

SUMMER / FALL 2005

### NEWS FROM THE CANCER RESEARCH CENTER OF HAWAI'I

VOLUME 6, ISSUE 2

U.H. School

of Medicine

# Director's Message Plans Moving Forward

We have exciting news. The plans for the new Cancer Center are proceeding. At a special session on March 30, the UH Board of Regents selected developer Townsend Capital,



Dr. Carl-Wilhelm Vogel

LLC and Zimmer Gunsul Frasca (ZGF) Partnership, an architectural firm with significant experience designing cancer centers, to formalize a comprehensive real estate agreement with the University to build the new

cancer center facility in Kakaako. (See accompanying story.) Senior UH administrators and Center administrators, faculty and staff have been meeting with the architectural team on a bi-weekly basis for detailed space planning of the new

facility. In addition, the UH has engaged a national firm, ECG Management Consultants, to develop a governance structure of the new cancer center for the clinical services, which will be jointly operated by the UH and several hospitals from within the State of Hawai'i.

I'm delighted that a task force consisting of representatives from Tripler Army Medical Center and our Cancer Center is working on implementation of a long-term cooperative agreement that will initially involve a joint

(continued on back page)

# Exciting News Developer Selected for New Cancer Center Facility

ownsend Capital LLC, a Maryland-based development team with major experience in medical facilities, has been selected to design, build, finance, and oversee construction of the new Cancer Research Center facility in Kakaako. During a special meeting in March of this year, the University of Hawai'i Board of Regents authorized the UH Administration to enter into a real estate agreement with Townsend Capital. This agreement brings a new cancer center closer to reality.

The cancer center will be approximately 360,000 square feet in size and will be built on a vacant 5.5-acre lot adjacent to the UH School of Medicine (see aerial view). Features of the proposed center would include research laboratories, an outpatient clinic for cancer and ancillary services, and physicians' offices.



Townsend's design-build team includes Zimmer Gunsul Frasca Partnership of Oregon, Architects Hawaii, Ltd., and McCarthy Building Co., Inc. of Missouri. Zimmer Gunsul Frasca Partnership, an architectural firm, has worked with Fred (continued on page 6)

The Cancer Research Center will be built on a 5.5 acre lot adjacent to the UH School of Medicine. The aerial view includes the architects' preliminary design of the Cancer Research Center facility. Shown in the inset photo (left) is the architects' conceptual design for the facility.

Site of Future Cancer Center

## President's Message Friends Helping Friends

Dear Friends:

As you may know, the main role of the Friends of the Cancer Research Center of Hawai'i is to promote community support for cancer research and education. One of our organization's



Rick Humphreys

functions is to also assist the Cancer Research Center with fund raising as well as the Center's funding for special projects.

For the past four years, the Friends has been pleased to present "The Mauka Makai...Voyage of Discovery" as a benefit for the Cancer Research Center. We believe this year's event will be bigger than ever. The Mauka Makai Merchant Street Oktoberfest will be held on October 8. Our very own Friends board member

**Don Murphy** has generously offered his popular downtown restaurant, Murphy's Bar & Grill, as the venue for our annual fund raiser. The Mauka Makai Committee is hard at work to ensure another enjoyable evening, filled with great food, entertainment, fellow-

ship, and a wide assortment of live and silent auction items. We're pleased to honor my predecessor, former Friends President **John W. Landraf**, with the Mauka Makai Award. (See story in this newsletter for more details.) We look forward to seeing you.

In regards to assisting the Cancer Center with funding some of its projects, the Friends is pleased to provide funding up to \$50,000 for the first year for two clinical research data entry assistant positions for the Clinical Trials Unit. The temporary, full-time assistant is already onboard, and a subsequent permanent, half-time position will open shortly. These individuals' primary task is to help develop and maintain the web pages on clinical trials for the Cancer Research Center web site. They will be responsible for writing study summaries, fact sheets

## National News Study Finds Processed Meats Linked To Increased Risk of Pancreatic Cancer

A large multiethnic study conducted at the Cancer Research Center of Hawai'i and the University of Southern California has found that heavy consumption of hot dogs, sausages and

luncheon meats, as well as turkey hot dogs and turkey sausage, is linked to an increased risk of developing pancreatic cancer. The findings, which generated considerable national media



Dr. Uta Nöthlings

coverage, were among the most significant discoveries reported at the 96th Annual Meeting of the American

> Association for Cancer Research in April in Los Angeles.

