Physical activity, FSH Dystrophy, and you

By Ryan Levinson

When I was diagnosed with facioscapulohumeral muscular dystrophy (FSHD), a doctor advised me to “quit athletics and learn something useful like keypunch.” Another doctor told me to “not overdo it.” Sound familiar? Until recently the prevailing medical advice for people with our condition seemed to be that exercise is too risky, that being physically active might accelerate our muscle loss. Some people hear advice like this and think, “I guess I’m destined to sit around and passively watch life go by.” This article is for the rest of us.

If you are like me, then you believe humans are programmed to move. That we feel better and are ultimately happier when we get our blood pumping, when all our senses are stimulated, when we use our bodies. But how is that possible for those of us living with FSHD? What about the doctors’ warnings? Can people with FSHD live active lives?

When I was diagnosed, it took me about one day to decide that if I am going to lose my muscles anyway then I may as well lose them doing the things I love. I moved to Fiji to surf incredible waves on a remote island. When I came home I spent all my time in the water—surfing, kite boarding, kayaking, sailing, and SCUBA diving. It was my work and my play. It was incredibly physical and incredibly fun.

Over those five years, I noticed that my muscle loss continued, but it did not seem to be happening at the catastrophic rate doctors warned. At the same time, it seemed my “healthy” muscles had gained significant strength. I was more aerobically fit, more flexible, and in many ways happier and more fulfilled than I had been before diagnosis. I decided to step things up a few notches and see what would happen.

If you want the details of what happened next, please check out my website, www.ryanlevinson.com, but the gist of it is that I ended up traveling extensively, competing successfully semi-professionally, first as a cyclist then as a triathlete, in both able-bodied and “physically challenged” divisions. In other words, and with all due respect to the doctors, I defined for myself what “overdoing it” means.

But that is easy for me to say, right? While I am living with some significant physical challenges, my symptoms are currently somewhere in the middle in terms of severity. Can those of us who are more affected by FSHD still enjoy physically active lives? Let’s meet someone whom I look to for inspiration and hope, a good friend of mine named Kristin Duquette.

Kristin is a young woman currently finishing high school in Connecticut. She began noticing the impact of FSHD at a younger age and her symptoms have progressed more rapidly than mine. Kristin uses a walker and other assistive technology. Yet Kristin is on her high school’s swim team and is currently competing for a spot on the USA Paralympics swim team.

A cause that propels a career:

Meet Patrick Reed, Ph.D., Department of Physiology, School of Medicine, University of Maryland, Baltimore

Patrick Reed, Ph.D., works in the laboratory of Robert Bloch, Ph.D., in the Department of Medicine at the University of Maryland, Baltimore. Dr. Reed is also a contributor to the Sen. Paul Wellstone FSHD Center Accessible Animal Models Core, and he is a recipient of the FSH Society Marjorie and Gerald Bronfman Foundation Post-doctoral Research Fellowship Award. Recently he shared with Watch his personal and professional motivation for launching a career in FSHD research.
Dear Friends,

Thank you, thank you, thank you for all your gifts in 2008 and for all the good work you do for the FSH Society!

Now I have another request of you: In late 2008, the Tides Foundation awarded the FSH Society a $30,000 matching grant.

The conditions of the match are that we raise contributions from new individual donors or institutional funders, between December 15, 2008, and December 15, 2009. Funds are to come from new sources and cannot be from renewals or previous donors. The Tides Foundation wants to see the Society expand our “prospect pool.”

This is an excellent opportunity for those of you working to cultivate new sources, to encourage them to give in this time period. In recent weeks, we have received contributions that fit these criteria and the Society is on the way to satisfying the match.

Further, if you are a reader of Watch but you are not a member and do not support the FSH Society, this is a great time to join. YOUR GIFT WILL BE MATCHED! Use the enclosed envelope, or go to www.fshsociety.org and click on Contribute.

I shall keep you posted on our progress toward the $30,000 matching opportunity!

Sincerely,

Nancy Van Zant
Executive Director

----

Tides Foundation challenges the FSH Society and you!

Nancy Van Zant
Executive Director

A Festive Evening of Music and Song

Members of the FSH Society, their friends and family plan a benefit concert in New York, Wednesday, March 25, 2009.

Tickets and sponsorship opportunities vary from $125 to $5,000. For more information, see the invitation at left or go to www.fshsociety.org.
Recently Kristin came to visit me in San Diego to take part in the Challenged Athletes Foundation’s annual triathlon. We were both doing the swim as part of relay teams. Kristin had someone carry her down the staircase leading to the beach. While we were waiting to start, a large wave came and washed over all of us waiting in the sand. There was talk about canceling the swim due to the fog and large surf. But they decided to let it happen, and Kristen swam the half Ironman open ocean cold-water swim unassisted. For more information about Kristin, check out her website at www.kristinduquette.com

It’s not just Kristin and me. There’s a woman in Washington who trained for, and then raced in, an off-road triathlon last year. She crashed hard during the mountain bike portion, but she still completed the ride in 100 degree mid-day desert heat despite her injuries. There’s a guy who rode his bike across Canada to raise awareness about FSHD. There’s a guy with FSHD in England who plays rugby. There’s a woman in Hawaii with MD who uses a power chair fulltime but who surfs every chance she gets (someone pushes her into the waves and she rides them lying down).

Trust me, if you want to live a physically active life you can. It doesn’t matter what level of physical ability or prior experience you have, there is a place for you. This may sound trite, but the first step is to dream. Just put on some music, stare out your window, browse the web, or read a magazine, whatever it takes to get your mind flowing. Find an idea that makes your spine tingle and grab it. Own it. Don’t be afraid of challenges, you will be AMAZED at what is possible.

Yes it’s true that if you don’t have any leg muscles you’re probably not going to run a marathon, but before you dismiss an idea, remember that the adventure is in the process, not the result. It takes a lot of adaptive technique and training for me to succeed at what I do. The same may be true for you and those techniques take time to discover. It’s worth it, I promise you.

For what it is worth, and this is important, I do not believe that exercise has somehow reversed the progression of FSHD in my body. The affected muscles are still affected and the atrophy seems to continue progressing in stages. But that is not the point. To paraphrase Viktor Frankl, “you cannot always choose what happens to you but you can choose how to respond.” It is incredibly meaningful to live on your own terms doing what you love. It can be immensely rewarding to define your own limits rather than be pigeonholed by other people. I hope you choose to join Kristin, me, and all the other active FSH’rs in redefining what is possible for people living with our disorder.

**Send Your Suggestions:**

**2010 International Patient/Researcher Network Meeting**

In the coming months, FSH Society staff and the board of directors will begin to plan the next patient/researcher network meeting, expected to be held in summer 2010.

The choice of a location has several objectives, and these objectives are not always compatible with each other:

- convenient to major airports
- wheelchair accessible venues
- family vacation destinations
- clinical and/or research interests
- reasonable costs for attendees and for the FSH Society

With any or all of these considerations in mind, please email your suggestions to 2010meeting@fshsociety.org. Please name a city, state, or general region of the country to which you would travel for a meeting. Give us your thoughts and tell us if you have ever attended a patient meeting and, if so, which one(s). We want to sample as many interests of likely attendees as you are willing to share.

We will make a decision by late summer 2009! Thank you.
Q. Can you share a bit about what motivates you to study FSHD?

**Dr. Reed:** Both of my brothers, Mike and Bill, have FSHD. There is not any effective treatment so I want to try to find potential drug targets that may be used to treat the disease. My brothers are somewhere in the middle in terms of the FSHD effects they experience. One is a police dispatcher and the other is employed by a contractor for the U.S. Senate. They have meaningful lives, the support of our large family, and satisfying work.

