

HOPE

THE CHRISTUS STEHLIN FOUNDATION FOR CANCER RESEARCH OCTOBER 2011

A Celebration of HOPE

They joined forces in 1970: Dr. John Stehlin was a man of hope, a brilliant and progressive surgical oncologist. Dr. Beppino Giovanella, a cancer biologist, was a man of vision. Together, these two combined medicine and science and advanced the field of cancer treatment in a dramatic and powerful way.

Dr. Stehlin was also a pioneer in believing that his patients' emotional and spiritual strength greatly affected their outcomes. "Hope is the only antidote for the debilitating worry and fear that inevitably accompany cancer," he said in 1967. "Hope is the very essence of life."

Three people who have experienced Dr. Stehlin's legacy of compassion first-hand have chosen to highlight his approach in the 2011 Friends of the Stehlin Foundation gala.

The theme "We Hope You Dance" is a salute both to the popular hit by headline act Lee Ann Womack – and to the Christus Stehlin Foundation's research breakthroughs, which serve to give us all hope.



On a Mission

"Of course, we really do want people to dance!" said Lin Mills Smolensky, one of the co-chairs for the 2011 gala. "For the past 30 years, the Friends event has been a FUN fundraiser, and this year will be no exception."

Two other hardworking members of the Christus Stehlin Board of Trustees, Nancy B. White and Donna S. Lewis, join Lin in chairing the event to be held at the Westin Galleria Hotel on Saturday, November 19, 2011.

All three women have chaired the gala before (two have served as chairs twice!). Both Lin and Donna are breast cancer survivors; Nancy witnessed the total recovery of a friend from pancreatic cancer (one of cancer's most insidious forms) through the Stehlin group.

"We see this year as a new beginning," said Nancy. "With the new laboratory and new staff and all the exciting projects underway, we feel like the Christus Stehlin Foundation has entered a new era of hope and possibility."

Donna stressed the importance of past Friends coming out to show support, as well as encouraging new friends to join in the effort.

"We want to re-energize the partnerships that Dr. Stehlin created between research and treatment, our partnership with



Christus, and the partnership with the Friends. This is a very focused, local organization, tackling one of the biggest problems of our time – and they need all the support they can get."

She continued, "'We Hope You Dance' represents the start of our future together."

Star-Studded Entertainment in an Intimate Venue

The committee is thrilled to have Lee Ann Womack as the headline act for the evening's entertainment. A country music superstar, Lee Ann is a native Texan who grew up on country music.

Her first album debuted the breakout hit "The Fool" as well as "Never Again," followed up with favorites like "A Little Past Little Rock" and "I'll Think of a Reason Later" from her second disc.

Her most famous single, "I Hope You Dance," earned Womack the Grammy and CMA Song of the Year Award – and her list of hits has been nonstop ever since.

With the Westin ballroom limited to 750 guests, the "We Hope You Dance" gala amounts to a private Lee Ann Womack concert – a rare and wonderful opportunity.

continued on page 2



You'll laugh, you'll cry – and, yes, you'll probably dance.

continued from page 1

And That's Not All

The 2011 Friends gala has lots of other activities in store to make it an enchanted evening.

A dance performance (a la “Dancing with the Stars”) is planned as entertainment during dinner. And rest assured, there will be a professional party pix group creating any number of fantasy shots for guests to take home.

Very importantly, local dance band **Doppelganger** is on deck after the Lee Ann Womack concert to get the crowd on its feet and dancing the night away!

As always, the auction, under the direction of Anna Williams Parker, will offer remarkable trip packages, thanks to the Four Seasons Hotel group, Linda de Sosa and Woodlake Travel, Stay in Costa Rica, and Continental Airlines. A five-night stay in an elegant Costa Rica condo in “Los Suenos” will be a hot item, in addition to a stunning collection of fine jewelry, sports memorabilia and other beautiful items donated by generous patrons.

In the End, Support

As enjoyable as the Friends galas are, it's gratifying to know that the proceeds are used exclusively to advance the work



2011 gala co-chairs from left: Lin Mills, Nancy White and Donna Lewis

of the Christus Stehlin Foundation for Cancer Research.

Over the years, the Friends of the Stehlin Foundation have donated a **net total of almost \$11 million** to help fund the cancer treatment advances that earned the Foundation top standing in

medical and scientific communities.