"The results suggest that it is not the fat or cholesterol content of these foods but rather that

chemical reactions that occur during meat preparation might be responsible for the association with pancreatic cancer," says **Dr. Ute Nöthlings**, a postdoctoral fellow at the Cancer Research Center and the study's lead investigator. "Such chemical reactions can produce carcinogens."

For this study, researchers at both institutions examined the relationship of diet to pancreatic cancer among 190,545 men and women of African-American, Japanese-American, Caucasian, Latino and Native Hawaiian origin who were part of the Multiethnic Cohort S tu d y in Hawai'i and Los Angeles. An average follow-up of seven years produced 482 cases of pancreatic cancer.

Researchers found that a heavy consumption of processed meats resulted in the highest risk for pancreatic cancer, after adjusting for age, smoking status, a history of diabetes, and family history of pancreatic cancer. Individuals who ate an average of 40 grams (1-1/2 ounces) of processed meats per day had a 67 percent increase in risk over participants who didn't eat as much from this food category. A diet high in pork and red meat also increased pancreatic cancer risk by about 50 percent,

compared to those who ate less of these meats. "This

presents an important piece of evidence that a reduced intake of red meat and

processed meat can possibly lower a person's chances of getting the disease," Dr. Nöthlings continues.

"This study is the largest of its kind to demonstrate a link between high consumption of processed meats over

long periods of time and pancreatic cancer," she adds. "The sample size allowed us to obtain statistically significant risk-estimates that support this hypothesis."

(continued on back page)

## One of 15 Organizations Awarded **New Contract Focuses on Cancer Control** Priorities in Hawaii and the Pacific

By Hali Robinett, Project Director, CIS, Pacific Region

he UH Cancer Research Center of Hawai'i has been awarded another five-year contract to operate the National Cancer Institute's (NCI) Cancer Information Service (CIS), Pacific Region. This \$3.3 million award, supplemented with additional funds from the Cancer Center, will support the program's continued efforts to address cancer control priorities in Hawai'i and the U.S. Pacific territories. The Center has operated the CIS program since 1978.

While providing cancer information and materials to patients, health professionals, and the general public via telephone (1-800-4-CANCER) and online services (www.cancer.gov) has been the mainstay of the CIS program, the Partnership Program is the primary focus of the CIS, Pacific Region. The team of

six Partnership Program staff, based at the Cancer Center and the newly established office at the University of Guam, will continue to work directly with state and regional cancer organizations, health professionals, and community groups to raise public and patient awareness about cancer clinical trials:

promote the use of evidence-based cancer prevention and early detection interventions; and contribute to efforts to reduce cancer health disparities in the islands. CIS lends expertise in the areas of program planning and evaluation, training, program promotions, materials development, and coalition building to support partnership activities aimed at reducing the cancer burden across the Pacific region.

In the years ahead, the CIS intends



A CIS specialist answers questions from the public, patients, and health professionals about the various aspects of cancer.

*"Being informed* 

about cancer is

way to reduce

cancer-related

suffering and

death."

to build on established partnerships in Hawai'i and expand collaborations with several leading regional and national organizations in cancer control, including the UH John A. Burns School of Medicine, the Centers for Disease Control and Prevention, the Pacific Islands Health Officers Association, the Pacific Islands Primary Care Association, the American Cancer Society, and the NCI-funded Community Network

dedicated Programs to supporting special populations, including Asian Americans, Native the most powerful Hawaiians. and other Pacific Islanders. Dr. Brian Issell, CIS

Principal Investigator, invites the cancer control community to join the CIS and the Cancer Center in responding

to the NCI's challenge goal - to eliminate suffering and death due to cancer by 2015. He reminds us that "being informed about cancer and how to prevent and treat it is the most powerful way to reduce cancer-related suffering and death. We will rely on your continued partnership in pursuing this challenge."

The Cancer Center was one of 15 organizations nationwide awarded a fiveyear contract from the NCI.

## **Positive Findings** Low-Fat Diet Decreases **Chance of Breast Cancer Recurrence**

he Women's Intervention Nutrition Study (WINS), conducted at the Cancer Research Center of Hawai'i and other cancer centers in the United States, is showing that a low-fat diet can reduce the recurrence of breast cancer. The finding was presented recently at the American Society of Clinical Oncology Annual Meeting in Orlando, Florida.