Q. Your brothers must be very grateful to you for your personal and professional commitment to this work.

**Dr. Reed:** Yes, they’re glad I have chosen to work on this disease and I’m sure they are grateful. I am also grateful to them for making it possible for me to continue doing this work. Members of my whole family have picked up the tab on many things over the years when I was trying to pay my way through school.

Q. What academic path did you follow to the University of Maryland?

**Dr. Reed:** I took courses, which included chemistry and biology, at Montgomery College. From there, I transferred to the University of Maryland in College Park and studied biology, which led to a bachelor’s degree. After getting my degree, I started to take graduate courses in molecular biology at the University of Maryland’s Shady Grove campus. In the meantime, I had taken a job at a biotech company in Rockville, Maryland, mapping the changes in the proteins that occur in vital organs in response to the top 50 drugs prescribed at the time. I had hoped to do some work on FSHD then but never had the opportunity. While working there, I learned about the Interdisciplinary Muscle Biology Program at University of Maryland, Baltimore. I contacted Martin Schneider, Ph.D., about the program and learned that it was exactly what I was looking for. Schneider and Robert Bloch, Ph.D., were both working on muscular dystrophy and I took laboratory rotations in both of their labs during my coursework. One Friday during my rotation in Dr. Bloch’s lab, I asked him if I could work on an FSHD project. The following Monday, he had drafted an application for a grant to the FSH Society to study the sarcolemma (a component of muscle tissue) in FSHD! I was very surprised and impressed by this and asked if I could finish my entire thesis project in his laboratory. I have been in his laboratory ever since.

Q. Are other people in your extended family affected with FSHD?

**Dr. Reed:** With the exception of my brothers, no other person in my entire family has FSHD and there is no family history of the disease. The disease affects the whole family, though. Of course, you do not want anything bad to happen to your family members. It is very hard to accept that there is no effective treatment for the disease.

Q. When did you first become aware of the FSH Society?

**Dr. Reed:** I first became aware of the FSH Society after attending a patient support group meeting at Karen Johnsen’s house in Bowie, Maryland. I did not know that so many people had FSHD in the Washington, D.C., area. There were 10 to 20 people present, all of whom lived within convenient driving distance of Karen’s house.

Q. Is the FSH Society filling an appropriate role?

**Dr. Reed:** The FSH Society is the central clearinghouse for information about FSHD. Patients with FSHD are put in touch with important resources and receive the latest information regarding research progress on FSHD through the FSH Society. It is also very important to realize that the FSH Society funds small research grants to initiate studies in new directions or using new approaches that would not be funded by other agencies. Many labs have been able to establish a research program specifically working on FSHD that was made possible by funds from the FSH Society. As far as the FSH Society’s role in raising awareness about FSH muscular dystrophy and the need for federal funding, it has been extremely successful in the establishment of the Boston Biomedical Research Institute Senator Paul D. Wellstone Muscular Dystrophy Cooperative Research Center for the study of FSHD. Now that the Wellstone center has been funded for FSHD research, I think it is very important to make sure all patients and family members with FSHD know that they can contribute to the success of this center by volunteering to have muscle biopsies taken for research.
Meet Patrick Reed, Ph.D.

Q. Are you optimistic about the development of treatments for FSHD?

Dr. Reed: Absolutely—it would be crazy to do this work if I did not believe FSHD could be treated. It is a physical problem and it has a physical solution. FSHD has a complex mechanism and it may be difficult to treat the primary cause of the disease. Then again, our understanding of the disease can be improved overnight with the right experiment, so it is impossible to say how long it will take to find a treatment. We all want to see a treatment for this disease in our lifetime. There are potential treatments that are less specific for the disease but that I find very exciting. I am most optimistic that one of the new approaches to modifying the myostatin pathway will work out. Even though these do not specifically address the cause of FSHD, they may lead to increased muscle mass and strength in patients with FSHD.

Q. How does your research impact the future of the disease?

Dr. Reed: The research that my colleagues and I are doing is designed to detect the changes that occur at the protein level in FSHD muscle compared to normal healthy muscle and to other muscle diseases. Proteins showing misregulation in muscles from patients with FSHD specifically are the ones that are most likely to be involved in the specific disease mechanism of FSHD. I have been using the protein analysis technique that has the highest available resolution—large format, non-equilibrium, two-dimensional gel electrophoresis—and have recently expanded the resolution of the method even further. Combining this technique with the use of special dyes will enable us to resolve and quantify the greatest number of proteins, perhaps even all of the 6,000 different proteins found in muscle. This will almost certainly lead to the detection of more proteins that are specifically misregulated in muscles from patients with FSHD. The difficult part in this approach, as in many others used to study FSHD, is in the follow-through. You have to study the proteins misregulated in the disease and to learn if they actually play a role in the disease to have any chance of using your results to design possible treatments for FSHD. I have been studying the most obvious candidate protein to date, mu-crystallin. It is not linked to chromosomal position 4q35, the primary disease locus, but seems likely to act downstream of the primary mutation to cause muscle pathology. Mu-crystallin has binding sites for two important chemicals in muscle cells and so is a potential drug target.

Jacobs Family Post-doctoral Research Award established

Through the gifts of Jeff and Chris Jacobs and their family and friends, the FSH Society has established the Jacobs Family Post-doctoral Research Award. The first recipient is Scott Q. Harper, Ph.D., Center for Gene Therapy, The Research Institute at Nationwide Children’s Hospital and Department of Pediatrics, The Ohio State University. The award was approved by the Society’s Scientific Advisory Board (SAB) at its meeting in fall 2008.

Dr. Harper’s interests and expertise (his work was reported in the Spring 2008 Watch) are in developing gene therapies for muscular dystrophy and neurodegenerative disease. He proposes more studies in DUX4, a gene that has recently emerged as a potential FSHD gene. His lab’s preliminary data, funded in part by the FSH Society, show that FSHD tissue appears to have greater levels of DUX4 than normal muscle tissue. Next the lab is using mammal cell culture and zebrafish to try to understand the biochemical function that causes DUX4 toxicity, a necessary step for ultimately developing treatments.

DVDs available

2008 International Patient and Researcher Network Meeting

The set of three DVDs, totaling 263 minutes, contains material from the 2008 patient meeting held in Coralville, Iowa. They include presentations from six experts in FSHD and a workshop session for teenagers and young adults on living with FSHD.

The cost of the DVD set is $25 including USPS Priority shipping for orders in the continental U.S. only. A shipping fee will be added to international orders. Please email jennifer.lazzaro@fshsociety.org for an order form and purchase instructions.

Visit our website, www.fshsociety.org, to

• Volunteer to provide tissue samples
• Read about new research
• Make a gift online
• Learn more about FSHD
• Get involved!
Kelly Family Fundraiser—A reason for hope

By Julie A. Kelly

Last year, I wrote to Watch readers about my family’s commitment to raise funds for FSHD research. Our work began Labor Day weekend, September 2006, as our family joined together from Boston to Florida in raising contributions for the FSH Society. We knew that every contribution counted so we set forth to get a fundraiser done. It was a true family effort lead by the matriarch of our family, my mother Pauline, down to my youngest nieces, Yan Ni and Lia. Just over two years later, I am pleased to tell you that we have successfully completed three fundraiser letter campaigns, and we have established the Kelly Family Research Fund.

I have been living with FSHD all my life; however, not until the 2006 FSH Society Patient Conference in Cambridge, Massachusetts, did I (and my family) realize just how many families are living with FSHD. Those who are patients are not the only ones who live with this disease—the entire family is impacted. Like most families with FSHD, my family has more than 50% that carry this disease. But as I mentioned, 100% of us live with it each day. We left the 2006 conference wondering: how can we help raise funds and awareness?

