Imagine

TREATING ...

Cancer

Epilepsy

Parkinson’s Disease

AND

Brain Tumors

... WITH

SOUND
With further research and development this may be possible.

Given the great potential of focused ultrasound, we cannot just resign ourselves to the fact that revolutionary medical technologies face numerous scientific, regulatory, and financial barriers that delay access and lead to unnecessary disability and suffering.

For patients with unmet medical needs, the clock is ticking, and the stakes are high.

**Can a philanthropic organization accelerate medical innovation and progress?**

The answer is YES.

**And you can help us.**

The Focused Ultrasound Foundation was created to improve the lives of millions of people worldwide by accelerating the development and adoption of focused ultrasound therapies. The Foundation works to clear the path to ensure that focused ultrasound finds its place as a mainstream therapy for a range of serious medical conditions within years, not decades. Since its establishment in 2006, the Foundation has become the largest non-governmental source of funding for focused ultrasound research.
MESSAGE FROM THE CHAIRMAN

2013 PROGRESS AT A GLANCE

The other key driver in advancing focused ultrasound is knowledge. The Foundation engages in a variety of activities for creating, aggregating, and sharing knowledge. Our work is supported through the generosity of individuals and organizations that share our vision for a better future for patients with disabling or life-threatening disorders. The enthusiasm for our work is increasing. New contributions nearly doubled from the previous year to $10.2 million. We are making great progress, but given the possibility to improve millions of lives, there is a moral imperative to do more. With your continued help, the potential of focused ultrasound to transform the treatment of a variety of serious medical conditions will be realized.

Imagine what we can achieve together.

Be well. Be happy.

Neal F. Kassell, MD

“As the field progresses, focused ultrasound’s potential to improve quality of life and decrease cost of care becomes more apparent and the work that lies ahead becomes more urgent. The Focused Ultrasound Foundation is committed to getting this breakthrough therapy to patients in the shortest time possible.”

Dear Friends,

The good news: in 2013 the field of focused ultrasound continued to gain momentum at an accelerating rate as evidenced by the growing number of new clinical applications, companies, research and treatment sites, and patients treated. The role of the Foundation in catalyzing this growth is now widely recognized.

The bad news: the rate of progress, while increasing (perhaps even more than anticipated) is frustratingly slow due to a variety of factors, including regulatory and reimbursement hurdles, constrained corporate resources, bureaucratic barriers at academic institutions, and inadequate research funding. These problems are most acute in the United States where the pace of clinical trials is lagging.

A number of critical milestones were achieved over the last year, including:

• Publication of the essential tremor trial in the New England Journal of Medicine, validating the potential of the technology
• Initiation of the essential tremor pivotal trial, creating a path for the first FDA approval for a neurological application of focused ultrasound
• Establishment of a Center of Excellence at the Institute for Cancer Research in London to champion the use of focused ultrasound to treat cancer

We are engaged in a high-stakes game where the consequences of a delay in the availability of focused ultrasound is unnecessary death, disability, and suffering for countless people. Unlike other endeavors where the opportunity exists to recoup losses, lost lives can never be recovered.

In the present environment—where the tasks at hand outstrip the resources available—innovation is essential to close the gap. The spark plug for innovation is collaboration, and we are pursuing a variety of initiatives to break down silos of secrecy and enable individuals and organizations to work together.

Furthermore, additional capital—both human and financial—is necessary to fuel progress.

Collaboration is the ultimate force multiplier for intellectual capital. And the Foundation is providing funding strategically where it can be leveraged for the greatest impact.

The other key driver in advancing focused ultrasound is knowledge. The Foundation engages in a variety of activities for creating, aggregating, and sharing knowledge.

Our work is supported through the generosity of individuals and organizations that share our vision for a better future for patients with disabling or life-threatening disorders. The enthusiasm for our work is increasing. New contributions nearly doubled from the previous year to $10.2 million.

We are making great progress, but given the possibility to improve millions of lives, there is a moral imperative to do more. With your continued help, the potential of focused ultrasound to transform the treatment of a variety of serious medical conditions will be realized.

Imagine what we can achieve together.

Be well. Be happy.