"The results suggest that controlling one's fat intake can decrease the relapse rate and prolong disease-free survival," says Dr. Marc Goodman, WINS Investigator at the Cancer Research Center. "We are very encouraged by this finding that diet and nutrition can prevent breast cancer recurrence."

WINS, a joint study among 37 U.S. sites, enrolled more than 2,400 postmenopausal women within one year of their breast cancer surgery. Nine hundred seventy-five women were randomly selected to participate in a diet intervention group designed to reduce fat intake and 1,462 women to a control group. In Hawai'i, 159 women participated in the study.

Preliminary results show that there is 2.6 percent less likelihood of breast cancer recurring in women who reduce their fat intake than in those who do not. This represents a 24 percent reduction in recurrence risk. Moreover, 9.8 percent of the women in the diet group had cancer relapses compared to 12.4 percent of the women in the control group. The data also suggest that women with estrogen receptor negative cancers on the diet intervention may have an even greater chance of relapse-free survival. Relapsefree survival is the time free from breast



cancer recurrence or new cancers in the opposite breast.

Dr. Goodman says additional followup of the study participants is needed to expand and confirm these findings.

Dr. Marc Goodman

## Global Meeting Conference Addresses Challenges of High Cancer Rates in the Pacific Islands

Cancer Information Service, Pacific Region

Several researchers

have earned national

distinction, bringing

additional credibility

and recognition to

the Cancer Research

Center of Hawai'i.

The Third Pacific Global Public Health Conference, held June 15 -17 at the Hawai'i Convention Center, brought to gether more than 500 healthcare professionals and health advocates from Hawai'i, the U.S.– affiliated Pacific Islands, and other Pacific Island

countries and territories to discuss their areas' challenges of high cancer rates and other health disparities. This event has grown significantly since the first conference that was sponsored by the Hawai'i Public Health Association (HPHA) and the University of Hawai'i's Globalization Research Center in 2002.

"The Pacific Global Health Conference gathers public health professionals from around the Pacific to focus on the health needs of our people and our environment. Together, we have an opportunity to align our goals and apply our expertise and wisdom to create a healthy change in the Pacific," said **Dr. Chiyome Fukino**, Director of the Hawai'i State Department of Health, which co-sponsored this year's meeting along with HPHA.

**Dr. Patricia Mail**, the President-Elect for the American Public Health Association (APHA), was this year's keynote speaker. Other noted speakers included **Dr. Sitaleki Finau**, Director of the Fiji School of Public Health and Primary Care; **Dr. Camara Phyllis Jones**, Research Director on Social Determinants of Health for the U.S. Centers for Disease Control and Prevention; and Honolulu **Mayor Mufi Hannemann.** 

The Cancer Information Service (CIS), Pacific Region Office at the Cancer Research Center of Hawai'i (CRCH) played an important leadership

## Awards and Accolades Several Researchers Earn National Distinction

Diseveral researchers have earned national distinction, bringing additional credibility and recognition to the Cancer Research Center of

Hawai'i. Please join us in congratulating them.

**Dr. Brian Issell**, Assistant Director for Clinical Affairs at the Cancer Research Center, was recently presented the prestigious St. George Award, a national award given to outstanding volunteers of the American Cancer Society (ACS).

The award was presented to Dr. Issell by **Dr. Ralph Vance**, national president of the ACS. Dr. Issell served as president of the American Cancer Society's Board of Directors from 2002 to 2004 and has



been a volunteer for 22 years. He also received the ACS' Aumakua Award, created in honor of the late **Gladys Brandt**, who also served as a Friends of the Cancer Research Center Board

Dr. Brian Issell

member. At the Cancer Center, Dr. Issell oversees the Clinical Trials Unit and the Cancer Information Service, Pacific Region.

**Dr. Patricia Lorenzo**, Assistant Professor in the Cancer Center's Natural Products and Cancer Biology Program, was one of only four recipients from a field of 600 former scholars selected for the Minority Scholar Award for Scientific Excellence from the American Association for Cancer Research's (AACR) Minority in Cancer Research. Chosen for her continued outstanding work in cancer research, she received her award in April at the 96th Annual Meeting of the American Association for Cancer Research in Anaheim, California. The AACR Minority Scholar Award for Scientific Excellence was created in celebration of the 20th anniversary this year of the Minority in Cancer Research



Dr. Patricia Lorenzo

program. The award acknowledges the contributions and professional advancement of the most deserving past scholars who are involved in researching the prevention and cure of cancer. Originally from Argentina, Dr. Lorenzo received a Minority Scholar in Cancer Research Award in 2003.