As a family, we wanted to give back to the FSH Society. Our family and friends stretch across the Northeast, to the sunny state of Florida, to the big state of Texas. We elected to do a letter campaign because we wanted to reach out to as many relatives and friends as possible. Who knows, maybe we will upgrade to the marvels of modern technology and use the internet next year. Either way, the goal is simple, raise awareness and give back to the FSH Society.

In October of last year, I attended the ribbon cutting for the Sen. Paul Wellstone Center for FSHD Research with my mother and other family members. Once again, we were left wondering: what else can we do to help in the FSHD fight?

To all the families living with FSHD, think about starting your own family fundraiser. If you are not sure what to do, reach out to Nancy Van Zant at the FSH Society. Think about the impact we could all have for the effort of the FSH Society. It doesn’t matter if each family raised $500 or $5,000 — the collective effort is what will have the most impact. And the research efforts—the search for treatments—in the Wellstone Center for FSHD Research will accelerate.

The FSH Society started at the hands of another family, the Perez family. This grassroots efforts lead by Carol Perez and Daniel Perez has grown and flourished due to their dedication and hope for families living with FSHD. I am in awe of their dedication and hope. So this year’s article in the Watch is in dedication to all families touched by FSHD. I have hope! My family has hope! Your family also has a reason to hope!

We are grateful to all our family and friends for their gifts, their work and their prayers. We look forward to report to you about the Kelly Family Research Fund and the work it will undertake in the coming months.

From picnic to the laboratory—
Family picnic raises funds for FSHD fellowship

Generous and energetic friends of the FSH Society in suburban New York, led by Beth Johnston and her committee, held a picnic to raise funds for a post-doctoral research fellowship in summer 2008. These funds have been awarded to Frédérique Magdinier, Ph.D., Laboratory of Molecular Biology of the Cell, Ecole Normale Supérieure de Lyon, France, by the Society’s SAB at its meeting in fall 2008.

Dr. Magdinier is an expert in epigenetics and FSHD. Epigenetics is the study of gene expression caused by mechanisms other than changes in a person’s DNA. In France, she has established an impressive library and range of high fidelity cellular models to study epigenetic aspects of FSHD. Her work shows evidence that the D4Z4 repeat(s) involved with FSHD have an anti-silencing activity on genes involved in FSHD. Normal “repeats” keep genes “silenced” and muscle healthy. A reduction of “repeats” causes the loss of “silencing” and FSHD results. Capturing this data, and explaining these epigenetic control mechanisms in models of FSHD, will rapidly give clinicians a rationale to attempt treatments in FSHD, especially using compounds to modify gene expression. Most FSHD is linked to a decrease in the number of “repeats,” or adjacent copies of a DNA sequence called D4Z4 located at the end of chromosome 4. The D4Z4 area on the chromosome contains no genes but it may influence genes nearby, perhaps activating a gene or “silencing” it.

Thanks again to all the good work by Beth Johnston, Ken and Judy Seslowe, and all our friends in New York for making this research fellowship happen!
October 10, 2008, members of the FSH Society and friends of the Boston Biomedical Research Institute (BBRI) gathered to recognize the establishment of the first Wellstone Center in New England and first research center in the world to focus exclusively on FSHD.

Charles Emerson, Ph.D., director of the new center and president of BBRI, “We have recruited the best minds in basic and clinical research and have an extraordinarily committed patient advocacy group to help us focus on this problem.” Emerson invites William R. Lewis, Sr., M.D., chairman of the board of directors of the FSH Society, to cut the ribbon and launch the new center. Louis Kunkel, Ph.D., co-director of the new center, and Daniel Paul Perez, president of the FSH Society, also pictured.

FSH Society Annual Donor Report 2008

The Challenge for the Wellstone Center for FSHD reaches its goal!

From the Chairman, Board of Directors, FSH Society

February 2009

Dear Friends,

In November, I wrote to ask you to participate in the Challenge for the Wellstone Center for FSHD Muscular Dystrophy, a collaboration of the Boston Biomedical Research Institute, the FSH Society and others important to this work. Board members joined together to offer to match your gift and the gifts of others, up to a total of $117,200 on a dollar-for-dollar basis if you made your gift by December 31, 2008.

I am pleased to report that 280 individuals, foundations and businesses in the FSHD community contributed $123,856 to the Challenge. Board members have made our matching gifts in recognition of all of you who have made gifts large and small. Together, we have all contributed $241,056.

Notwithstanding the extraordinary economic environment in which we find ourselves, the FSH Society has concluded one of our most successful fundraising years ever, raising $750,000 from generous friends like you.

You helped the Society make important progress. Thank you for supporting advances in research, education, outreach and advocacy.

The list that follows includes all donors to the FSH Society in 2008. We hope you will continue to support this work by joining the Society again in 2009.

Sincerely,

William R. Lewis, Sr., M.D.

Gifts to Membership, Research and Education

$100,000+
Marjorie and Gerald Bronfman Foundation

$25,000-$99,999
Anonymous
Corinne Bronfman
Delta Railroad Construction, Inc.

$10,000-$24,999
Anonymous
Association Francaise contre les Myopathies

Sanford L. Batkin
Barbara and James A. Chin, Sr.
William J. Conners, III, and Barbara S. Conners Charitable Foundation
Dorr Foundation
William E. Hall, Jr.*
Stuart Lai
The Marx-Better Foundation, Inc.

$5,000-$9,999
Acceleron Pharma, Inc.
Boston Biomedical Research Institute
Fields Center for FSHD and Neuromuscular Research,
University of Rochester
Leiden University Medical Center
Cindy and Luke Marano

*deceased
Gifts to Membership, Research and Education

Mike and Beverly Rowlett
Jacqueline Savoy and Jack Ramsey
Leonard Schwartz
Judith and Kenneth Seslowe, M.D.
Robert Shafer
Carla Shen and family
Theodore and Mary Jo Shen
Christopher and Ellen Stenmom
Maddy and
Lawrence Weinstein, M.D.
David Younger and
Debbie Radzinsky
Lai Chiu Yang

$2,500-$4,999
Athena Diagnostics
Alan Cartoun
Combined Federal Campaign
Fidelity Charitable Gift Fund
Lisa Cohen and John Friedman
Gerald Nrom Foundation
IBM Employee Services Center
David and Nancy Lee
George Lee
Emelina Fa and Hon Lee
Modestus Lee
Janet Yung and Winston Lee
Merrill Lynch & Co. Foundation
The Mulroy Family Foundation,
James M. Wadsworth, Trustee
Roy Neilson
Carol and Charles Perez
Daniel Paul and Susan Perez
The Allan Silverstein
Family Foundation
Nancy and Kent Van Zant
Helen and Marc Younger

$1,000-$2,499
Anonymous
Jeffrey and Barbara Bache
Bradley Bagshaw
Fabiola Bertinotto and
Orlando Maurizio Motta
Merrill Block
Philip and Barbara Borsuk
Stephen and Jane Bradford
Michele DeSha and Howard Chabner
Arlene and Gary Cohen, M.D.
Elizabeth and Joe Cronon
Grace Corradino and Brian Kerr
Thomas Dempsey
Detwiler, Mitchell, Fenton & Grace, Inc.
Rosalind Devon
William and Rose Gerg
Charles Fa
The Curtis Finlay Foundation
Carlos and Beatriz Garcia
Genzyme Corporation
Claudio and Andrea Giesas
Max and Eva Giesen
Jill Hall and Sterling Smith
Clay Hamlin, III
Monica and
F Peter* Herzberg, M.D.
Jeffrey and Christine Jacobs
Kay Kitagawa
Marilyn and Neil Kutin, M.D.
George Kuykendall
Russell and Selina Lai
Patricia and Bob Lamb
Richard and Linda Lefebvre
Theresa Louie
Michelle Mackay
Roger Miles
Muller Family Foundation
Network for Good
New York Artificial Kidney
Center, Clara Tarantul
Doris Richard
Jane and Paul Rittmaster
Emily and Alan Rosenfeld

