approach was considered more politically volatile, in other words, more likely to lead to communism."

Maekawa plans to publish her findings back home, and hopes to raise awareness of the archive's resources among her Japanese colleagues. Research at the archive has produced over 300 scholarly books and articles—as well as a

number of dissertations—since it opened in 1975 with the financial support of the Rockefeller Brothers Fund and the support of The Rockefeller University trustees.

A competitive grant-in-aid program, open to doctoral students as well as more established historians, assists scholars who wish to make use of the collections but might not otherwise be able to do so.

"The Rockefeller Archive Center is one of the leading collections of philanthropic history in this country," said Stapleton. "It is also the only one that brings together the papers of a major philanthropic family with the records of the institutions it helped create."

Members of the university community who have questions about the collection or about the history of the university should contact the campus archivist, Renee Mastrocco, at x8912.

The Rockefeller Archive Center in North Tarrytown can be reached at (914) 631-4505.

Full program to celebrate opening of new building

(continued from page 1)

the university's outreach program.

- "The Research Building and its Neighborhood," a photographic essay.

Tours

The Heintz lab, the first group to move into the John D. Rockefeller, Jr. and David Rockefeller Research Building, will be conducting tours of its new facilities on the fourth floor. Tours of the lab will begin at 2:00 and 3:00 P.M.

Physician-in-Chief Jules Hirsch and his colleagues are also organizing a tour of The Rockefeller University Hospital, one of the oldest buildings on campus. These tours, which leave from the lobby of the Hospital, will begin at 2:45 and 4:15 P.M.

Lectures

Two lectures will be given by Rockefeller University faculty. Professor Michael Young will speak on "Biological Clocks" at 2:30 P.M. in Tower 301. Professor Charles Gilbert will speak on "The Dynamic Brain" at 3:30 P.M. in Tower 305.

Employee Recognition Awards

The Employee Recognition Award Program—honoring faculty and staff celebrating their 10th or 20th anniversaries at the university—will be held at 4:00 P.M. on the ninth floor of the new building. A reception will follow.

"Everyone is invited to the Employee Recognition Award Program to lend support and camaraderie to those being honored," said Virginia Huffman, director of Personnel. "This year we are reviving the tradition of celebrating the Employee Recognition Program and the Anniversary and Retirement Dinner as separate events."

(The Anniversary and Retirement Dinner—honoring faculty and staff celebrating their 25th, 40th, 50th, and 60th anniversaries and those retiring after 10 or more years of service—will be held Thurs., Sept. 24, at 7:00 P.M., also on the ninth floor.)

Hemal Patel of the Personnel Office, who has been spearheading the coordination of these events, stresses that individuals who believe they have reached a special

milestone at the university but who have not yet received an invitation to the Employee Recognition Award Program or the Anniversary and Retirement Dinner, should contact her at x8303. "We don't want anyone to be disappointed," she said.

Volleyball

Campus volleyball teams will test their skills between 2:00 and 4:00 P.M. Individuals interested in participating on a faculty, student, and postdoc team, should contact Philip Melese, x8821; on a staff team, Doron Weber, x8968.

Jazz ensemble

Professional bassist Leon Maleson, who works as database coordinator in Faculty Administration, will perform with The Leon Maleson Jazz All Stars from 5:00 to 6:00 P.M. on the plaza outside the new building. In case of rain, the concert will be held in the atrium.

Questions about University Day, or other dedication events should be directed to the Public Affairs Office, x8967.

News&Notes is published each Friday throughout the academic year by The Rockefeller University, 1230 York Avenue, New York, NY 10021. Phone: 212-327-8967.

Torsten Wiesel, President
Ingrid Reed,
Vice President for Public Affairs and
Corporate Secretary
Doron Weber, Manager of Public Affairs

Mika Ono, Editor
Heather Leahy, Design
Robert Reichert, Photography

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

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Transgenic service lab engineers new research possibilities