**Dr. Suzanne Murphy**, Director of the Center's Nutrition Support Shared Resource, has been appointed a member of the Food and Nutrition Board (FNB) of the Institute of Medicine, National Academy of Sciences. The national board is tasked with making authoritative judgments on the relationships among food intake, nutrition and health.

She most recently served as chair of the FNB committee that evaluated and then recommended changes to the food packages for the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) Program. In addition, Dr. Murphy has served on FNB committees to set nutrient intake standards for the United States and Canada, and chaired a committee on how to apply these standards.

Her research projects at the Cancer Center focus on the relationship of diet and cancer and possible dietary reasons



for different cancer rates among Hawai'i's ethnic groups; evaluating the use of dietary supplements in Hawai'i; and the development of better methods for measuring dietary intakes.

Dr. Suzanne Murphy

## **Science Fair Winners Continue to Make Their Mark**

A n integral mission of the Cancer Research Center is to train and mentor future generations of researchers. In keeping with this mission, the Cancer Center once again recognized three deserving young scientists at the 48th Hawaii State Science and Engineering Fair on April 4-6. On behalf of the Center, **Dr. Robert Cooney**, Associate Director, presented senior research awards to **Kimberly Reinhold** of St. Joseph Junior and Senior High School in Hilo, first place; **Megan** 

McCully of Kamehameha Schools, second place; and Kawakahi Amina, also of Kamehameha Schools, third place. A11 three winners received а plaque and a cash prize.

"I'm very pleased with the excellent quality of education and training of the students who compete in our science fair. As educators we all have an important role to instill in our students the excitement and curiosity about scientific questions that will encourage them to continue their studies in the sciences," says Dr. Cooney.

Reinhold's award-winning project was titled "Artificial Cognition and Memory: Tissue Image Analysis for Tumor Diagnosis." McCullv's project was "The Effect of Various Sunscreen Components on Protection Against UV-Induced Damage," while Amina's was "Effect of Vitamin E on Ultra Violet Mutagenesis." Reinhold, an impressive student and science fair winner the past four years, went on to compete and win additional awards for her project in the Intel International Science



Above, Megan McCully stands next to her project. Left, Dr. Robert Cooney congratulates third place winner Kawakahi Amina at the science fair.

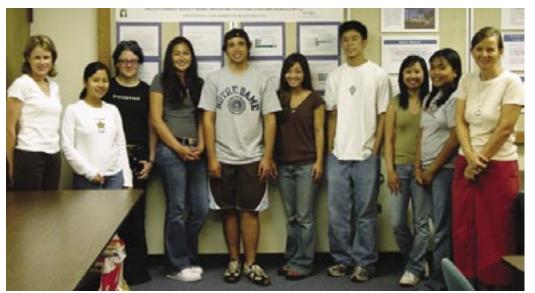
and Engineering Fair in Arizona in May. The winner of a 2004 Cancer Center award, Amina was selected to participate in this year's Cancer Center CURE summer internship program for minority students (see story in this issue). He also participated in and was a winner at the Intel Science and Engineering Fair.

## CURE and Meiji-Yasuda Student Research Award Recipients

By Karin Koga, Projects Manager Epidemiology Program

venteen high school and undergraduate students spent their summer conducting research projects under the guidance of faculty mentors of the Cancer Research Center of Hawai'i. Five high school and six undergraduate students were part of the CURE Program, while six undergraduate students were awarded a Meiji-Yasuda Summer Research Fellowship. The students each completed a laboratory or population science research project in cancer research fields including cancer biology, natural products, epidemiology, and nutrition. In addition to gaining hands-on research experience, the students presented their projects at the student symposium and completed a research report.

The Cancer Center initiated the CURE Program in 2004 in response to the significant lack of representation of faculty-level cancer researchers of Pacific Island heritage. Funded by the National Institutes of Health (NIH), the CURE Program is geared to students from underrepresented minority groups or from a disadvantaged background and provides them with a greater awareness of the career opportunities available in *(continued on page 7)* 



Karin Koga, far left, and Dr. Gertraud Maskarinec, far right, with some of the CURE and Meiji-Yasuda summer interns.

## New Cancer Center Facility **Developer Selected**

(continued from page 1)

Hutchinson Cancer Research Center in Seattle, Memorial-Sloan Kettering Cancer Center in New York, MD Anderson Cancer Center in Houston. Moores UCSD Cancer Center, among other medical facilities.

