

2006 ANNUAL REPORT

... Sense of Place ...



DONALD DANFORTH
PLANT SCIENCE CENTER

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The Donald Danforth Plant Science Center is a not-for-profit research institute dedicated to using plant science to improve the human condition. It is our hope that the new knowledge and techniques discovered by the scientists at the Danforth Center will contribute to feeding the hungry and improving human health, preserving and renewing our environment, and enhancing the St. Louis region as a world center for plant science.



FOREWORD

Founded in 1998, the Donald Danforth Plant Science Center is home to over 175 scientists who are conducting fundamental research with short-, mid-, or long-term applied goals.

Research team leaders, referred to as Principal Investigators, have strong interdisciplinary research skills and diverse training. They are engaged in collaborations with other research groups at the Danforth Center, with members of the Danforth Center Alliance, and with other researchers across the country — and the globe.

The Danforth Center facility opened in October 2001. It houses state-of-the-art greenhouse and plant growth chambers as well as cutting-edge equipment and facilities for protein crystallography, cell and tissue culture, proteomics and mass spectrometry, and integrated microscopy capable of live cell imaging.

Research at the Center is organized around four research areas to efficiently deliver plant science solutions to meet the global needs of agriculture and human health and nutrition.

A distinguishing feature of the Center is the commitment to training and engaging in research with colleagues from developing countries as well as to selecting projects that lead to products designed for use in less developed countries.



What makes a place unique? What causes a building to be more than a building? What gives a space and its inhabitants a sense of place?



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All who have contact with the Donald Danforth Plant Science Center can sense that this is a special place. And for places, like plants, the quality and characteristics of what is produced depends on the environment in which it grows.

The Danforth Center brings together world-class scientists and builds global alliances to accomplish what no single individual or institution could do. The knowledge that is produced here addresses important challenges facing humankind.

People can make spaces special by naming them, but more often they choose to name places because they are special. This report highlights the Danforth Center's important accomplishments.

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In 2006, the Danforth Center celebrated five years in its state-of-the-art research building. The formal dedication of the \$75 million facility occurred on November 2, 2001 and was attended by more than 600 business, civic, and academic leaders.

Designed and developed by Nicholas Grimshaw & Partners of London, England, and Hellmuth, Obata & Kassabaum of St. Louis, the innovative space provides outstanding research and training facilities, a library, a lecture auditorium with video-conferencing capabilities, compartmentalized

greenhouses, and environmentally-controlled growth chambers and growth rooms.

Scientific buildings are notoriously expensive to build and maintain. Air cannot be re-circulated, instead, it must be replaced and air flow, temperature, and humidity must be scrupulously monitored and maintained. Electrical supplies to greenhouses, growth chambers, and labs containing ultra-cold freezers and other sensitive equipment must be adequately backed up to prevent disruption of experiments. Problems such as



Danforth Facility Celebrates *Fifth Anniversary*

vibration, radiation, and magnetic fields must be minimized so that instruments function properly.

The Danforth Center designers also faced the practical and creative challenge of seamlessly integrating functional laboratory and public spaces, all while trying to keep the building as low-energy and “green” as possible.

After five years in the space, it is clear that the Danforth Center designers, builders, and engineers did their jobs well. The power has never gone down (even during numerous regional power

outages in 2006), and the greenhouses, which were designed before many scientists arrived at the Center, are proving to be remarkably functional. As anyone who has visited the Center can attest, the incorporation of special- and multi-purpose research and public spaces is truly remarkable.

Speaking for those who work at the Danforth Center, as well as on its behalf, Howard Beittenmiller, Director of Facilities & Support Services for the Danforth Center puts it best: **“This building works!”**



LETTER FROM THE CHAIRMAN

The wonderful new gift of \$25 million from Jack and Susan Taylor to establish **the Enterprise Rent-A-Car Institute for Renewable Fuels provides an important new opportunity for the Donald Danforth Plant Science Center to do what it was created to do, to use**

plant science for the betterment of humankind, in this case helping to discover how we can harness the energy from the sun in a sustainable way.

(For those who want to know more about the remarkable man who founded

Enterprise Rent-A-Car, his son, Andy, and their colleagues, I recommend a readable and inspiring book, *Exceeding Customer Expectations*, by Kirk Kazanjian.)