$250-$499
Anonymous
Joseph Daniel and
Laurie M. Albunio
Linda and Robert Alperin, M.D.
Michael Aquilino
Peter and Rosanne Aresty
Scott and Amy Baker
Charles W. Bell
Jerilyn and Gerald Blom
BNJ, Inc.
Carolyn Brink and Kenneth Raak
Peggy R. and
William H. Browning, M.D.
Daniel Burke
Deborah A. and
Bradley H. Calhoun
Carroll A. Brennan, M.D., and
William E. Carlson, M.D.
Joyce and Bernard* Chabner
Chia-Mao Chen, M.D.
Yi-Wen Chen and Poching Liu
Lisa Christopoulou
Diane Clancy-Griffo
Michael Clossen
Paul and Annabelle Clossen
Club 58
Pauline and John Cuoco
Louise E. and Sheryl L. Derting
Rena Storti and Thomas Dini
Michael Dworman
Stephen and Jennifer Elia
Jan Nesnow-Elman and
Mark Elman
Richard and Rosalyn Feldman
Donald Ferris
John and Patrice Picciolico
Robert and Arlene Fischer
Russell Ford
Jason and Ames Forish
Margot and Norman Friedman
Susanna Friedlander and
John Meador
Kenneth and Shirley Fuhrman
Rebecca G. Fulmer
Janice Gibson
Anne Marshall Gillespie
Linda M. and Carl C. Gillespie, Jr.
Leonard Gilman
Gove With Liberty
Jill and Elliot Goldman
Martha Lybarger and
Howard Haberman
Ann Hardon
Michael and Lisa Heyson
William and Elisa Hirschberg
Karen Hixson
Robert Hixson
Raymond A. Huml, MS, DVM, RAC
Mike and Kate Hurley
Terry and Kathleen Huser
Andrew Isaacs
Ray Jordan
Sheila and Abbott Kagan, II, M.D.
Kaiser Permanente
Miriam Kaplan
Alan and JoAnne Kassan
Barbara Kim
Ulrike Kjellberg
Peter and Robin Koffler
Betty Smith and Peter Korn
Ruth and Daniel Krasner
Susan and Louis Kunkel, Ph.D.
Paul and Stacey Laurello
Fay and Hon Leung
Francis Levy
Linda Lindeke
Sandy and Stephanie Liu
Donald C. and Judith C. Lokerson
Eugene and Kathie Luoma
Patricia MacAllen
Joyce and Stanley Magid
Susan Laskoff and Scott Marantz
Ernesto and Vess Martinez
David and Joyce Miller
Jennifer Moore
Kristi Myers
Jai and Jennifer Narayan
Lynn P and John M. Peterson, Jr.
David and Rona Picket
Shir Lee and Sheldon Pitesky
Michael and Lisa Radin
Lisa and Marvin Rosenbaum
Kelly and James Sanderfoot
Amy Bekier and Alan Schreer
John and Angela Schwimning
Roger and Juliana Smith
Anne Stannier and George Speisman
Christopher Spillane
Barbara and Herbert St. Lifer
Starscom MediaVest Group
Carol and William Stenmon
Susan Stewart
Underground Tools, Inc., Tim Passon
Unilever Foundation, Inc.
United Way of Central Carolinas
United Way of Palm Beach County
Denise and William Van Etten
Doris and Henry Walter
Cyrina Wolf
Stephanie and Scott Worley
Tom (Hatyu) Huang and
Judy Peng Qiao Zhu
Ying Lian and Judy Peng Q. Zhu
Alan and Carol Zoldos

*deceased

Gifts received January 1, 2008 through December 31, 2008
\section*{Gifts to Membership, Research and Education}