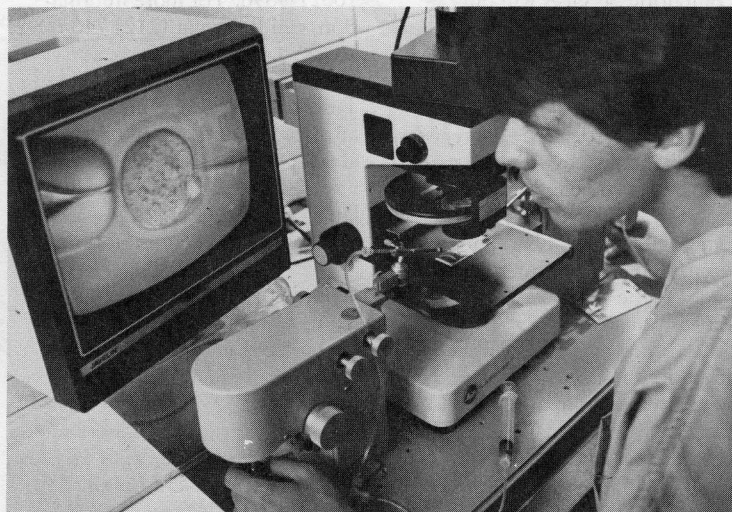
By Susan Blum

The Transgenic Service Laboratory is up and running on the fifth floor of The Laboratory Animal Research Center (LARC). The lab will serve as Rockefeller University's core facility for the creation and maintenance of all transgenic animals, the cryopreservation of mouse embryos, the refinement and development of new transgenic techniques, and the training of university personnel.

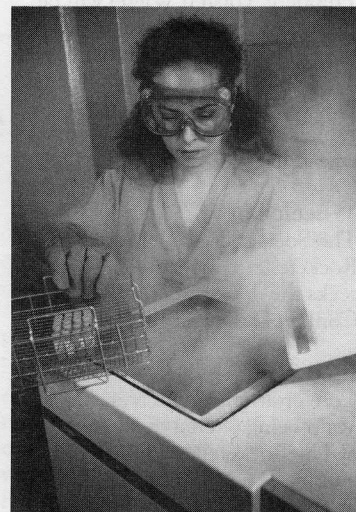
Although it officially opens this week, the laboratory has been offering some services since the spring. As the word has spread, inquiry calls have been coming in from research institutions around the country. "We're unique in providing so many different services in one facility. People want to learn how we're doing it," says Michael Hayre, LARC's director.

The interest is great because transgenic animals are playing an ever-increasing role in biological research. These animals harbor one or more "foreign" genes that have been manipulated by genetic engineering and then added to the animal's natural genetic endowment. Such manipulations permit a wide range of studies, from basic research into a gene's function to the creation of an animal model for a disease. So far, most transgenic animals are mice; but other animals, such as birds and fish, also offer promise for productive studies.

One type of transgenic technique inserts the gene of interest into animal "pronuclei," or fertilized eggs. While extremely useful,



Left: Using hand-made pipettes and high-tech video imaging equipment, Kirk Economides microinjects genetically-engineered DNA into a fertilized mouse egg. **Right:** Susan Powell freezes mouse eggs in the facility's cryopreservation room.



this method has some drawbacks: for one thing, researchers cannot control how well—or where—the gene will be inserted in the animal's chromosomes. A newer method, called "gene targeting," allows for greater control. By exploiting chromosomes' natural propensity to shuffle, or "recombine," researchers can completely "knock out" or debilitate a gene or replace it with another of their own devising.

The skilled staffers at Rockefeller's transgenic service lab are expert in both types of transgenic techniques, providing an unusual combination of capabilities that is a boon to researchers. Among the many Rockefeller investigators who have already availed themselves of the services

are researchers in the labs of Jan Geliebter, James Darnell, David Baltimore, Nat Heintz, Michel Nussenzweig, Jan Breslow, and John Ding-E Young. The facility will primarily serve the Rockefeller community, but scientists from other institutions will also be welcome to use it; researchers from as close by as Columbia University and Memorial Sloan-Kettering Cancer Center, and as far away as Austria, have already done so.

Though enormously useful, transgenic techniques are also extremely complicated and time-consuming. Now that the new facility is open, researchers will be able to enjoy the benefits of the techniques without having to deal with all of the hassles. "In most cases, if investigators give us well-prepared DNA, we'll be able to give them back some transgenic mice," says Annemarie Walsh, director of the Transgenic Service Laboratory. But for those researchers who prefer to perform the genetics who prefer to perform the genetics in their own labs, the staff of the new facility stands ready to provide any training that may be required on a personalized basis.

In addition to its transgenic services, the facility is one of the few nationwide to freeze and preserve mouse embryos. This "cryopreservation" capability means that genetically-altered lines of mice will be protected from the infections, accidents, and "genetic drift" that can threaten precious transgenic strains. Staff members are also researching better methods to freeze mouse sperm—a feat that has proved surprisingly difficult for scientists worldwide.