The challenge of renewable biofuels is growing. The world's advancing civilizations require and use enormous amounts of energy, eighty percent from fossil fuels, oil, coal and natural gas. When the products of fossil fuels are burned, carbon dioxide is released into the air. For example, gasoline burning in the cylinders of cars passes into the exhaust adding to the total carbon dioxide in the atmosphere. The continued build up of carbon dioxide has in recent years contributed to a "greenhouse effect" and the warming of the planet. Many have sounded the alarm warning of detrimental climatic changes and rising sea levels. Scientists and policy makers struggle to come up with solutions.

One important approach is the recycling of carbon dioxide. Plants capture carbon dioxide from the atmosphere and fix it in their structures. Then, if the plant is burned as fuel, carbon dioxide that came from the air is again released into the air, maintaining a steady carbon balance. It is a bit like recycling newspapers.

LETTER FROM THE PRESIDENT

The year 2006 brought a number of opportunities and challenges to the Danforth Center, all of which prepare the Center well for the future. We were enriched when Drs. Toni Kutchan and Meinhart Zenk relocated their research teams from Halle University in Germany to the Danforth Center, and when several of our senior and junior scientists were recognized for outstanding research by scientific academies, government awards, and the receipt of research grants and contracts. We were proud when our post-docs ranked the Center amongst the top places in which to conduct their research in an international survey conducted by *The Scientist* magazine.

The Danforth Center is becoming its own place, with its own culture and special environment for conducting cutting-edge research.

Like other research institutions, we have experienced setbacks in some studies and made breakthroughs in others. One of the strengths of the scientific enterprise is that we learn from both experiences to become stronger and more focused. New research projects will expand our scientific enterprise in areas as diverse as defining the molecular structures of



It is easy to imagine how this recycling would slow and perhaps eventually halt the build-up of atmospheric carbon dioxide, but getting from here to there is very challenging. Production of crops per acre must be increased, for plants are and will still be needed for food. One needs to solve another scientific and engineering problem: getting liquid fuels from the whole plant, from the stalks and leaves as well as from the kernels. Whatever processes are used must be very efficient, for it will not do to use too much energy in the production of a biofuel. More cars that can use fuels from plants will be necessary, as will gas stations that handle the fuel and distribution systems that transport it, and on and on. Our lifestyles and ways of manufacturing will have to be less demanding of energy. One can add many other issues to be solved.

If the energy challenge were not so important to the future of our grandchildren, it would be tempting to delay facing it, but we cannot, for it gets worse every day.

Success will require the best of scientists, engineers, industrial planners, business people and government officials. Progress will be gradual. I predict that this important problem will consume Americans and the rest of the world for several generations. But we must begin. There are few, if any more important challenges. We will have to rely, as we humans always have, on human ingenuity, which in its advanced and organized form is embodied in science and in engineering.

We at the Donald Danforth Plant Science Center and we in the St. Louis region are blessed to have an opportunity to contribute our bit to this world-wide challenge.