Neal F. Kassell, MD
THE FOUNDATION PROPELS THE FIELD

Forward

With a laser-like focus on outcomes, the Foundation has made targeted investments in research, education, advocacy, and collaboration. We engage in a variety of activities to streamline the process and overcome chokepoints in the critical path to the development and adoption of focused ultrasound. We have thought strategically across the continuum and have built the infrastructure and assembled the resources to move the field ahead in a profound way.

MORE PATIENTS AND CONDITIONS ARE BEING TREATED

Device manufacturers have received approval to commercially treat 16 medical conditions around the world. These include essential tremor; tremor-dominant Parkinson’s disease; uterine fibroids; breast, liver, pancreatic and prostate cancer; and relieving pain from bone metastases. More than 82,000 patients have been treated to date with focused ultrasound at nearly 400 sites around the world.

SCOPE OF RESEARCH IS EXPANDING

Focused ultrasound is being studied to treat nearly 50 diseases at more than 160 sites across the globe. NIH funding for focused ultrasound research exceeded $27 million in 2013, a four-fold increase compared to 2004. Nearly 500 peer-reviewed papers on focused ultrasound were published in 2013, and the number of citations in literature exceeded 10,000.

MOMENTUM IS BUILDING IN THE FIELD

The field of focused ultrasound has experienced tremendous growth in the past 10 years. The accelerating pace of research, the rising volume of publications, the increase in patient treatments, the growing number of device manufacturers, and the tripling of funding from the National Institutes of Health all point toward the potential of this technology to evolve into a robust medical field.

"Focused ultrasound fits the new ‘value focused’ model of the healthcare system. It may provide safe and effective solutions leading to improved outcomes for patients suffering from a range of serious medical conditions."

—Aytekin Oto, MD, Professor of Radiology, University of Chicago

OUR STRATEGIES TO INCREASE THE VELOCITY OF PROGRESS:

Accelerate Research

Foster Innovation

Establish Best Practices

Overcome Barriers

Aggregate and Disseminate Knowledge

Cultivate the Next Generation

SETTING RESEARCH PRIORITIES, CREATING KNOWLEDGE, AND INFLUENCING DIRECTION

MULTIPLYING IDEAS AND IMPACT THROUGH COLLABORATION

SETTING STANDARDS FOR RESEARCH, TRAINING, AND PATIENT CARE

MOVING CLOSER TO PATIENT SOLUTIONS

SPREADING AWARENESS AROUND THE WORLD

EMPOWERING PROMISING SCIENTISTS, CLINICIANS, AND STUDENTS
FILL IN THE GAPS IN PUBLIC AND PRIVATE FUNDING
As traditional government and venture capital sources shrink, venture philanthropies like the Foundation can play an important role in supporting critical research.

OVERCOME TECHNICAL LIMITATIONS
By helping to identify needs and drive improvements in technology, we can overcome technical, anatomical, and treatment delivery limitations. This will further expand focused ultrasound’s versatility and enable the treatment of more patients.

EDUCATE CLINICIANS ABOUT BENEFITS TO THEIR PRACTICE AND PATIENTS
The Foundation can educate specialists on the clinical and health economic benefits of focused ultrasound and encourage the creation of multi-disciplinary teams to broaden use of the technology.

INCREASE THE PACE OF REGULATORY PROCESS, DE-RISK INVESTMENT
The cost and uncertainty associated with regulatory review may deter private investment. By funding early-stage clinical trials that demonstrate feasibility, the Foundation provides industry with the confidence to invest in further studies for regulatory clearance.

PAVE THE PATHWAY FOR WIDESPREAD REIMBURSEMENT
The most significant challenge to the adoption of focused ultrasound is the lack of consistent insurance coverage. The Foundation is collaborating with industry to generate large-scale data that will meet the evidence needs of payers and help to drive physician and patient acceptance.

“Focused ultrasound is another important piece in the prostate cancer puzzle. It is frustrating to me that this non-invasive treatment option is available to prostate cancer patients outside of the U.S. but not in this country. I support the Foundation’s mission to accelerate the development and adoption process so that more patients can be helped by this amazing technology.”

—Tom
Donor, prostate cancer patient
Accelerate Research

SETTING RESEARCH PRIORITIES, CREATING KNOWLEDGE, AND INFLUENCING DIRECTION

Great strides were made in 2013 through the Foundation’s research program. These projects are conducted in collaboration with academia and industry to advance the use of focused ultrasound to treat several neurological diseases.