"I am impressed with the qualifications and experience of the Townsend team," says Dr. Carl-Wilhelm Vogel, Cancer Center Director. "The team

*"Having a* 

comprehensive

services."

prominent includes architectural firms and general contractors with experience in designing and building cancer centers across the country.

"Having a comprehensive cancer center in Hawai'i with an outpatient cancer treatment component will allow us to provide the

best in cancer services to patients under one roof, thus allowing us to provide a broader spectrum of treatment than is currently available," adds Dr. Vogel. "Fewer cancer patients from Hawai'i would feel compelled to seek treatment at mainland cancer centers."

The development team was selected from 15 responses to a request for qualifications.

## Save October 8! Annual Mauka Makai Event Features Oktoberfest Theme

n Saturday, October 8, the Friends of the Cancer Research Center of Hawai'i will celebrate Hawai'i's support of cancer research as it hosts its fifth annual Mauka Makai event.

Traditionally, the signature event has been celebrated as an elegant, sit-down gala with white tablecloths and fine dining service. However, this year's event,

> The Mauka Makai Merchant Street Oktoberfest and silent and live auction, will feature an upbeat German twist, with an authentic Oktoberfest block party theme at Murphy's Bar & Grill at 2 Merchant Street. The annual fun and fund raising benefit will be held from 5:30 to 9:30 p.m.

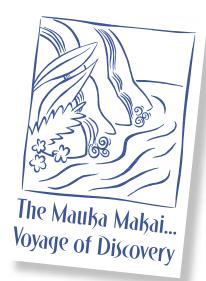
"Friends board member Don Murphy has graciously offered the location for the

event, and we look forward to a very lively and successful occasion," says **Rick Humphreys**, Friends of the Cancer Research Center of Hawai'i President, "In keeping with the tradition

of changing the event's venue, this vear we planned a new theme at Murphy's Bar &

Grill that we hope everyone will enjoy."

The 2005 Mauka Makai Merchant Street Oktoberfest will offer a sumptuous buffet of German foods plus more. Live Bavarian and German-style music will add to the festive atmosphere. Guests may also bid on a variety of silent and live auction items ranging from local artwork, restaurant gift certificates, and fine jewelry, to vacation getaways. Among the evening's generous donors are Alan Wong's restaurant, the Mauna



Kea Resort, Paul Brown Salon & Day Spa, and Tori Richards, Ltd.

Also at the event. John W. Landgraf. retiring Executive Vice President of First Hawaiian Bank and former Friends President, will be honored with the 2005 Mauka Makai Award. The award recognizes Landgraf's leadership and significant contributions to increasing community awareness of cancer research, treatment and education in Hawai'i. As Immediate Past President of the Friends of the Cancer Research Center, Landgraf helped to build a strong financial base for

the organization. Over the

years, he saw a need to develop an annual fund raiser. one the Friends could call its

own, and recruited a dynamic group of caring and dedicated individuals to serve on the Friends board.

Individual tickets start at \$200, and corporate sponsorship tables are also available. Proceeds will fund the Cancer Research Center's continuing efforts to improve the prevention and treatment of cancer through research.

For tickets or more information, please call 808-626-6755 or email maukamakai@crch.hawaii.edu.

cancer center in Hawai'i will allow us to provide the best in cancer

### **Student Research Award Recipients**

(continued from page 5)

cancer research.

In 2002, Japan's Meiji-Yasuda Life Insurance Company established the Meiji-Yasuda Undergraduate Research Fellowship to award stipends to outstanding undergraduate students to participate

in a research project under the direction of a Cancer Center faculty mentor.

The CURE and Meiji-Yasuda programs host a diverse group of students from schools in Hawai'i and across the mainland. A listing of this year's participants can be seen in the table below.

**Laura Melahn** said, "I became interested in cancer research through a research project on colorectal cancer that I did at Princeton. The research project was exciting and rewarding, and I think the work I do for the Meiji internship will be as well."

**Anne Richardson** said, "I was interested in pursuing an internship in



Kiana Frank, one of the Center's past science fair awardees, is a returning CURE student, who was mentored last year by Dr. Patricia Lorenzo. This year she is working with Dr. Alan Lau.



*CURE undergraduate Jenie Rocetes is gaining experience in Dr. Andre Bachmann's lab.* 

cancer research, because I think cancer is an extremely interesting topic. After taking a Biology of Cancer class, I wanted to learn more and be involved."