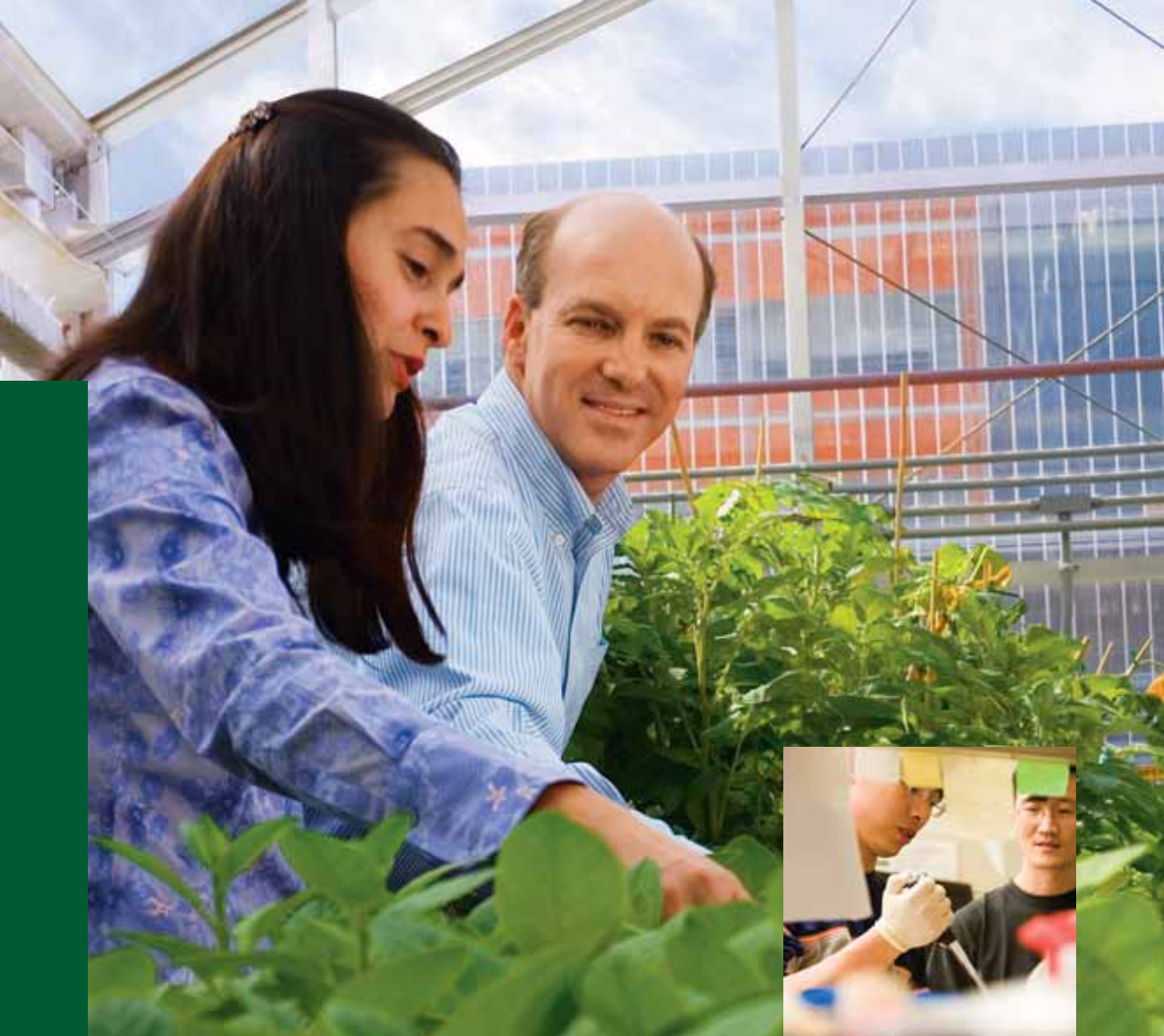
William H. Danforth, M.D.
Chairman of the Board of Trustees

proteins and processes that regulate a genetic disease in newborns, or controlling disease in plants; to studies that enhance the production of energy-rich products that will produce biofuels; and research to improve the tolerance of plants to drought or to reduce the impact of agriculture on the environment.

Through the year we gained the trust of our friends to continue and increase their financial support of our mission. Some of these exciting changes are described in this Annual Report for 2006 and will, I hope, convey the excitement of the Danforth Center as **a place that is growing and changing, becoming an institution that “enhances the human condition through plant science.”**



Roger N. Beachy, Ph.D.
President



A Place to Make a *Difference*

... •

This is an exciting time at the Danforth Center — a time where momentum and commitment is turning plans and ideas into concrete realities. Support for the hard work of world-class scientists makes a difference for the region — and the planet.

New Institute Established for Renewable Fuels

Generous Gift from Jack and Susan Taylor Establishes New Enterprise Rent-A-Car Institute for Renewable Fuels

In February 2007, the Danforth Center announced a \$25 million gift from Jack and Susan Taylor to create the new Enterprise Rent-A-Car Institute for Renewable Fuels at the Donald Danforth Plant Science Center.

Named for the company Jack Taylor founded in 1957 and that is still owned and operated by members of the Taylor family, **the Institute will deepen the scientific expertise of the Danforth Center and fund its scientists to work on one of the great challenges facing our nation: the development of plant-based renewable biofuels that will reduce the current dependency on petroleum and decrease future levels of greenhouse gases in the atmosphere.**

Andrew C. Taylor, chairman and CEO of Enterprise Rent-A-Car noted, “for 50 years, this company that my father built from the ground up has relied on the availability of vehicles and fuel. Today, more than ever, it is essential that we pursue new energy sources that will sustain not only our business, but also the environment around us for future generations.”