“We are so grateful to this loyal group of board member chairs for their support and dedication,” commented Robert F. Anderson, president of the Christus Stehlin Foundation. “Year after year, they show us what true friendship is about.”

Stehlin Welcomes New Development Director

Clark Whiteside, new development director at Christus Stehlin, has been around medical labs all his life. “My mother is a retired medical technologist and was head of hematology at Memorial Southwest Hospital, so I'm familiar with the sights and smells,” he said, “but the work going on at Stehlin is another order of magnitude.”

Clark joined Stehlin as development director in August. He's been working in nonprofit fundraising and administration for more than 25 years.

Clark most recently served as executive director of Good Samaritan Foundation, a Houston nonprofit dedicated to nursing. Prior to Good Samaritan, Clark was deputy executive director of the McGovern Museum of Health and Medical Science.

He began his nonprofit career at his

alma mater, Texas A&M, where he served as associate director of the 12th Man Foundation.

Clark graduated from A&M in 1978 with a degree in accounting, and worked for several years in public accounting. He also had stints in oil and gas and software companies. But like everyone at Stehlin, he feels the work he's doing now is important.

“I've lost close family members and friends to cancer, and I thought I knew a lot about the disease,” said Whiteside. “But my first two weeks here exposed all my misconceptions. Bobby Anderson, Dana Vardeman, and Dr. Markides have given me a ‘short course’ in cancer research, and it's been fascinating. I'm just astounded at how difficult their work is.”

Clark is also looking forward to his first Friends gala in November. “I've probably



Clark Whiteside, Stehlin's new development director

organized or attended a hundred galas, but I've never heard of one so consistently referred to as fun. It will be another interesting new experience.”

We hope you dance!

starring Grammy Award Winner

LEE ANN WOMACK

The Friends of the Stehlin Foundation 31st Annual Gala
featuring Doppelganger
Saturday, November 19, 2011, 7 p.m.
Westin Galleria Hotel
Black Tie & Dancin' Boots!

Name (please print)

Company

Address

City / State / Zip

Phone

Fax

E-mail Address

I would like to help the CHRISTUS Stehlin Foundation for Cancer Research with my table purchase of:

- \$100,000* Major Benefactor
- \$50,000* Benefactor
- \$25,000* Patient Underwriter (supports one patient through Phase I clinical trials)
- \$10,000* Table for ten (premium seating)
- \$5,000* Table for ten
- \$3,500* Table for ten

or with my seating purchase of:

- \$2,000* Seating for two, \$10,000 table location
- \$1,000* Seating for two, \$5,000 table location
- \$600* Seating for two
- \$300 Individual Seating

*All contributions at or above \$600 will be recognized in the program.

Please list my name or company in the program as:

Table assignments will be determined by DATE OF RECEIPT of your contribution

Deadline for program acknowledgment is November 8, 2010

- I am unable to attend, but am enclosing my donation of \$
- My company matches funds: Employer name
- In honor or memory of:

Please make checks payable to The Friends of the Stehlin Foundation, or you may charge to:

- Visa Card Number
- MasterCard Expiration Date
- AMEX Signature

All contributions over the fair market value of this event (\$75.00 per person) are tax deductible.

Please retain a copy of this form and mail your response to:

Friends Gala 2011
10301 Stella Link, Suite A
Houston, TX 77025

For further information on purchasing tickets,
please call Colleen Colton at 713-659-1336
or fax request to 713-659-1503

In Memory of Lucy Bonneau



In October, Donna Connor presented Bobby Anderson and the Christus Stehlin Foundation with a \$25,000 check for breast cancer research. The funds were raised through the 10th annual Luci Bonneau Memorial Striking Against Breast Cancer Mixed Doubles Tournament.

Luci, a professional bowler named Texas Woman Bowler of the Year in 1979 and inducted into the Texas Women's Bowling Association Hall of Fame, lost her battle with breast cancer in 1999. "This is something we can do to remember Luci," said Donna, "and to help others avoid dealing with this type of loss."



Star Students

As they have every year since 1980, an accomplished group of students with an interest in the health sciences spent this past summer getting first-hand experience in cancer research, thanks to the Christus Stehlin Foundation Educational Program.

More than 80 students competed for the seven coveted paid positions at the Stehlin Foundation's new laboratory facility, which now provides dedicated space for the summer interns.

As part of the program the students, on break from six different high schools and universities, worked shoulder to shoulder with the Foundation's researchers on current cancer research projects. "It's a tremendous opportunity," said Dana Vardeman, laboratory supervisor, "for the students to get a taste of research, and for us to get some helping hands."