This research project is just one

of many to be undertaken at the new transgenic service lab. For example, Walsh and Bruce Scharf, a veterinary postdoc at LARC, are also exploring methods to create transgenic birds. Currently, most such studies are being conducted to benefit the poultry industry, and the Rockefeller researchers believe the work holds far greater promise for basic studies in such areas as neurobiology.

Walsh has personally trained the staff who will collaborate on the facility's varied research and service projects. She hopes that their talents will catalyze many productive interchanges between staff members and Rockefeller researchers eager to exploit the growing potential of transgenic techniques. To that end, she reports, the lab will soon hold an open house during which members of the Rockefeller community can meet the staff and learn more about the services offered by the lab.

Development of the Transgenic Service Facility was facilitated by a gift of \$150,000 from the Schering-Plough Research Institute, the research division of the major pharmaceutical company in New Jersey. Hayre has long-standing ties with Schering-Plough, having served as the company's associate director of animal care before becoming LARC's director in 1991. "We are enormously pleased that Schering-Plough has made such a generous contribution to our new facility," Hayre said. "My ties of affection and admiration for both Rockefeller and Schering-Plough are enormous, and I'm delighted that we have been able to build this bridge between the two institutions."



The staff of the new Transgenic Service Laboratory includes (left to right) Kaihua Wang, Susan Powell, Kirk Economides, Ruben Perazza, and Michelle Inserra. Annemarie Walsh (center) is the facility's director.

Potpourri

Honorary degree

President Torsten Wiesel will be presented with an honorary degree at Harvard University today (Sept. 11) as part of the celebration of a new research facility there for neurobiology, genetics, and blood research.

Wheelchair

The Social Service Unit of The Rockefeller University Hospital seeks the donation of a wheelchair. Contact Lanie Fleisher, x8415.

French classes

Conversational French classes are again being offered to all members of The Rockefeller University community. The classes will be taught by Anne-Lise Vernier, who also teaches French at the United Nations. Classes will meet for the first time Mon., Sept. 14, in Flexner 363. Those who have very little or no knowledge of French should come at 11:00 A.M. Those who feel comfortable carrying on a conversation in French, albeit at a simple level, should come at noon. The levels of the classes will be finalized after these meetings. There is no charge for these classes, which are sponsored by the Deans' Office. For further information, contact Christina McKittrick, x8625, or Barbara Kazmierczak, x8649.

New investment option

A new investment option, the Global Equities Account, is now available from College Retirement Equities Fund (CREF) for employees who participate in The Rockefeller University Retirement Plan or the Tax Deferred Annuity Plan (SRA). At least half of the assets in Global Equities Accounts will be invested in foreign stocks. For more information about this option, contact Benefits Manager Darryl Williams, x8297. In addition, TIAA-CREF offers a Participant Information Center service, available between 9:00 A.M. and 4:30 P.M., Monday through Friday, which can be reached at 1-800-842-2776. The center can provide information about individual accounts.

Medical and dental claims

A new telephone information service is now available for members of the Rockefeller community with questions about medical or dental claims with The Prudential. Call 1-800-257-8230, 8:00 A.M. to 5:00 P.M., Monday through Friday, to reach a customer service representative who can provide information about your claims.

Computer workshops

Computing Services will offer workshops starting next week. These and other workshops will now be offered year round. Classes are free but space is limited and registration is required. To register, call x8935 and leave a voice mail message or send electronic mail to login registration. Please include your name, box number, phone extension, lab/department, and the names of the courses and the dates you wish to attend.

Workshop schedules will be announced in *News&Notes* and posted in the Computing Services User Area, Smith Hall A21. The schedule for next week is:

Wed., Sept. 16: Microsoft Word for the Mac, Part I, 2:00-4:00 P.M.
Thurs., Sept. 17: Microsoft Word for the Mac, Part II, 2:00-4:00 P.M.
Fri., Sept. 18: Kermit for the Macintosh and PC, 2:00-4:00 P.M.

These courses are almost full; for the remaining slots one computer will be shared by two people. All workshops will be offered again.

Introduction to the Macintosh, Part I, Introduction to the Macintosh, Part II, and Introduction to Windows classes are full for September and October. Names will be taken for classes in November.