**Maxine Anderson** added, "I wanted to do the CURE fellowship this summer, because I wanted to work in a real, professional lab and learn from scientists with whom I had never worked before."

Student	School	Center Mentor	Area of Research
Kawakahi Amina	Kamehameha High School	Tom Humphreys	Animal immune system
Maxine Anderson	Kamehameha High School	Joe Ramos	Cell signaling
Lisa Harunaga	Kamehameha High School	Teresa Lewis	Immune mechanisms
Kanani Honeychurch	Kamehameha High School	Joe Ramos	Cell signaling
Andrew Knutson	Kamehameha High School	Alan Lau	Protein interactions
CURE Undergrad	duate		
Student	School	Center Mentor	Area of Research
Kiana Frank	University of Rochester	Alan Lau	Protein interactions
Dennis Hidalgo	Saint Martin's College	Thomas Hemscheidt	Natural product extracts
Colleen Kelly	University of Hawaii	Marcus Tius	Natural product
o 11 I I		<b>D</b> . 0	total synthesis
Caroline Lai	University of the Pacific	Bonnie Cramer	Gap junction proteins
Anne Richardson	Claremont McKenna College	Patricia Lorenzo	Cell signaling pathways
Jenie Rocetes	University of the Pacific	Andre Bachmann	Pediatric cancer neuroblastoma
Meiji-Yasuda Un	dergraduate		- Incaros automa
Student	School	Center Mentor	Area of Research
William Jacobson	Williams College	Marcus Tius	Natural product
			total synthesis
Brandon Kai	University of Pennsylvania	David Fritzinger	Hybrid proteins
Kelly Lock	Chaminade University	Alan Lau	Protein interactions
Laura Melahn	Princeton University	Scott Lozanoff	Gene mapping
Karen Tumaneng	Hanover College	Joe Ramos	Cell signaling
Rachel Yamakawa	Occidental College	Gertraud Maskarinec	Isoflavone extraction

## Cancer Connection Grows CIS, Pacific Region Expands Services to Guam and Commonwealth of the Northern Mariana Islands

The current five-year contract of the Cancer Information Service (CIS) focuses on cancer control priorities in the Pacific region as well as in Hawai'i. In order to coordinate and implement the activities related to these priorities, the CIS has hired a new Partnership Program Coordinator who is based in Guam. **Angelina Mummert** is the newest member of the National Cancer Institute's CIS, Pacific Region.

Mummert comes to the CIS with a background in public health administration and more than 17 years of experience working with the Guam Department of Public Health and Social Services. She was involved in several community-based projects specific to cancer prevention and control, including a collaborative project, Pacific Islander Cancer Control Network; the Tobacco Prevention and Control Project; and the Guam Breast and Cervical Cancer Early Detection Program.

Since joining the CIS in June, Mummert has been receiving extensive training

and orientation from CIS staff at our Hawai'i office and from staff at our sister office in Seattle. She is situated at the University of Guam Cancer Research Center and will be servicing Guam and the

Guam and the Commonwealth of the Northern Mariana Islands. Welcome Angelina!

> Angelina Mummert

## **Conference Addresses** Challenge

(continued from page 4)

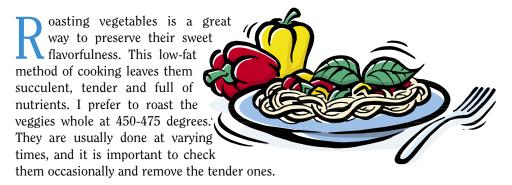
role in organizing this year's conference program, which included invited panels on topics ranging from the impact of nuclear testing in the Pacific to improving government and multi-lateral assistance in the region. There were also major tracks on topics such as workforce training and development, tobacco control, women's health, and care for the elderly.

"The challenge for reducing high cancer rates and other health disparities is compounded in most Pacific Islands by the lack of access to health care (for a whole host of reasons) along with increased risk factors, such as poor diet and a high prevalence of tobacco use in many areas," said James Rarick, the CIS Partnership Program Coordinator for the Pacific Islands who served as the Conference Coordinator. "This conference allowed participants to share knowledge on what works best to address these challenges within the context of their very unique and remarkable environments."

The Cancer Research Center of Hawai'i and the John A. Burns School of Medicine provided financial support for this year's conference, and contributed a significant number of research presentations to the program. Information on the complete conference proceedings is available on the HPHA website at www. hawaiipublichealth.org.