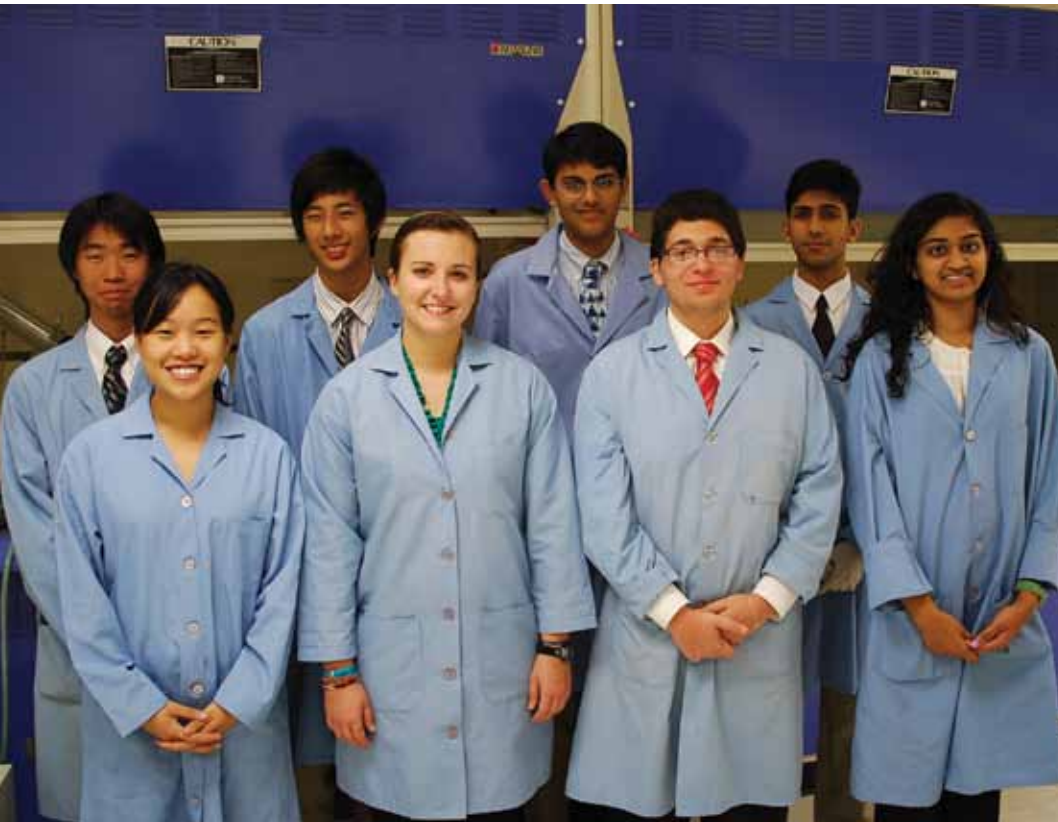
The 31st group of summer interns for the Christus Stehlin Foundation included:

- Yinjie Li – *Bellaire High School*
- Vivek Mehta – *The Kinkaid School*
- Alec Ohanian – *Debakery High School*
- Neha Reddy – *Bellaire High School*
- Kevin Yang – *Emory University*

Beginning in 2011, the summer intern group included two students designated as "Royers Scholars."

- Margaret Johnson – *University of Alabama*
- Tiffany Pham – *Trinity University*

These new positions were made possible by an endowment from CHRISTUS Health this past spring to honor the valued service of retiring CEO Dr. Tom Royer and his wife Jane.



Class of 2011 - a select group of high school and college students spent the past summer doing cancer research at the Christus Stehlin Foundation.

A New Web Presence for Stehlin

To maintain an image on a par with the new lab facility, the Christus Stehlin Foundation for Cancer Research will launch a new website in November of this year.

Like many nonprofit organizations, the first generation of the Stehlin website was developed and maintained by as a labor of love by researcher Doug Coil, deputy laboratory supervisor. This edition of the website will be developed by a local design and technology agency specializing in nonprofit marketing. A new design and navigation will make the site much more interactive and "robust" than the first edition.

"The beauty of the new technology is that it is faster, more flexible, and updating the site is much simpler," said Bobby Anderson, Foundation president. "It will be easier to communicate things as they happen. We're thrilled to be moving forward."