ESSENTIAL TREMOR
Trial results published; progress made toward FDA approval

Results of the Foundation-funded essential tremor pilot study were published in the New England Journal of Medicine in August 2013, validating the potential of focused ultrasound to treat neurological disorders. These promising findings led device manufacturer InSightec to organize a larger study that has begun at eight luminary sites, including Stanford University and the University of Virginia. With positive results, we hope FDA approval will be achieved within three years. Out of 10 million expected to seek a non-invasive procedure like focused ultrasound, 1 million have severe enough tremors to seek a non-invasive procedure like focused ultrasound.

BRAIN TUMORS
Critical first step in establishing treatment potential

A clinical trial studying the feasibility of focused ultrasound for patients with brain metastases is set to begin at the University of Virginia and Swedish Neuroscience Institute in Seattle, and a second trial is due to get underway at Sunnybrook Health Sciences Centre in Toronto. These early-stage studies are essential steps toward developing non-invasive treatment for patients with brain tumors who often have no viable medical options.

BLOOD-BRAIN BARRIER
Study to open possibilities for targeted drug delivery

The Foundation is funding a clinical trial at Sunnybrook to assess the ability of focused ultrasound to disrupt the protective filter that inhibits the effective delivery of most medicines to the brain. The ability to reversibly open this blood-brain barrier to allow the delivery of drugs would represent a major advance in neuroscience and oncology, as many chemotherapeutic agents cannot currently be used effectively in the central nervous system.

EPILEPSY
Collaboration explores potential for treatment

Phase one of a potential two-phase study was funded by the Epilepsy Foundation of America. The initial pre-clinical feasibility study is set to begin in Canada in December. If results from the initial pre-clinical feasibility study are positive, additional funding may be provided to treat patients in 2014.

Every dollar the Foundation has invested in external research has resulted in an additional $8.32 of funding.

BREAKTHROUGH

In March 2014, the world’s first brain tumor treatment using focused ultrasound ablation through the intact skull was conducted by researchers in Switzerland. Studies planned in the U.S. and Canada aim to build on this accomplishment.

The medical team gathers around the world’s first Parkinson’s patient treated with focused ultrasound for dyskinesia.

“Focused ultrasound may offer a non-invasive way of achieving seizure freedom for patients while minimizing risk to cognitive function.”

—Neurosurgeon Ryder Gwinn, MD, Swedish Neuroscience Institute

RESEARCH AWARDS
External research awards program leverages financial and intellectual capital

Since its inception, the Foundation has awarded $3.7 million to fund a range of investigator-initiated research projects through a competitive, peer-reviewed process. Of the $2.2 million granted to 21 completed projects, nine of these studies have received follow-on funding equaling $18.3 million from the NIH and other research funding sources.

This year promises to be very active with 11 projects continuing in 2014 and three studies about to start. The scope of ongoing research includes targeted drug delivery for Alzheimer’s disease and treating osteoarthritis and head and neck cancer.

This is an excellent example of how we leverage our donors’ money and a testament to the rigor of the peer review process.

In 2013 the Foundation granted six awards totaling more than $600,000 for research including the use of focused ultrasound to treat lower back pain associated with pediatric bone tumors and to break up blood clots.

www.fusfoundation.org
Foster Innovation
MULTIPLYING IDEAS AND IMPACT THROUGH COLLABORATION

Physicians, scientists, engineers, manufacturers, regulators, and research institutions influence the progress of focused ultrasound. We play the critical role of global connector, serving as a catalyst for progress and an incubator to foster collaboration—the ultimate force multiplier.

WORKSHOPS LEVERAGE GLOBAL EXPERTISE TO OVERCOME CHALLENGES

In 2013 the Foundation’s Brain Program hosted two invitational workshops with world-class thought leaders.

In June, more than 20 experts convened to discuss ways to expand the area of the brain that can be reached and treated with focused ultrasound. The workshop identified challenges and defined a path forward for progress.

In September, 25 specialists attended a workshop organized with the Kinetics Foundation to assess the potential of focused ultrasound to allow the delivery of drugs directly to the brain. The participants identified a potential roadmap for clinical applications, including Parkinson’s, Alzheimer’s, and brain cancer.