Center President Roger Beachy indicated that a distinguished scientific leader with strong credentials in renewable biofuels research will be recruited to serve as Director of the Enterprise Rent-A-Car Institute for Renewable Fuels.

The Taylor’s generous gift — which follows an earlier \$10 million gift from Jack and Susan Taylor and their family — completed the match for the \$50 million challenge grant provided by the Danforth Foundation in November 2004, and positions the Center to focus its *Campaign for a Green Future* on building an endowment large enough to achieve long-term, full financial sustainability.

Supporting E85 FlexFuel vehicles

Enterprise Foundation President JoAnn Taylor Kindle, Andy Taylor and Barbara Taylor celebrate the Institute which will support research into biofuels such as E85 for FlexFuel vehicles.





Monsanto Fund Supports the Center's Vision and Mission

Gift Supports *Campaign For A Green Future* and Research to Target African Food Security

In September, the Donald Danforth Plant Science Center announced a \$15 million gift from the Monsanto Fund to support the Center's vision and mission. \$7.5 million of the gift was given in support of the Center's successful *Campaign for a Green Future*, while \$7.5 million will go directly to research to develop high-yield crops for Africa.

"Monsanto Company and the Monsanto Fund have been important partners in the formation of the Danforth Center and vital to our ongoing success," explained Danforth Center Chairman Dr. William H. Danforth (pictured above, left). "We greatly appreciate the gift from the Fund to the *Campaign for a Green Future*, and its role in the long-term success of the Center in achieving our mission."

The Monsanto Fund is the philanthropic arm of the Monsanto Company. Incorporated in 1964, the Fund's primary objective is to improve the lives of people by bridging the gap between their needs and their resources. One area of interest for the Monsanto Fund's grant-making is nutritional well-being through agriculture.

"The Monsanto Fund's commitment to food security is underscored through this gift to the Danforth Center. We contribute funding to put important agricultural technology tools into the hands of farmers who need them through relationships like those with the Danforth Center," said Gerald A. Steiner (pictured above, middle), a Monsanto Fund Board Member and Executive Vice President of Monsanto Company. **"The Danforth Center's work builds on Monsanto Company's strong commitment to sharing technology and devoting resources to efforts that benefit the developing world."**

Mr. & Mrs. Jack C. Taylor Greenhouse

With friends and employees of the Danforth Center looking on, Jack and Susan Taylor cut the ribbon officially opening the Mr. and Mrs. Jack C. Taylor Greenhouse on June 1, 2006. The ribbon-cutting followed a ceremony featuring remarks by Dr. William Danforth and Dr. Roger Beachy, as well as Mr. Taylor, the founder of Enterprise Rent-A-Car.

After the ceremony, guests enjoyed a reception in the greenhouse and tours of the space that featured information about the plants grown there and opportunities to speak with Danforth scientists about their research.

The dedication of the Mr. and Mrs. Jack C. Taylor Greenhouse followed the Taylor family's landmark \$10 million gift to the Danforth Center in 2005. **Given the significance of the Taylor family's generous support for the Danforth Center, it is fitting that their name is now affiliated with a research facility** that is so important for the work and success of the Danforth Center.



Kemper Reflecting Pool Welcomes Danforth Center Visitors



The reflecting pool and fountain in front of the main entrance to the Danforth Center has a new name, thanks to a generous gift from the William T. Kemper Foundation. The Kemper Reflecting Pool was designed and engineered by Hydro Dramatics, a St. Louis area design firm specializing in fountains and other water features.

When full, the Kemper Reflecting Pool contains nearly 100,000 gallons of water. It also features a sculptural fountain consisting of eleven hose nozzles. The nozzles project water in arcs that, when viewed from the side, create a visual impression that echoes the Danforth Center logo. Surrounded by trees and flowers and circled by a walking path, **the Kemper Reflecting Pool provides a serene and striking welcome for all who enter the Danforth Center.**

A Place *Where* Things Happen

The Danforth Center is not only a place for scientific research — it is a place to grow, to learn, and to make real changes in the world. What takes place here sets a precedent for other institutions and companies looking to make a difference — and gives credit to those who help to make things happen.



“Best Places to Work in 2006”

Readers of *The Scientist* magazine ranked the Donald Danforth Plant Science Center as one of the best places to work in academia in the United States, according to survey results published in the October 2006 issue.