**$100-$249**
- Anonymous
- Gloria Abramowitz
- Richard and Marci Abramowitz
- David and Ann Adams
- Michael and Ellen Aeling
- AG-Biotech, Inc.
- Emily and Lawrence Allen
- Elion and Toby Amidor
- Jayne Asher
- Nathaniel and Kristina Auclair
- Frank and Angela Aurich
- Nancy and Allan Baer
- Julie and Jonathan Bahnsen
- Georgia and John Bancroft
- H. Douglas and Sara Barclay
- Nancy and Richard Barohn, M.D.
- Johnna Barry
- Fletcher Barton
- Carrie and Steve Baumgartner
- Karen Bavuso
- Greg Bazan
- Beachcomber
- Ranae Beeker
- Geoffrey Bello
- Bruce Berger
- Phyllis Berk
- Toby and Leslie Berkeley
- Alliance Bernstein
- Jeffrey Bernstein
- Rick and Jane Bernstein
- Renato Besabe
- Mimi Wang and Yu Yang Bien
- Barbara and Robert Birnbaum
- Christine Black
- Rebecca and William Blank
- Lydia Levis and Robert J. Bloch, Ph.D.
- Janelle Blom
- Diana and Norton Blumenthal
- R. Daniel and Mary Button
- Marie Bortone
- Barbara and James Branigan, Jr.
- Connie and Ernesto Brauer
- Mannie and Avis Brenner
- Rikki Bryant and Eric Brenner
- Frank and Dolores Bridges
- Kenneth and Jean Bridges
- Francis and Pauline Brouillette
- Patricia L. and Donald W. Brouillette
- James D. Brown
- Miriam Brown
- Ashley and Steve Bryan
- John Bryson
- John and Yvonne Budesa
- Josh Burwic
- Ray and Helen Cavanaugh
- Mary and Chris Chancellor
- Barbara Chatman
- Dan Chaelsey
- Winston Chen, D.D.S.
- Liu Pi Jen and Shung Cheng, M.D.
- Sonya Chinhiwa Chang
- Peggy Chiu
- Jawaid Chotani and Metroa Ta
- Yu-Lang and Suo-Maw Chou, M.D.
- Ming Yeung and Shu Ting Chung
- Wai-Kong and Kiahui Chung
- Elizabeth Circle
- Fred and Joyce Claar
- Maryanna and Robert Claxton
- Theresa Clemente
- Irwin and Sheila Cohen
- Rhonda and William Collier
- Ken Colosi
- Brian Colwell
- Kate Culligan and Josh Comfort
- Randy Comfort
- G. Alan and Leslie Conmes
- Susie Coogan
- Daniel Cooley
- John and Katherine Coppinger
- Amy and John Corsetti, M.D.
- Guy Corter
- Harris and Nancy Corwin
- Judith Cotler
- Jody Roesler and Mickey Courtney
- Melissa and Campbell Cowan
- William and Margaret Crane
- Edwin A. and Katsuko E. Cranston
- Nancy Conner Cray
- T. Rick Patton and Elias Cruz
- Bruce Crystal
- Erin Cummings
- Janet Sullivan and Edmund Cuoco
- Margaret Hogan Kelly-Curry and Michael Curry
- Robert and Joann Czarny
- Carmine D’Amelio, III
- Connie and Richard Dahlmer
- Dennis and Lois Durst
- Victoria and Sylvia David
- Dr. Betty Davies
- James and Jessie May Davies
- Richard and Cecilia Davis
- Allen Dawson, Jr.
- Marjorie and David Dean, Jr.
- Joyce Deepe
- Richard and Linda DeMarco
- Terri and Sean Dennyhe
- Steven and Patricia Deroian
- Robert and Emily DeSantis
- Stanley Dessen
- Geraldine DiCostanzo
- Lilli and Matthew Diller
- Deborah Divine
- James Donnelly Ltd.
- Michael and Debbie Doppelt
- Ron and Lisa Dornau
- Brian Dressler
- James and Luna Du
- Gary Dufel
- James and Mary Ellen Dwyer
- Adam and Suzanne Egert
- Jennifer Egert
- Keith and Cynthia Eldredge
- Leif Ellisen
- Arlene and Patrick Endres
- Helen and Chiu Lun Eng, M.D.
- Wayland and Regina Eng
- Sally Escott
- Everglory, Inc.
- Kristen and Dwight Fairback
- Aidrey and Richard Falk
- Edward Farley
- Larry and Allison Feherbaker
- Carol Feinburg
- Sharon Feldberg
- Lora and Frank Ferguson
- Michael and Maria Ferragamo
- Laura Ferraro
- Jennifer and Joseph Fertucci
- John and Janice Ferullo
- James Ficociello, D.D.S.
- Finkelstein Foundation, Inc.
- Barbara Finlay
- Charles Fisch
- Jared and Robyn Fischer
- Kevin Foley
- Sandy and James Foley
- JoAnn Forance
- Sandra and James Foster, M.D.
- Gregory and Antonia Fricker
- Randy and Jenny Friedberg
- Gerald and Marjorie Friedman
- Edward and Lois Friedich
- Theresa Frizzell
- FSH Global Research Foundation
- Elisabeth Gilbert and Gregory Galef
- Michael J. Gamble
- Diane and Terry Gans
- Jeremy and Lisa Gans
- Susan Gardner
- David Garello
- Lynda Garner
- Linda and Thomas Generazio
- Ralph Giaccone
- Susan Gibson
- Brendan and Kim Gilsenan
- Gene and Maria Gilsenan
- Rosemarie Giovino
- Sunny and Bradley Goldberg
- Barbara and Michael Goodman
- Alan and Harriet Gordon
- Fredric and Lynda Gordon
- Eric Gottlieb
- Angela Grech
- John and Angela Grech
- Roman Greene
- Sandra and Joseph Greenspan
- Richard and Susan Gregorio
- Gene and Jeanne Grindlinger
- Lawrence and Maureen Grodin
- Matt and Lauren Grossberg
- Erin Guillaume
- Monica and David Gunn
- Yijun Guo
- Ruth and Enrique Gutman, M.D.
- James and Marcella Haas
- Richard and Patricia Hall
- Mia and Lawrence Hamwey
- Dennis Hanson
- Kevin Hanstad
- Phillip Hardy
- Anne Harland and John Milne
- Margaret Hart
- Richard Haskins
- Michelle Hartfield
- Hon Hing and Lai Mui Hau
- Sin Hang Lee and Kee Hung Hau
- Patricia and Robert Hauser
- Lorraine and Clayton Hayden
- Mr. Maurice Allen and Heather Eric Heiberg
- Patricia and Stephen Hennessey
- Walter and Sandy Herbst
- Mary Ann Hereford
- Ruth Hereford
- Rudy and Luz Hernandez
- Wendy Herzberg
- Lauren and Arthur Higgins, Jr.
- Jeremy and Diane Hill
- Steven and Linda Hill
- Ruth and Alan Hirschberg
- Judy and Everett Hirsh
- Beth Norman and Ray Hodell
- Arlene and Marvin Hoffman
- Judd and Julie Hoffman
- Andrea and James Holllarjan, Jr.
- Christine Holmes
- Mary O'Donnell and Richard Holmes
- Michelle and John Hosp
- Maylong Hsu
- Philip and Shu Ching Hsu
- Tony and Jennifer Hsu
- Albert Huang
- Karen and Eric Hubler
- David Huck
- Jayne Turner-Hughes
- Kathy and Jon Hutchins
- Yuriko and Alfred Ikefugi, M.D.
- Joe and Kathy Imperato
- Bob and Lisa Inello
- Carla Jacobsen
- Jon and Suzanne Jacoby
- Bertie Janssen-Lemans and Francis Janssen
- Sam and Li-Su Javedan
- Isabel and W. Craig Jefareas
- Johnson & Johnson
- Matching Gifts Program
- David and Cindy Johnston
- Hilda Johnston
- Keith Johnston
- Steve and Anna Johnston
- Mr. and Mrs. Jack Kadis
- Kennesha and Eric Kahn
- Cheng-An Kang, M.D.
- Sander N. and Lana F Karp
- Nadia Kazim, M.D., and
- Ashish Sharma, M.D.
- Linda and Michael Kelley
- Pauline Kelly
- J. Michael Kerrigan
- Linda Kettelaar
- Jordan and Leslie Klein
- Clara Koatz
- Timmy and Tom Kohlberg
- Elaine and Lee Kolakowski
- Allen and Clara Yeung Kong
- Jonathan Kooomey
- Sherwin and Betty Korey
- Caroline Kretz
- Eileen Kulbinski
- Scott and Allison Kushner
- LaCremailiere Restaurant,
- Robert and Bobbie Meyzen
- Thomas Paulmatch
- LaFace & McGovern Associates, Inc.
- Amy and Joseph Lally
- Sanford and Dorothy Landa
- Kathy Landig
- Jeffrey Lane
- Donna LaRoche
- Shannon McMahan and
- Terrence Larsen
- Dr. Harvey Larson
- Andrew and Connie Lawler
- Brett Leake
- Mildred and Sol Lederman
- Anthony Lee
- Sau Ngong Lee
- William and Sylvia Lee
- Yin and Alice Lee
- P.N. and M.I. Lem
- Nancy and Robert Leonard
- Shui Chun and Wing Yan Leung
- Vivian and Soon Jack Leung, M.D.
- David and Abigale Levinson
- Deborah P. and Rick B. Levinson
- Laurence and Stephanie Levy
- Leslie and Jim Levy
- Todd and Elizabeth Lewis

\textbf{Gifts received January 1, 2008 through December 31, 2008}
### Gifts to Membership, Research and Education