SYMPOSIA INCREASE GLOBAL CONNECTIVITY AND INNOVATION

The Foundation supports several conferences globally where experts share data on current uses and potential new applications. Exciting possibilities include hypertension, benign bone tumors, obsessive-compulsive disorder, and lung cancer.

The Foundation’s 4th International Symposium on Focused Ultrasound will be held in October 2014 in Bethesda, MD. The symposium is the world’s largest gathering of the focused ultrasound community and has served as an incubator for many collaborative projects since the first meeting was held in 2008.

JOURNAL PROVIDES PLATFORM FOR RAPID SCIENTIFIC EXCHANGE

The Foundation collaborated with the International Society for Therapeutic Ultrasound to launch the Journal of Therapeutic Ultrasound in 2013. This online journal enables investigators to rapidly publish important findings and make them broadly accessible to the global research community. In 2013, 22 translational and clinical research articles were posted.

PARTRNERSHIPS MULTIPLY IMPACT

Our goal is to continue to build collaborations with philanthropies to maximize the impact of our work for a range of serious medical conditions.

The Michael J. Fox Foundation for Parkinson’s Research awarded the Foundation a grant to support a pilot trial for the treatment of Parkinson’s dyskinesia. This relationship affirms the value of our research and our ability to attract funding from disease-specific foundations.

The Epilepsy Foundation of America awarded the Foundation and Swedish Neuroscience Institute in Seattle a grant for the pre-clinical work of a potential two-phase study toward treatment of patients with temporal lobe epilepsy who do not respond to medication.

The Foundation partnered with InSightec and the Binational Industrial Research and Development (BIRD) Foundation in a unique public philanthropy-industry collaboration to fund the essential tremor pivotal trial, the last step towards FDA approval.

“Incredible progress is being made at Stanford through collaborating with the Foundation, industry and our world-class team of engineers and ultrasound physicists. Advancing focused ultrasound is a critical part of our mission to be innovative and improve care for patients.”

—Pejman Ghanouni, MD, PhD, Assistant Professor, Stanford University School of Medicine

“After attending the Foundation’s second symposium I became fascinated by the future potential of focused ultrasound. We have since grown to be one of the most dynamic sites in the world, treating the breast, prostate, bone, fibroids, liver, and pancreas. We will soon start treating neurological disorders as well. Our center, and the entire European community, is indebted to the Foundation for their inspiration and support of our important work.”

—Alessandro Napoli, MD, Assistant Professor of Radiology, Sapienza University, Rome
REACH EXPANDS WITH NEW CENTER OF EXCELLENCE IN LONDON

In 2013, the Foundation and Royal Philips entered into a public-private collaboration with the Institute of Cancer Research (ICR) and the Royal Marsden to establish a state-of-the-art center for focused ultrasound research in London. The center will develop clinical evidence in oncology, establish best practices, define treatment protocols and quality assurance, and train scientists and clinicians.

GLOBAL LEADERSHIP AT THE UNIVERSITY OF VIRGINIA

The Foundation’s first Center of Excellence was established in 2009 at the University of Virginia and has become a global nexus for focused ultrasound, bringing together more than 60 clinicians and scientists from 12 departments to advance the technology through cutting-edge pre-clinical and clinical research. The world’s first focused ultrasound treatments for essential tremor and Parkinsonian tremor were conducted at the UVA center, as well as groundbreaking pre-clinical work.

“Focused ultrasound therapy has tremendous potential in oncology and many other key clinical areas. To achieve this, we need to collaborate in new ways, establish standards for consistent delivery of treatment and train those who will deliver that care. All of that will be happening here, thanks to the Focused Ultrasound Foundation. We are excited and honored to be a part of the network whose aim is to improve treatment outcomes for patients around the world.”

—Professor Gail ter Haar, PhD Co-Head of ICR Center of Excellence

FIBROID RELIEF

The Foundation’s patient support program, Fibroid Relief, is a resource for women seeking information about uterine fibroids and alternative treatment options such as focused ultrasound.

Fibroid Relief partnered with experts from the Mayo Clinic, the Cleveland Clinic, and the University of North Carolina to survey nearly 1,000 U.S. women with fibroids. The survey, which shed new light on the impact, prevalence, and treatment concerns related to fibroids, was published in 2013 in two medical journals and generated media coverage across the country.