Survey respondents voted personal fulfillment as the number one factor in determining workplace satisfaction for the second year in a row. Peer relations, institutional management and tenure procedures also ranked among the most important factors, as determined from more than 1,500 survey responses.

The Scientist has conducted three Best Places to Work surveys each year since 2003. These surveys

aim to find what aspects of the workplace are most important for job satisfaction, and identify institutions that measure up to those standards.

The Donald Danforth Plant Science Center was also named to the “Best Places to Work: Postdoc” list in 2006. Home to more than 80 postdoctoral scientists from more than 20 countries, these individuals form the primary work force and “brain trust” of the Danforth Center. Center President, Dr. Roger Beachy, noted that the recognition is an “important achievement demonstrating that since its founding, the Center is successfully fostering the development of scientists in a short period of time.”

***The Scientist* Magazine
Ranked the Center in
the Top 15 U.S. Academic
Institutions**

**Danforth Center Ranked
as One of the Top Places
for Postdocs to Work**



Center Helps to Create Biofuels Roadmap

The Danforth Center Partners with RCGA to Develop Regional Strategy

Throughout 2006, the Danforth Center was actively engaged in efforts to establish St. Louis as a leader in biofuels. Partnering with the St. Louis Regional Chamber and Growth Association (RCGA) to develop the area's roadmap for biofuels, the Danforth Center enlisted biofuels expert Dr. James McLaren of StrathKirn Inc. to identify strengths and strategies for St. Louis biofuels.

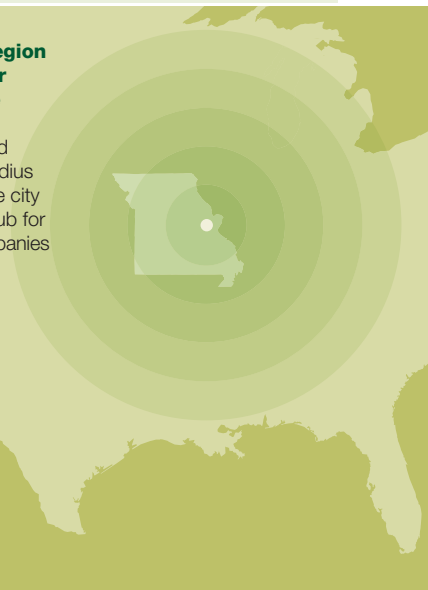
Dr. McLaren highlighted the need for a biofuels advocacy organization that could facilitate collaboration among scientific organizations and research laboratories, as well as help shape federal public policy. In response, the Danforth Center and the RCGA led a regional group of business, civic and university leaders to create the Center for Evergreen Energy (CE²) and outlined a mission for this new organization.

In addition to work on behalf of St. Louis' biofuels efforts, the Danforth Center actively worked with the Governor's Advisory Council on Plant Biotechnology to support the development of biofuels initiatives statewide. Governor Matt Blunt moved forward with legislation mandating that Missouri's gasoline contain 10 percent ethanol by 2008. And thanks to the hard work of Drs. Beachy and Danforth championing Missouri's plant science industry, Governor Blunt signed the bill into law at the Danforth Center during the summer of 2006.



Enhancing our region as a world center for plant science

50 percent of U.S. agriculture is located within a 500 mile radius of St. Louis, and the city itself is a growing hub for biotechnology companies and research.



PLANTASIA



2006 Event Celebrates Milestones, Honors Taylor and Clutter for Support of Plant Science

On September 26, 2006 over 250 friends of the Danforth Center celebrated the year's milestones and accomplishments. This special evening of appreciation for members of the Danforth Society featured the presentation of two key awards. Jack C. Taylor was honored with the Danforth Distinguished Service Award for his role in supporting the development of St. Louis as an international center for plant science. Dr. Mary E. Clutter was recognized with the Danforth Award for Plant Science for her outstanding achievement and service in plant science.



Top photo:

Awardees Dr. Mary Clutter and Jack Taylor are joined by Drs. Danforth and Beachy

Bottom photo:

Andy and Barbara Taylor, with magical sprites

Jack C. Taylor, the founder of Enterprise Rent-A-Car, has been a generous supporter of the Danforth Center. In addition to making the first major contribution to the *Campaign for a Green Future*, his support has underwritten the Mr. and Mrs. Jack C. Taylor Greenhouse as well as the newly announced Enterprise Rent-A-Car Institute for Renewable Fuels at the Danforth Center.