Powerful Capabilities

In addition to providing the history of the Stehlin Foundation and background on its accomplishments, the website will be a clearinghouse for research projects currently underway.

With photos of the new laboratory and spotlights on the research team, the site will be instrumental in communicating with supporters, other scientists, and the medical community.

Eventually, users will be able to keep up with news, check upcoming events and RSVP interactively on the Stehlin website. Archives of past newsletters, press releases and brochures will be online.

Expected launch date is mid-November. Stay tuned!

Find us on Facebook



Look who's doing social media! At long last, the Friends of the Stehlin Foundation has our own Facebook page. "Like" us and get all the news as it happens.



Putting on Our Dancing Shoes!

In preparation for the big event (and because this group likes to party!) more than 100 Friends of the Stehlin Foundation and their friends gathered at The Wynden (formerly Masraff's), on August 18th for the 2011 gala kick-off event. The excitement builds!



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New Life for a Pivotal Study

In 1966 the laboratory director of the Christus Stehlin Foundation, Dr. Beppino Giovanella, demonstrated for the first time the selective sensitivity of cancer cells to heat.

Based on Dr. Giovanella's research, Dr. John Stehlin was the first physician to combine heat and chemotherapy (hyperthermic perfusion) for the treatment of advanced melanoma of the arms and legs, resulting in a 300% increase in survival rates and virtually eliminating the necessity for amputations.

Over the last 40 years, Foundation researchers and physicians have published many papers on this topic in prestigious medical journals.

Earlier this year Stehlin was proud and gratified to learn that Aetna Insurance Company now regards the hyperthermic perfusion operation for the treatment of advanced melanoma of the extremities as a medically necessary procedure.

This is another example of a Stehlin breakthrough being accepted in mainstream medicine many years after it was discovered in the Stehlin lab.

Today's New Angle of Study

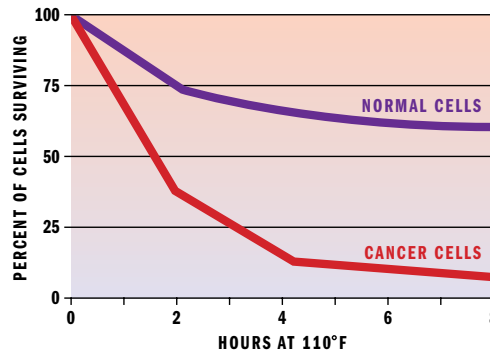
Researchers at the Christus Stehlin Foundation recently launched a new study to continue investigation into the effectiveness of hyperthermia as an anticancer treatment.

For this study Dr. Giovanella and his team plan to specifically and selectively heat all of the cancer cells in the tumors grown in the subjects (initially the laboratory's nude mice). Researchers will heat both the primary tumor and the metastases in a way that causes complete destruction.

The new research into hyperthermia will begin by injecting the test subject with tiny nanoparticles of iron coated with a biological substance designed to latch onto cancer cells (antibodies). When these iron particles are subsequently exposed to a radiofrequency field, they will absorb and emit the energy as heat, raising temperatures in the tissues to which they are attached (the tumors).

Research will concentrate specifically on the nude mice carrying human breast tumors that overexpress the HER2/neu protein (such

Effect of Heat on Cell Survival



Cancer cells appear to be much more sensitive to heat than normal cells. After 8 hours at 110 degrees F, almost all of the cancer cells are dead, as compared to only 32% of normal cells.

tumors make up about 20% of the total clinical volume of all breast cancers).

An antibody to this protein already exists in the form of Herceptin®, an anticancer drug proved effective against certain aggressive breast cancers, researched by Stehlin in 1987. This drug will be used to coat the nanoparticles prior to radiofrequency exposure.

Following Results

By labeling the Herceptin with radioactive iodine, scientists will follow the distribution of the nanoparticles through the mouse system. Specially designed heat probes will measure and record the real-time temperature within the primary cancer and the normal muscle.

The objective will be to maintain elevated temperatures of 45-46°C in the tumor and 37°C in normal tissues. Temperatures will be adjusted according to results until the scientists are able to determine the optimal conditions, both regarding temperature and concomitant chemotherapy, that produce complete destruction of tumors and minimal incidence of recurrence.

Once sufficient experimentation has been performed, the Christus Stehlin Foundation will apply for authorization to begin human trials on the use of hyperthermia in this manner.

The team also plans to expand experimental work to involve other tumors and other biomarkers beyond HER2/neu.

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