Establish Best Practices

SETTING STANDARDS FOR RESEARCH, TRAINING, AND PATIENT CARE

Created through partnerships with academia and industry, the Foundation’s Centers of Excellence are luminary sites that serve as hubs for multi-disciplinary collaboration.

“Focused ultrasound allows you to continue the lifestyle that you lived before with no restrictions. And you can’t ask for anything better than that.”

—Don, retired pilot and farmer, who is grateful to be back in the saddle riding his horse pain free after treatment for painful bone metastases

PATIENT REGISTRY

Although focused ultrasound is approved to treat uterine fibroids in the U.S., Europe and Asia, many insurance providers are seeking more evidence of treatment durability before providing widespread reimbursement. In May 2013, the Foundation, InSightec, and Philips teamed up to announce the establishment of an international fibroid patient registry to provide large-scale evidence for focused ultrasound treatment. The registry will help facilitate reimbursement and drive physician acceptance.

Overcome Barriers

MOVING CLOSER TO PATIENT SOLUTIONS

The Foundation works tirelessly to promote patient access to focused ultrasound through educational and advocacy activities. We also maintain relationships with regulators to engage and educate them about the technology.
Aggregator and Disseminate Knowledge

SPREADING AWARENESS AROUND THE WORLD

The Foundation has a multi-faceted communications program to increase global awareness of focused ultrasound. In 2013, there were more than 75 news stories about the technology and patient experiences.

“I feel really astonished by what I’ve seen here in Virginia. I saw a man turn up yesterday for really what was a very serious operation. I saw him come out of the scanner at the end and chat away to us as if nothing really very big had happened. Most amazing of all was to see a man who had a violent tremor of his hand able to hold his hand completely still. The overall wonder of that is something that I won’t be forgetting for a very long time.”

—Surgeon and BBC Reporter Gabriel Weston

“UVA Study shows focused ultrasound treatment reduced essential tremors”

“Royal Marsden and ICR to take a key role in focused ultrasound research”

“Bone metastases and movement disorders may prove good targets for focused ultrasound”

“Applications of focused ultrasound for non-invasive treatment of brain disorders”

“Royal Marsden and ICR to take a key role in focused ultrasound research”

Cultivate the Next Generation

EMPOWERING PROMISING SCIENTISTS, CLINICIANS, AND STUDENTS

We provide funds to those with the greatest potential for advancing the field to work with experts at leading focused ultrasound sites and build ties for future collaboration.

SCHOLARS PROGRAM

Through a visiting associate professorship, Jean-François Aubry, PhD, a leading focused ultrasound physicist and researcher at the Institut Langevin in France, spent a year working with the Foundation’s Brain Program team and researchers at the University of Virginia. He developed a model to accelerate guiding and monitoring brain treatment and conducted research that led to 10 scientific articles.

MERKIN FELLOWSHIP

In August 2013, the Foundation received a significant gift from Dr. Richard Merkin to create a unique fellowship opportunity for international researchers. The Richard Merkin Visiting Fellowship in Focused Ultrasound will bring scientists from around the world to work with the team at the Foundation.

DOMESTIC AND GLOBAL INTERNSHIP PROGRAMS

The Foundation is investing in the future through an internship program that enables gifted students to work on a variety of research projects with the Foundation’s scientific team in the U.S. and at focused ultrasound laboratories around the globe. The interns have the opportunity to conduct research for submission to scientific journals and serve as valued ambassadors within the technology community.
Mobilizing resources to MAXIMIZE PROGRESS

Momentum continues to build and the Foundation’s catalytic role and unique venture philanthropy platform have attracted the support of an increasing number of donors. Compelled by a sense of urgency, we strategically deploy our donor’s philanthropic dollars to fund high-impact activities that will move the field forward and benefit patients in the shortest time possible.

In 2013, we were pleased to welcome 61 first-time donors to our community. New commitments almost doubled from the previous year to $10.2 million.