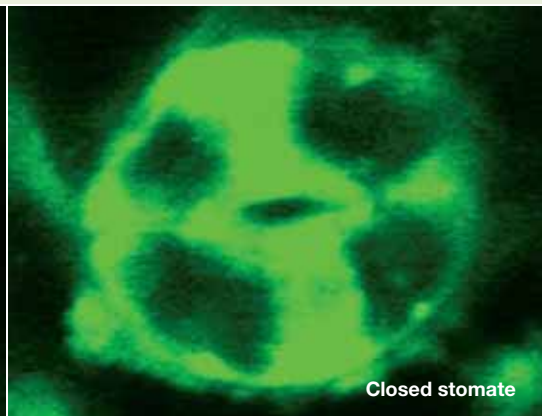
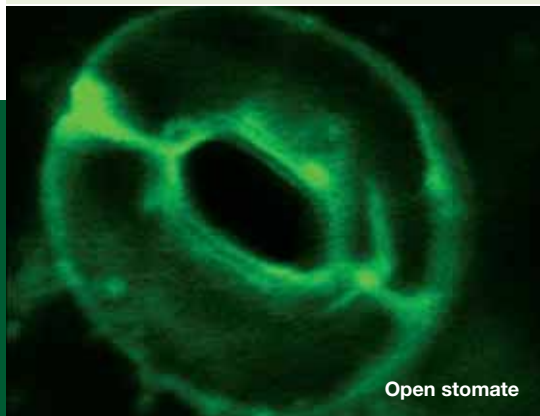
Dr. Clutter is the former head of the Biological Sciences Directorate at the National Science Foundation. In particular, Dr. Clutter has an outstanding record of service to the discipline of plant science that includes leadership positions on numerous governmental and scientific advisory boards and the receipt of multiple professional honors.



A Place for Research

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The heart of what happens at the Danforth Center is the research conducted by its 20 scientific groups and 175 scientific employees. An impressive list of publications and awards has raised the Center's visibility and secured its scientific reputation.

Center Investigator Sheds Light on Drought Tolerance



Research Identifies Key Protein in Plant Survival

Dr. Xuemin “Sam” Wang, a Danforth Plant Science Center Principal Investigator and an E. Desmond Lee and Family Endowed Professor in the Department of Biology at the University of Missouri-St. Louis, published findings in the April 14, 2006 issue of the journal *Science* that shed new light on how plants can be genetically enhanced to use less water. Dr. Wang and his collaborators identified a protein responsible for regulating the opening and closing of plant stomates — the pores on leaves through which carbon dioxide is taken in and water is released (photo of an open and closed stomata is shown in the two images above).

“Closure of stomata is crucial to reducing water loss and maintaining water within the plant during dry periods, thus increasing the likelihood that the plant will survive,” Dr. Wang explained.

“These findings provide detailed insight into how plants regulate and retain water, and offer clues that may eventually lead to developing drought-tolerant crops,” announced Danforth Center President Dr. Roger Beachy. “This research involving the University of Missouri-St. Louis and the Danforth Center also demonstrates the power of regional collaboration.”

Building on this discovery, scientists may one day produce plants that can regulate hydration during periods of drought. This could lead to crops that require less water, a critical consideration in a world where fresh water is an increasingly scarce resource and rising irrigation costs are measured in more than dollars.

Danforth Scientist Receives Presidential Award

Dr. Jez Recognized for USDA-Funded Research and Award Provides \$340,000 Over Five Years to Further Research Initiatives

Dr. Joseph Jez, Principal Investigator at the Donald Danforth Plant Science Center, received the prestigious Presidential Early Career Award for Scientists and Engineers (PECASE) during a ceremony at the White House. John H. Marburger III, Science Advisor to the President and Director of the White House Office of

Science and Technology Policy, presented the award to Dr. Jez.

These awards are the highest honor bestowed by the U.S. government on outstanding scientists and engineers early in their independent research careers. Dr. Jez was one of fifty-six researchers honored and one of three scientists representing research currently funded by the U.S. Department of Agriculture.

“Receiving the PECASE is a great honor and participating in a ceremony at the White House with the President was an amazing experience,” Dr. Jez said. “This award really energizes my research efforts

addressing novel questions in basic plant science.”