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harry Mulholland</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jerry and Linda Mulnick</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polly and Martin Murdoch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carol Rico Murphy and Mark Murphy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reed and Dorothy Murtagh</td>
<td></td>
<td></td>
</tr>
<tr>
<td>David Napell</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Janet Narayan</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carole Jane Nelson</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elizabeth and Donald Nelson</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Richard Nelson</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jon and Gwen Nese</td>
<td></td>
<td></td>
</tr>
<tr>
<td>John Nestor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roger and Valerie Neustadt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Curtis Newell</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Noelle and Jeff Newman</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shane and Dana Newman</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chiong and Rosy Ng</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lou-Fu Ni, M.D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elizabeth and Lee Niner</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Martin and Sharon Nussbaum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chris and Monique O'Connell</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lisa and John O'Donoghue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mary O'Donoghue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lynn O'Meara</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Darleen and Edward Olsen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gerard Organ</td>
<td></td>
<td></td>
</tr>
<tr>
<td>George and Joan Oshkollo</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brian and Elizabeth Ouellette</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shelly Oxhandler</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scott Pace</td>
<td></td>
<td></td>
</tr>
<tr>
<td>George and Linda Paglia</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Song and Dana Pak</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stephen and Anne Marie Paladino</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Palm Beach Gardens Community High School</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dawning and Susan Pan</td>
<td></td>
<td></td>
</tr>
<tr>
<td>William and Sarah Pashe</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ferne Pearlstein</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sandra and Richard Pepe</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Howard and Nancy Perkson</td>
<td></td>
<td></td>
</tr>
<tr>
<td>John and Sharon Perillo</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ronald and Melody Perry</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nancy and David Petersen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maria Pezza</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Larue and Caroline Pfeiffer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Daniel and Stacey Philips</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Joel and Joan Picket</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anton and Marilyn Plonner</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dan and Betsy Polatsch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jane and George Pollock, Jr.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Harriet Sax and Nicholas Poo los</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Howard and Ellen Poretsky</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Katherine A. and William P. Porter, III</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marvin and Lesley Porter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kathleen Potvin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Margaret D. and Michael J. Powers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Robert and Elisa Beth Prato</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Albert Quigg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suzanne and Michael Quigley</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Armando Quiroz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lane and Paul Rakauskas</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Christian Rasmussen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mary Ray</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lois Reed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seymour and Barbara Regal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Randall Reinke</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jeffrey and Ellen Rennell</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michael and Sharon Richardson</td>
<td></td>
<td></td>
</tr>
<tr>
<td>James L. Riley</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ronald and Michelle Robbins</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cynthia and Graeme Robertson</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alan Roga</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Robert Romano</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elinor Rosen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emily Isaacs, M.D., and</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Donald Rosen, M.D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elaine Rosenberg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stephen Rosenblatt and Laurie Wolk</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Judith and Allan Rosenblum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Howard Rosenfeld, M.D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ingrid Rosenthal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jackie Ross</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beatrice Roths</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Charles Rowland</td>
<td></td>
<td></td>
</tr>
<tr>
<td>James and Brenda Rowland</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michael Rozman</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Robert and Mercedita Rubiano</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jon Rupp</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chunucar and Usha Ruder</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grace and Michael Ryan</td>
<td></td>
<td></td>
</tr>
<tr>
<td>James and Emilie Ryley</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Charles Sage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jennifer and Jason Salamone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>John and Maria Salmeri</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jane Sapery</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Joseph and Heather Sarachech</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kendra Saunders</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Claire Schechter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Barry Schein</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Schering-Plough</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grace Mary Schiro</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mitchell Schoenbrun</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gail and Burton Schoenfeld, M.D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thomas and Cynthia Schott</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elizabeth Schrauder</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scott J. and Lois D. Schultz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evelyn Schuster</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deborah Schwartz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Edith Schwartz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elaine Schwartz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jeff and Lynne Schwartz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stewart K. and Gina R. Scribner</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adi Segal and David Sullivan</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ernest and Alice Segal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hanna Lachert and David Segal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Angie Depompo-Seif and Neil Seif</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mira and Ernesto Seldman, M.D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jonathan and Jamie Seslowe</td>
<td></td>
<td></td>
</tr>
<tr>
<td>John and Meg Shanahan</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paul and Susan Shay</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bridget Sheehan</td>
<td></td>
<td></td>
</tr>
<tr>
<td>James Shen, M.D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cherri Sherman</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gary and Kathleen Shimmel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>An and Chiman Shu, M.D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yelim and Rima Shudgett</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beth Hutchins and Pete Skeggs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ryan Skynen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aaron Siegel, M.D. and</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suzi Donick Siegel, M.D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lois and Seymour Siegel, M.D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adrienne and William Silver</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fiona and Steven Silver</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sally Faith and Steve Sirotta</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michael and Stephanie Smerling</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gerald and Joanne Smith</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shelley Jacobsen and Oliver Smith</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anne and Lawrence Spaulding, Jr.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Susan Spencer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gerhard E. and Ethel M. Spiegel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jonathan and Allison Stophal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mary Ellen and Ronald Springer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teresa and Matt Springer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stephanie Staley</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Russ Stamm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carolyn W. and Ted L. Staton, M.D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jean Staton, M.D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monti Staton</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Julie and Kurt Steinkrauss</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Donald and Muriel Stern</td>
<td></td>
<td></td>
</tr>
<tr>
<td>John A. Stilwell, Jr.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Susan and Mark Stilwell</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Miriam Strom</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gary Strum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xifu Huang and Xiu Yu Sun</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Puangsi Suwankosai</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Andrea Sundak</td>
<td></td>
<td></td>
</tr>
<tr>
<td>James Sweet and Theresa Taylor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gary Tai</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pui Hung and Shiu Yuen Tam</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zheng Ci Wang and Peng Seng Tang</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sallie Jo and Gary Thomason</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kathryn M. Thyret</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bob and Ellen Tobin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heather and Sam J. Tomasetti</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lisa and Christopher Trent</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freddie Eng and Woon Ling Tse</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Joan and Barry Tucker</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Robert and Andrea Tucker</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suhuyee Tyau</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frances Ulring</td>
<td></td>
<td></td>
</tr>
<tr>
<td>United Way of Chester County PA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>United Way of New York City</td>
<td></td>
<td></td>
</tr>
<tr>
<td>United Way of Southeastern PA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>United Way of West Chester PA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jennifer and Anthony Valentine</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Susannah and Scott Van Dyke</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Robert Van Etten</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sheila and William Vaughan</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Charles Wang</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chean Wang</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ho and Mimi Wang</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mark Waksmonski</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mary Rieger and Jude Watkins</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stacey and Stu Wechsler</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marvin Weiner</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ernest Weiss</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Connie Westad</td>
<td></td>
<td></td>
</tr>
<tr>
<td>George and Gladys Weston</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Judith and Roger Widmann</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Craig and Simone Wiener</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mrs. Dorothy Williams</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Irma and Irwin Winer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Barbara Wong</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jonathan Wing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Matthew Wing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Benjamin and Susan Winter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michael and Katherine Woloshin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Timothy and Sara Wondolowski</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nicole Bingham and Stephen Wright</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bernard Wu, M.D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wen Bin Wu</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Israel Yahalom</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bailing and David Yang, M.D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Milton and Joanne Yatvin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kam Sui Yip</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michael York</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phyllis and Paul Young</td>
<td></td>
<td></td>
</tr>
<tr>
<td>April Kam S and Davy Chun Wo Yung</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hua Feng and En Wu Zheng</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jenny Zhu</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**$50-$99**