## **Recipes for Healthy Living** Pasta with Roasted Vegetables in Spicy Lime Dressing

By Pia Jensen, RD, formerly of the Cancer Research Center of Hawai'i



- 1 large eggplant
- 2 green peppers
- 1 red, yellow or orange pepper
- 2 3 vellow summer squash
- 1 2 T. olive oil
- 1 large onion chopped in large pieces
- 3 4 garlic cloves finely chopped
- 4 5 sun dried tomatoes chopped
  - 1 lb. linguini fresh or 3/4 lb. dried

- Dressing:
- 2 T. olive oil
- 1 T. sesame oil
- 1 T. fresh lime or lemon juice
- 1/4 1/2 tsp. dried red chili pepper
  - 1/2 tsp. salt
    - 2 lime leaves finely chopped (if available)

20 basil leaves

Preheat oven to bake at 450 degrees. Rub the eggplant, peppers, and squash with a little olive oil and place in a pan in the oven and roast until tender. Check the vegetables occasionally. Squash takes about 15-25 minutes, eggplant 25-35 minutes, peppers 30-40 minutes depending on size. Remove and set aside to cool. Peppers may be peeled. It is easier if placed in a paper bag to cool.

Sauté onion and garlic in 1 T. olive oil until tender and translucent. When vegetables are cooled, peel peppers and slice them, removing their seeds and stems. Cut eggplant and squash into large pieces. Place vegetables in a bowl together with sautéed onions and garlic.

Mix marinade ingredients and whisk together, pour over the vegetables, mix and set aside.

Cook linguini according to instructions and rinse. Place marinated vegetables in



Attending the Pacific Global Conference were Dr. Ramon Sy, founder and board member of the Aloha Medical Mission, Loretta Fuddy, President of the Hawaii Public Health Association, and Dr. Vernon Ansdell of Kaiser Permanente and a board member of the Aloha Medical Mission. The Aloha Medical Mission received a 2005 Kalo Award for its humanitarian relief efforts in Asia and the Pacific.

the middle of a large platter and arrange the linguini around the vegetables in a ring. Add chopped sun dried tomatoes and basil leaves as garnish.

You can serve this dish hot or warm. If you prefer you can reheat the vegetables in the microwave oven for 1-2 minutes before serving. Serves 6-8.

## **Thank You Generous Donors**

In appreciation of your generous contributions to the Cancer Research Center of Hawai'i through the University of Hawai'i Foundation, we take this opportunity to thank you for your gifts to support cancer research in Hawai'i.

#### *Gifts received from July 2003 to June 2005*

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#### The Cancer Research Center of Hawai'i Mission Statement

The mission of the Cancer Research Center of Hawai'i is to reduce the burden of cancer through research, education, and service with an emphasis on the unique ethnic, cultural, and environmental characteristics of Hawai'i and the Pacific. Address Service Requested

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## **Director's Message**

(continued from page 1)

clinical research proposal funded by an \$8.5 million appropriation in this year's federal budget. I'm also pleased that the UH research building in Kakaako is anticipated to be completed by the end of this year. We will be identifying well-funded Cancer Center researchers and their staff who will relocate to the new research building. This move will provide excellent work space for them and relief of much needed laboratory space at our current Cancer Center facility on Lauhala Street.

On a somber note, we were saddened by the passing of **Jane Allen**, who served as a supportive board member of the Friends. Lastly, this year's Mauka Makai benefit event, sponsored by the Friends of the Cancer Research Center, will be celebrated at a different venue, as an Oktoberfest block party on Saturday, October 8 at Murphy's Bar & Grill in downtown Honolulu. We're honoring **John W. Landgraf** who has led the Friends Board for the past seven years. I hope you will continue to support the Cancer Center and the Friends by turning out for this fun and exciting evening.

Aloha,

Carl-Wilhelm Vogel, M.D., Ph.D. Director

## **President's Message**

(continued from page 2)

and protocol updates on clinical trials with sections geared specifically to patients and cancer care professionals. This will enable interested individuals to visit the website to look up information in the privacy of their home or office on any clinical trial in which the Cancer Center is involved. Currently, there are no web pages on clinical trials on the Cancer Center website.

It's because of support from Friends like you that research can continue so that one day the world will be free of cancer.

Aloha implinas

Rick Humphreys President