Jez was recognized for his USDA-funded research focusing on sulfur deficiency, a growing problem for agriculture that can result in decreased crop quality and yields. Understanding the regulation of sulfur assimilation will improve nutritional content.



Scientists Isolate Possible Low-allergen Soybeans

Lines from China Grow Without Protein Linked to Allergies

In a collaboration involving scientists at a USDA-Agricultural Research Service lab at the Donald Danforth Plant Science Center and the University of Illinois at Urbana-Champaign, **researchers isolated two soybean lines originating in China that grow without the primary protein linked to soy allergies in children and adults.**

The protein, known as P34, was discovered in the 1990s by Dr. Eliot M. Herman, a USDA-Agricultural Research Service scientist working at the Danforth Center. Dr. Herman has also successfully used a gene-silencing technique to create a soybean line in which P34 was “knocked out.”

Danforth Team Finds Potential Cure for Rare Disorder

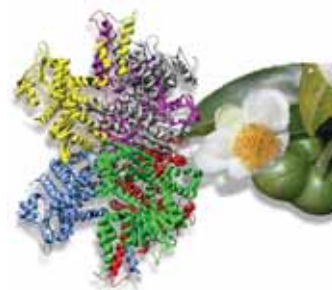
Compounds in Green Tea Help Control Insulin Secretion

A research team led by Donald Danforth Plant Science Center Principal Investigator Dr. Thomas Smith discovered that green tea could provide a potential new therapy for a rare, but often fatal, genetic disorder known as hyperinsulin/hyperammonemia (HI/HA) syndrome.

The collaboration with The Children's Hospital of Philadelphia and the University of Pennsylvania School of Medicine, determined that two compounds found in green tea can play a significant role in modulating human insulin production.

"The release of insulin from the pancreas is a finely tuned process. If the pancreas releases too little insulin, this can lead to diabetes. But if the pancreas secretes too much insulin, this can result in coma and death. In HI/HA syndrome, an enzyme mutation causes patients tend to secrete too much insulin. We found that these green tea compounds act directly on the mutated enzyme and appear to 'reign in' insulin secretion," Dr. Smith explained.

Theoretically, this new drug target could also hold promise for the treatment of Type 2 diabetes. As Danforth Center President, Dr. Roger N. Beachy notes, **"Such discoveries are the tip of the iceberg that awaits as plant biologists work together with scientists in other disciplines to identify areas of common interest and potential applications."**



Because the newly identified lines occur naturally, they can be successfully crossed into other soybean lines without using genetic engineering, according to the scientists.

The research, which was funded primarily by the Illinois-Missouri Biotechnology Alliance, is significant at a time when six to eight percent of children are allergic to soy-based products, and two percent of adults have had allergic reactions ranging from minor to severe. Avoiding soy products is becoming more difficult because of the use of soy-based fillers in many foods. The two lines are already adapted to Illinois-like growing conditions and will be provided to breeders seeking to produce new varieties of allergy-free soybeans.



A Place That is *Growing*



A place for research is only as good as the people who work there, and the Danforth Center continues to recruit investigators who are leaders in their field and to attract the best and the brightest scientists-in-training.



Kutchan, Zenk Join Danforth Center

Expert on Plant Natural Products, Dr. Kutchan Returns to Midwest



Dr. Toni M. Kutchan is the newest Member and Principal Investigator at the Danforth Center. An internationally recognized expert in the molecular

genetics and biochemistry of plant natural products, especially molecules known as alkaloids, Dr. Kutchan brings significant new expertise to the Center.

Dr. Kutchan earned her Ph.D. in biochemistry from St. Louis University and completed a postdoctoral fellowship at Washington State University. She spent nearly two decades working in Europe, first at the University of Munich and then as Managing Director of the Leibniz Institute of Plant Biochemistry. However, at some point, Dr. Kutchan felt the tug of her “Midwestern roots.”

“It’s a real pleasure to be back, and even better to join a prestigious institution like the Danforth Center, where both the physical facility and the mix of scientific talent have been so carefully thought out to ensure the highest level of success,” she says.

“The mission of the Danforth Center fits perfectly with my research goals,” she continues. “Plant alkaloids, such as morphine and codeine, and other plant-derived medicines, are so important for treating a wide variety of diseases and conditions. Ultimately, it would be great to be able to ‘tweak’ plants to produce more of the medicines that people need,” she added.