<table>
<thead>
<tr>
<th>TOTAL FUNDS RAISED SINCE 2006</th>
<th>NEW COMMITMENTS IN 2013</th>
<th>INCREMENTAL FUNDING NEEDS FOR 2014–2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>$55.2 MILLION</td>
<td>$10.2 MILLION</td>
<td>$25 MILLION</td>
</tr>
</tbody>
</table>

2013 Funding Sources

- 15% Foundations $1,543,744
- 17% Corporations $1,765,209
- 68% Individuals $6,948,128
- 23% Corporations $12,908,070
- 64% Individuals $35,220,135

2006–2013 Funding Sources

- 10% Government $5,619,000
- 3% Foundations $1,543,744
- 1% Corporations $1,765,209
- 68% Individuals $6,948,128
- 23% Corporations $12,908,070
- 64% Individuals $35,220,135

2013 Use of Funds*

- Research $2,158,318
- Collaborative Research $458,364
  - Network/Symposia/Meetings $129,910
  - Fellowships $787,901
  - Communications $287,733
  - Reimbursement/Fibroid Relief $230,327
  - Regulatory $160,526
  - Centers of Excellence $671,637
- Development
- TOTAL $4,884,716

2006–2013 Use of Funds*

- Research $11,010,434
- Collaborative Research $2,961,074
  - Network/Symposia/Meetings $1,489,721
  - Fellowships $2,622,194
  - Communications $1,217,588
  - Reimbursement/Fibroid Relief $500,099
  - Regulatory $4,680,232
  - Centers of Excellence $2,925,462
- Development
- TOTAL $28,316,804

2006–2013 Summary Of Expenses*

- Programs + Research $22,417,689
- Development $2,305,712
- Administration $3,593,403
- TOTAL $28,316,804

*All figures are reported on a cash basis.

Audited financials and our IRS Form 990 are available upon request.
Turning Vision INTO REALITY

We appreciate the generosity of our nearly 250 supporters who have committed $55.2 million since the Foundation was established. Thank you for the tremendous breakthroughs that you have helped to make possible. Your continued support can play an outsized role in spurring innovation and building upon this progress.

Mr. Thomas N.P. Johnson III
Mr. and Mrs. William Johnson
The Janet Stone Jones Foundation
Lou and Dan Jordan
JF Morgan
Drs. Lee and Neal Kassell
Marcia and Jonathan Kean
The Kellogg Organization Inc.
William R. Keen, Jr. Charitable Trust
Kinetix Foundation
Mr. and Mrs. Donald A. King, Jr.
Mr. and Mrs. Fritz R. Kundrun
John L. Lewis IV
Mr. and Mrs. Harvey L. Lindsay, Jr.
Terry J. Lockhart
Josephine P. and John J. Louis Foundation
Joseph Lust Designs, LLC
John and Dudley Macfie
J F. Maddox Foundation
Paul and Diane Manning
Mr. and Mrs. Richard Mayo
Janice McArtier Cancer Research Foundation
MedTech Advisors
The Melville Foundation
Richard Mekin, MD
Methodist Hospital
The Michael J.Fox Foundation for Parkinson’s Research
Microsoft Corporation
Milken Family Foundation
Mississippi Children’s Foundation
FedEx
National Cancer Institute of the National Institutes of Health
Paula and Rob Newcomb
Karen Nielsen
Dick and Judy Nunley
Mr. Edward P. Owens
Dick and Judy Nunley
Karen Nielsen
Paula and Rob Newcomb
Karen Nielsen
Dick and Judy Nunley
Mr. Edward P. Owens
Phils Healthcare
Joy Marie Polefrone
JP Morgan
Cynthia M. Reusche
Varian Medical Systems Foundation
Mrs. Faith Van Clief
Sarah Beck and Wojtek Uzdelewicz
University of Virginia
Jane Tolleson
Donna Thompson
The Ware Foundation
R. Ted and Sheila Wescott
Curtis Winstead Fund of The Community Foundation Serving Richmond and Central Virginia
Mr. Kurt Werdep, CPA
Anonymous

This report lists all those who have supported the Foundation as of April 1, 2014. * Denotes donors who are now deceased.

‘I can’t help but think of ‘Star Trek’ when Bones the doctor refers to the barbarians in the 20th century, the potential seems endless … I have told many people about the Foundation, and they have all been thrilled to know there is hope for them and their loved ones.”