Art Show

Members of the Rockefeller community are invited to submit work to the Second Annual Medical Complex Art Show. Send no more than six slides or photographs of paintings, photographs, sculptures, mobiles, computer-generated creations or handicrafts by Sept. 15 to Helen-Ann Brown, Library Relations, Cornell Medical Library

(C-115), 1300 York Ave., NY 10021-4896. For more information, call Brown at (212) 746-6092.

Promotions

Toshiharu Suzuki, of the Greengard lab, was promoted from postdoctoral associate to visiting assistant professor. Judith Hirsch, of the Wiesel lab, was promoted from research associate to assistant professor.

Appointments

Adjunct Faculty: Robert Gale, Carter lab; Kenneth Rose, Archives; Randall Sakai, McEwen lab; Vance Zemon, Knight lab.

Guest Investigators: Marie-Paule Felder, Hanafusa lab; Vijay Hegde, Wiesel lab; Raphaël Monsalve, King lab; Klaus Obermayer, Atick lab; Hiroyuki Odaka, Breslow lab; C. Thomas Park, Cohn-Steinman lab; Norman Redlich, Atick lab;

Postdoctoral Associates:

Konstantina Alexandropoulos, Baltimore lab; Jason Bannan, Zabriskie lab; Eduardo Fajardo, Hanafusa lab; Donata Medaglini, Fischetti lab.

Postdoctoral Fellows: John Aitchison, Blobel lab; Mona Freidin, Pfaff lab; Zhaoping Li, Atick lab; Ulf Nehrbass, Blobel lab; Bert Oehlen, F. Cross lab; Yuhang Zhao, Hanafusa lab.

Research Associates: Akira Akabayashi, McEwen lab; Xiangpeng Kong, Kuriyan lab; Chithranjan Nath, Breslow lab; Jun Sukegawa, Blobel lab.

Scholar-In-Residence: John Sharpless, Archives.

Departures

Adjunct Faculty: Lester May, Tamm lab; Thomas Parker, Hayre lab; Victoria Schauf, Cohn-

Steinman lab; Pravinkumar Sehgal, Tamm lab; Andrea Vacchi, Goulianos lab.

Assistant Professors: Ellen Pure, Cohn-Steinman lab; Mark Rubin, Khuri lab.

Guest Investigators: Xiang-Chao Dong, Merrifield lab; Jack Grebb, Greengard lab; Thomas Martin, Hayre lab/LARC; Johan Molin, Kreek lab; Ling Ren, Chua lab; Carolyn Ristau, Nottebohm lab; Annika Scheynius, Cohn-Steinman lab; Shanping Wang, Chua lab;

Visiting Professors: Amiram Grinvald, Wiesel lab; Eric Siggia, Feigenbaum lab.

Visiting Associate Professor: Yuan-Feen Tsai, Pfaff lab.

Postdoctoral Associates: Navdeep Jaikaria, Muller lab; Hirotaka Koizumi, Ding-E Young lab; Wentian Li, Cohen lab; Bernardetta Nardelli, Merrifield lab; Hedy Teppler-Weiser, Cohn lab; Urs Widmer, Cerami lab.

Postdoctoral Fellows: Cory Brayton, Hayre lab; Thierry Calandra, Cohn-Steinman lab; Alex Gasch, Chua lab; David Holtzman, Pfaff lab; Rainer Kern, Friedman lab; Scott Mendelson, McEwen lab; Alex Peterhans, Konarska lab; Makoto Takano, Chua lab.

Senior Research Associate: Harvey Babich, Hayre lab/LARC.

Research Associates: Ximena Paez, McEwen lab/Leibowitz lab.

Correction

The mail room hours on Saturday are now 8:30 A.M. to 2:30 P.M., not 8:30 A.M. to 1:00 P.M. and 1:30 to 4:30 P.M. as stated in an article in the last issue of *News&Notes*.



The 1992-93 *Scientific and Educational Programs Guide* (SEP), available from the Public Affairs Office beginning next Monday, features this photo of the campus on its cover.

1992 SEP arrives

The Rockefeller University 1992-93 *Scientific and Educational Programs Guide* (SEP) will be available beginning Mon., Sept. 14, from the Public Affairs Office, Nurses Residence second floor.

Everyone on campus is entitled to one copy of the catalog without charge. A group representative may pick up copies for everyone in his or her laboratory or department.

Those wishing to order multiple copies of the SEP, at \$8 per copy, should contact Enid Goldberg, x8969, or Patricia Sadiq, x8967. Individuals placing bulk orders should have an account number on hand.