Anonymous

Linda Rae and Kenneth H. Adams

Lyne Chalut and Benoit Alarie

Mary Allison

Michele and Michael Altherr, Ph.D.
Gifts to Membership, Research and Education

Mrs. Barbara Ambrose
David Anderson
Dale Arrington
Deborah and Robert Augusta
Kathleen Aument
Bijan and Mitra Bakhtian
Barbara L. Barnett
Edward Barocas
Irving and Elinor Barocas
Jill Bennick-Carpenter
Ellen and Jeffrey Berger
Eva Berkowitz
Benny and Ann Biggs
Dr. Elena Bilik
Maria and Kenneth Bishop
Elaina Booth
Peggy Eng-Bowe and Ashton Bowl
Barbara Bowden
Paulette and Thomas Brantley, M.D.
Joy and Don Bray
Marge and Dale Brchan
Marion Lee Brickey
Stanley and Judith Broadwin
Marianne and Clement Brooke, III
Alan and Rona Brown
Don and Joan Brown
Meredith Brown
Grace Shohet and David Brownstein
Daniel Bruflodt
Elisabeth Brunston
Bill and Ann Burke
Melissa and Terence Burke
Cynthia and Paul Calahan
Lori and Steven Calandro
Kevin Campbell
Jean Chandler
Charity Checks
Mark S. and Anabella B. Charwat
Mary and William Chesney
Corey and Lisa Chin
Joseph Brown
Mark and Renee Christman
Siu Ling Chu
Benjamin and Donna Ciampa
Deborah and Richard Clough
Gilbert and Miriam Clough
Julie and Jeffrey Cole
Robert and Patricia Cole
Lisa Contursi
Deborahah and Sid Cook
Rev. Janet Craig
Francis Crompton
Leslie Crompton
Cathleen and Jack Crowley
Albert and Marion Cuoco
John and Antoinette Cuoco
Ed Czarnecki
Barbara Chabner and
Marshall Daikowitz
John and JulieDavey
Richard and Joan Davis
Verna Davis
Kenneth Delong
Roman DeSanctis
Mark and Julie Devore
Mary Ann and Anthony Di Ceglie
Marybeth and Joseph Di Prima
Rena and John Donovan
Elena and Charles Drake
Selma Dressler
Don Drinkwater
Carolyn Dubie
Wallace and Sarabel Dunlap
Ruth and John Duran
Nancy DuRie
Ruben Dybner
Molle Egert
Law Office of Patrick Faherty
Troy Kaji and Marguerita Fa-Kaji
Albert Fano
Karen and Gerald Feigal
Karen Keyes-Ferguson and
Paul Ferguson
Jamie Hastings and Michael Ferraro
Ellen Fertig
Andrew and Patricia Fink
Wendy Folger
Carol and Gennaro Formato
James Fox
Marlene France
Karen Leibert and James Francis
Vicki and James Galczynski
Gwendolyn Galef and
Robert Langille, II
Marianne Galluzzo-Downs
Jaime N. Gildengers, M.D.
Samuel Gillespie
Janice Gilligan
Ernest and Lois Gilman
Barbara Gilson and Richard M. Rollins
Michael Spenard and Brian Glauser
Glazes, Ceramics, & Mosaics,
Karen Fenton
Anita Glickman
Angela Solomonte-Godfrey and
Richard Godfrey
GoodSearch
Marie Gordiner
Ina and Arthur Gordon
Crystal and Chad Graham
Deborah Grant
Elaine Green
Joan Green
Samuel and Edith Gregorio
Josh Grill
Dorothy and Richard Hamil
Jeremy Handlon
Doug Hardesty
Larry Heaton
Thomas Hennigan
Alex Herzberg
Patricia Sheridan and Mark Herzberg
Mary L. Hiden
Ruth and David M. Hirsh, M.D.
Irene and Patrick Hoffman
Elizabeth Holmes
Jell and Mary Holmes
Marcia Horner
Todd Skiles and Michael Hough
E. Mei Shen-Hsieh and Joseph S. Hsieh
Beno and Freda-Lee Hubler
Patricia and Mark Hughes
Robin and Bruce Humphrey
Carl and Deanna Huntig
D. Michael and Cecilia Hymes
Cindy and Mike Iles
Sandra Iverson
Mark and Deborah Jacoby
Donna and John James
Kathryn Jaros
John Hancock Financial Services, Inc.
John and Elizabeth Kagan
Craig Kaiser
Seymour and Lola Kamp
Joanne Kanakry
Marvin Kanelfield
Susan and Lester Kaufman
Barbara and Joseph Keefe
Raymond and Camille Keller
Kevin Kelly
Meredith Kench
Paul Kennedy
William and Odette Kent
Jason and Lisa Keshishian
Jung Yun and Myoung Jwa Kim, M.D.
Gary and Jilene Kimball
Frederick Kingsley
Debra Kishbaugh
Cynthia and Robert Knight
John Kompel
Cass and Jeff Koopmans
Teresa and Greg Kraft
Anthony and Patricia Krasowski
Jean Krosner
David Kurok
Linda and Kenneth LaFleche
Mary Larsen
Elisa Larson
Sue Lawson
Emily and Donald Lazare
Lee Jensen Sales Co., Inc.
William and Chona Lesage
Stephanie Jane Lesia
Steven and Leslie Leventhal
Steven Levine
Wendy and Richard Levinson
Judith Lichtenstein
Carol and Louis Lipman
Sebastian Listro
Kam Nam Chan and Hau Yee Liu
David and Nancy Lokerson
Shelley Long
Marilyn and William Love
Christopher Macarthur
Stephen and Marie MacDonald
Dana and Cheryl MacLver
William and Lorraine Maggio
Constance and Charles Mahoney
Mary and George Mairs
Saroja Mallik, M.D.
Myra and Calvin Marantz, M.D.
Suzanne and Jay Marden
Paul and Linda Marengi
Donna and Doug Marshall
Lorraine Hong and Jack Martin
Priscilla and Robert McClay
Christine and Michael McDonough
Elizabeth and Paul McKenney
Jeff and Jennifer McIntosh
Michael and Allison Meltz
Diane Menge
Ann Menna
Elizabeth Terling伦 Merkle
George A. and Hazel A. Mershrew
Hilary Michels
Cathy Migliore
Catherine Miller
Alan Milner
Michael and Eileen Mills
Susan Stevens and William Mills, III
Marc and Heidi Milonas
Janice Minten
Dr. and Mrs. David Mitchell
John and Norma Mondelli
Karen and Mark Monteria, M.D.
Paula Montgomery
Geraldine Moon
Paul and Etienne Morris
James and Helene Morse
Thomas and Christine Murphy
Beatriz Nascimento
Iona Neals
John Noel
Thomas and Jacqueline Nowe
Joel and Bette Nussbaum
Stephen and Margaret O'Connor
Francis and Dorothy O'Keefe
Patrick and Catheline O'Neil
Cristina Bejarano and
Kevin O'Shaughnessey
Doris Olds-Eck
Nila Colon Olson
Nancy and Stephen Paladino
Mr. and Mrs. Carl Parker
Daniel and Elaine Patterson, Jr.
Patti and Kevin Patton
Sharon Peery
Matt Perez
Hilda Perez-Shafer
Kevin and Joy Peterson
Keith Pfeifer
Glenn Pilipski
Lisa Planeta
Scott O. Pratt
Allen Pross
Ronald Rabowitz
Janis A. and Paul Rasore, Jro.
Syrus Rayhan, M.D.
Marrieue Fujimani-Reed and
Mark Reed
Revees School PTO - Fine Arts
Rosanna Reinke
Clinton Reiner
Dr. and Mrs. Hector Retik
Judith and Bruce Rich
Kenneth and Linda Rich
Darryl and Wendy Richards
Richard and Joy Richards
Stephen Riden
Laura Rippee
Cathy Robbins
Lova Sue Robbins
Judith Roga
Andrew and Sarah Rosenbach
Barbara and James Rosenblum, M.D.
Pearl Rosenfeld
Jere and Patricia Ross, Jr.
Daniel and Mary Rossignol
James and Betty Rubenstein
Mark and Helga Saitowitz
Max and Carol Salas
Rachel Sartin
Gregg and Julie Satow, M.D.
Jonathan and Meredith Satran
Randy and Donna Schafer
Paule Leblang-Scheichet
Elis and Harriet Schindelheim
Patricia Schroeder
Janice Schulman
Ella Schwartz
Carole Sherman and Diane Seavey
Patricia and David Shaffer
Gregory Shenk
Dr. and Mrs. Joseph Sherr
Robert S. Sherr
Carol Waugh and
Arnold Shkolnik, M.D.
Stephen Shotland
Cathy and Steve Shuster
Rod Shuster
Kenneth L. Siegel, D.D.S., P.C.