Dr. Zenk Renowned for Work in Native Germany



A leader in the field of plant biochemistry, Dr. Zenk has built a worldwide reputation for his work on the synthesis of plant alkaloids and other compounds. In addition to

the identification of endogenous morphine in the human brain, **his pioneering work describing a new group of heavy metal-binding polypeptides in plants known as phytochelatins holds great interest for ecologists interested in exploring plants as potential processors of heavy metal detoxification.**

Before coming to the Danforth Center, Dr. Zenk was a professor and conducted research for over 40 years in his native Germany. During that time, he supervised approximately 70 Ph.D. students. Now retired from teaching, Dr. Zenk is glad to focus on his research at the Danforth Center and in collaboration with scientists at Washington University and around the world. He also holds an adjunct professorship in the Department of Anesthesiology at the Washington University School of Medicine.

He is the recipient of numerous awards and a special issue of the journal *Phytochemistry* was dedicated to Dr. Zenk in 2003. He served for more than 20 years on the German equivalent of the National Science Foundation, and in 1992, he was elected to the National Academy of Sciences as a foreign associate.

Selected Financial Data

2006 Revenues and Expenditures

(Dollars in Thousands)

Donald Danforth Plant Science Center

Fiscal Year Ended December 31, 2006

Unrestricted Revenues (Cash Basis)⁽¹⁾

	REVENUE	SOURCE %
Corporate/Foundation Gifts	\$ 516	5.2%
Individual Gifts	863	8.6%
Grants & Contracts — Research	8,129	81.2%
Program and Service Income	254	2.5%
Other Income	247	2.5%
Total Revenues	\$10,009	100.0%

Operating Expenditures⁽²⁾

	EXPENDITURES	EXPENDITURE %
Total Research/Science	\$15,441	81.5%
Administration	2,502	13.2%
Development and Public Relations	997	5.3%
Total Expenses from Continuing Operations	\$18,940	100.0%

Capital Expenditures

Laboratory Equipment Purchases	\$ 241
Other Capital Expenditures	\$ 355

Depreciation Expense

Depreciation of Fixed Assets	\$ 3,748
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Notes:

(1) Excludes gifts restricted for endowment, income from investments and reimbursement for the cost of subcontracted research on Grants and Contracts.

(2) Excludes the cost of subcontracted research on Grants and Contracts.

2006 Friends and Danforth Center Donors

Donald Danforth Plant Science Center Annual Giving

Gifts received between January 1, 2006 and December 31, 2006

Major Gift Support

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The Danforth Foundation
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(\$5,000 – \$9,999)

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Jack & Nancy Lee Barsanti*
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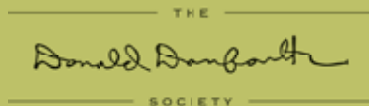
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(\$2,500 - \$4,999)

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The Honorable &
Mrs. John C. Danforth*
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Donald Danforth Society Recognizes Leading Annual Fund Donors



In 2006, the Danforth Center announced a new annual fund donor recognition program — The Donald Danforth Society. Its members generously support the Center's annual fund. Their gifts are among the Center's most valuable resources, for they provide the Center with flexible, unrestricted resources necessary to set its own priorities and respond to opportunities uncovered by its scientists. The valued members are in the tradition and philanthropic spirit of Donald Danforth, Sr., and Donald Danforth, Jr.

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> **Plant-Made Pharmaceuticals: Crops, Not Just for Breakfast Anymore...**

Plant-made pharmaceuticals are a renewable alternative to traditional pharmaceuticals and offer innovated treatments for a variety of diseases including cancer, heart disease, diabetes, and obesity. Dr. Kutchan and Dr. Miller explored issues related to the use, development, and production of such compounds.

Featured Speakers:

Dr. Toni Kutchan
Lead Scientist at the
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> **Food Allergies: Treating the Patient and Changing the Plant...**

Approximately 11 million Americans suffer from food allergies with roughly 90 percent of allergic reactions caused by only eight different foods. Dr. Slavin and Dr. Herman explored the extent and significance of food allergies and discussed issues surrounding their prevention and treatment.

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> **Global and Local Milestones in Plant Science...**

Dr. Beachy and Dr. Fraley worked together on the first field trial of the virus resistant tomato, the first genetically modified food crop. In this conversation, they discussed progress during the first 20 years of the biotech industry and the exciting future ahead.

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