Gifts received January 1, 2008 through December 31, 2008
Gifts to Membership, Research and Education

Robert and Marian Simon
Lois Ann and Brent Skinner
Glenora Kelly Smith
Keri Smith
Lorraine and Kenneth Smith
Rolf and Trudie Soderstrom
Paul and Geraldine Spillane
Sven and Anna L. Spoerri
Lillian Stamler
Debbie Stangas
Jorge and Mabel Steinberg, M.D.
Susan Stevens
Sylvia Stillman
Bruce Campbell and Dawn Strickland
Wendy Stout
Karen U. and Stephen R. Stulick
Daniel Sturges
Bonnie Sudler
Marie Suhre
Linda and Douglas Sunde
Barry S. and Joan O. Swirsky
Erin Gibson and Matt Szymbalski
Norman J. Tamkin
Eleanora Tammaro
T.S.G. Tan
Ruth and Bill Tarter
Jeanne and Paul Teague
Deborah and John Tobin
Lauren and Eric Toubin
Mrs. Chien-Sen Tseng
Elaine and Carmelo Turano
United Church of Christ, Pelham
United Way - Triangle United Way
Catherine and Lester Van Albstyne, Jr.
Carol and Paul van de Rijn
Brian and Helen Wagner
Anne Walls
Karen and Joseph Weber
Donna B. Wen
Eric Whitmer
Jefrey and Christiane Wiese
Chin and Glenn Wing
Thomas Wix
Patrick and Mary Yost
Anthony and Joan Zacconi
Susan and Joseph Zacherman
Steve Zawrotny
Angela Zielinski
Helen Zimmer and Karen Prill

In Memory
Family and friends of these individuals have made gifts in their memory in 2008.
Elizabeth A. “Bettie” Black
Salvatore R. Bonanno
Roger Brown
Judy A. Burke
Francis Cameron
James Carr
Paula Sulzman Cartoun
Bernard Chanber
Elizabeth Coar
Eleanor H. Falenski
Hannah Fisher
Joanne Fitzpatrick
Jill Forte
Theresa Garrio
Cynthia Anne Gilman
Ruth Goldburg
Joe Grech
William E. Hall, Jr.
E. Peter Herzberg, M.D.
Lawrence H. Hinton
Dr. John A. Holmes, III
Donald Hudson
Brent Jacobsen
Phyllis Jacobsen
Stephen Jacobsen
Robert Kim, M.D.
Thelma C. Larson
Eugene Lee
Lorraine Lefebvre
Sid Lerner
Allan J. MacDonald
Billy Michael
William Mills
Edward J. Morris
Barbara Nesnow
Gisela K. Nickles
Robert O’Neil
Godfrey Padberg
Mary Kelly Paladino
John Pickles
Seymour Prisand
Hannah Prisand
Edward Quigley
Martin Rabinowitz
Marsha Resnick
Suzan Rice
Pearl Rosenblatt
Ethel Russom
Pauline Seslowe
Jeffrey Shook
Henry E. Smith
Dr. Russell E. Smith
Jean E. Soldan
Jean E. Soldan on Father’s Day
George Stangas
Charlyne Deeg Stasiuk
Benjamin L. “Ben” Stout
Adelyn Tyll
Joseph Vengeler

In Honor
Family and friends of these individuals have made gifts in honor in 2008.
Joseph Daniel Albunio, Jr.
The Jeffrey Bache Family
Carol and Horace Barsh on their marriage
Sandy Batkin on Father’s Day
Sanford Batkin on his 85th birthday
Ann Biggs-Williams
Barbara Birnbaum
Steven Bliek
John Bowden
Marge S. Brchan
Corinne Bronfman
Mimi Brown
Don Burke
Brian Cavanaugh
Howard Chabner
Howard Chabner on his 50th birthday
Justin Cohen
Justin Cohen on starting Tufts University
Gary Cohen on his 50th birthday
Haley Cohen
Betsy Conron
Betsy Conron on her 50th birthday
Grace Corradino
Pauline Cuoco
Rosalind Devon on her birthday
Charles Emerson, Ph.D.
Richard T. Fields and family
Frank Fitzmaurice
Sixto Garcia
Catherine Gibson
Omi Thea Giesen
Alan Gordon
Joseph Donald Hawkins
Ruth Hereford
Bill and Judy Herzberg
Harry Herzberg
Monica and Peter Herzberg on their new home
Dr. William Herzberg
William Herzberg on his birthday
The Herzberg Family
Andrew Hoffman on his 21st birthday
David E. Housman, Ph.D.
Lauren Jacobs
Shelley Jacobsen
Jeff Johnston
Beth and Jeff Johnston and their Family Picnic for FSHD Fundraiser
The Katz Family
Julie Kelly
Maureen Kelly
Pauline Kelly
The Kelly Family
Lewis M. Kunkel, Ph.D.
Berni Kuntzlemn
C. Larry Laurello
Aubrie Lee
Mary and Man So Lee on their 50th anniversary
Richard Lefebvre on his birthday
Andrew Levinson on his making Phi Beta Kappa
Duncan and Wm R. Lewis, Sr., M.D. and family
Kathy Lucero
Myra Marantz on her birthday
Lin McClay
Marilyn Meisel
William Michael
John Milne
Michael Moffat
Nathan Morin
Camry Murdoch
Kyle Pablo
Packx2
Linda Passon
Allison Patapa
Denise Patapa
Ron Paynter
Carol Perez on her birthday
Carol and Charles Perez
Dan Perez for his great work
Sue Perez on her birthday
Hilda Perez-Shafer
Sal Picone
Nicolas Pogany
Edward J. Reed
Valerie Renosto
Jennifer Rhatigan
Joanna Roberts
Zeke Ross
Jane Rowlett
Jessica Ryley
Edward Schechter
Eli Schindelheim
Deborah Schwartz
Rod Shuster
Gina, Dana and Lora Simone
Saul Smolar on his 80th birthday
Linda Stapleton
Monti Staton
Chris Stenmon and his “Tenth Annual End of Tax Season Celebration”
Jayne Turner-Hughes
Nancy Van Zant
John Weintrut
Jack and Debra Wilt
Dr. and Mrs. Glenn Wing
Matthew Worley
Dr. David Younger
Helen Younger on her birthday
Helen and David Younger

Gathering of Members and Fundraising Events, 2008

• Northport, NY, Tennis Fashion Show, March
  Laura and Paul Kampa, Hosts
• Quincy, MA, 10th Annual After Tax Season Celebration, April
  Ellen and Chris Stenmon, Chairs
• New York, NY, Gathering of FSH Society Members, April
  New York Botanical Garden
• Pebble Beach, CA, 50th Birthday Party, April
  Betsy Conron, Honoree
• Fire Island, NY, Yard Sale, July
  Grace Corradino and Brian Kerr, Chairs
• Coralville, IA, FSH Society International Patient and Researcher Network Meeting July
• Staten Island, NY, 50th Anniversary Party, August
  Mary and Man So Lee, Honorees
• Mamaroneck, NY, Family Picnic for FSHD, Sept.
  Isabel Marantz, Host; Judy and Ken Seslowe, Hosts
• Spring Lake, NJ, Luncheon December

Family Fundraising, 2008

• Biggs-Williams Family
• Chabner Family
• Gillespie and Gibson Families
• Herzberg Family
• Jacobs Family
• Kelly Family
• Perez Family

FSHD Future Fund

Members of the FSHD Future Fund are individuals who have remembered the FSH Society through a bequest or other estate planning instrument.

• Amy Bekier
• Greg and Tanya Bergstein
• Michele DeShia
• Howard Chabner
• Barbara and James A. Chin, Sr.
• JoAnn Forance
• Judy Marantz and William Herzberg, M.D.
• Jeff and Chris Jacobs
• Donald and Judy Lokerson
• William and Virginia Michael
• Jennifer Moore
• Deborah Schwartz
• Robert Smith
• Helen and Marc Younger

Gifts received January 1, 2008 through December 31, 2008. We deeply regret any errors or omissions.