—Karen Harris, the Foundation’s first online donor
The Focused Ultrasound Foundation lost one of its most passionate supporters in January 2013 when Cornelia “Neil” Keller died from the consequences of a decades-long battle with neurofibromatosis, a condition that causes brain and spinal cord tumors. Widely recognized as a human rights activist and philanthropist, Neil was the founding donor of the Foundation’s Brain Program. Her particular interest was in developing focused ultrasound as a non-invasive treatment for brain tumors. Her hope was that focused ultrasound would someday be available to help others with her condition and similar afflictions.

Although Neil’s wish to be treated with focused ultrasound was not able to be granted in her lifetime, her commitment to advancing this technology for others lives on through the Cornelia Flagg Keller Memorial Fund for Brain Research.

Established in March of 2013, the Keller Fund supports the Foundation’s initiatives that drive us closer to making focused ultrasound widely available to those suffering from brain tumors and neurological disorders.

The Fund encompasses not only Neil’s generosity but also the extraordinary outpouring of support from many family members and friends who have made gifts in her memory. To date, more than $2.5 million has been raised. We are honored to be a part of Neil’s tremendous legacy and are thrilled that the Fund is perpetuating her memory while striving toward her goal of saving and improving the lives of those in need.

In Honor of

Neal F. Kassell and Daniel P. Jordan
Neal F. Kassell, Dan and Lou Jordan, and Dr. Joy Polefrone
Daniel P. Jordan given by the President’s Discretionary Fund in the Charlottesville Area Community Foundation
Friends and Clients given by Ms. Adria de Haume
Diane Heller given by Douglas and Elizabeth Kinney
The John and Eleni Rafetto Family given by Mitch Landgraf
Neal F. Kassell given by Mr. and Mrs. John Lucey

In Memory of

Annie Newman Johnson
Nicole Ann Smith
Jean and Chris Cullather by Mr. John C. Cullather and the Cullather Cancer Fund of the Community Foundation Serving Richmond and Central Virginia
Mr. Ray Joslin, Mrs. Frances McCarthy, Mr. Malcolm Pray, Mr. Kumar Siddana, and Mrs. Sarah Wolff given by the Three Trees Fund of Akron Community Foundation
James Thompson and John Levicki given by Mr. and Mrs. John Lucey
Mr. Edward H. Starr, Sr. given by Mr. Edward H. Starr, Jr.
Bertrand L. Taylor III given by Fay Taylor

Cornelia “Neil” Keller

The children of Cornelia Keller
Aetna Foundation
Mrs. Kathryn Anderson
Mrs. Phoebe F. Antrim
Dennis and Nina Barnes
Mr. John H. Beocock
Ms. Cynthia Davis
Mr. Claiborne P. Deming
Mrs. Eleanor Devens
James and Elizabeth Stutts
Mr. Samuel R. Freeman
Mrs. Caroline Heiner
Heiner Family Fund in the Charlottesville Area Community Foundation
Pete and Sandra Jacob
Ms. Joann W. Kellogg

The following donors have contributed to the Cornelia Flagg Keller Memorial Fund for Brain Research

Diny and Jim Landen Family Fund
Maxwell Fund in the Charlottesville Area Community Foundation
Ms. Eileen M. Neal
Jeffrey W. and Cara B. Nolan
William C. and Theodosia Murphy Nolan Foundation
Ms. Dorothy S. Schoeneman
Mrs. Berrie Murphy Deming Smith
James and Elizabeth Stutts
Mrs. Caroline Theus Charitable Fund
Mrs. Margaret Heiner Tostman
Mrs. Caroline Keller Winter
LEADERSHIP

Neal F. Kassell, MD
Chairman, Founder
Focused Ultrasound Foundation
Professor of Neurosurgery,
University of Virginia

Dorothy N. Batten
Former Director
Landmark Communications, Inc.
Director
Amazon Conservation Association

S. Morry Blumenfeld, PhD
Founding Partner
Meditech Advisors Management

Lodewijk J.R. de Vink
Founding Partner
Blackstone Healthcare, LLC

Eugene V. Fife
Founding Principal
Vawter Capital, LLC

John R. Grisham
Author

Daniel P. Jordan, PhD
President Emeritus
Thomas Jefferson Foundation, Inc.

Edward D. Miller, MD
Retired CEO
Johns Hopkins Medicine
Retired Dean
Johns Hopkins University
School of Medicine

Frederic H. Moll, MD
Co-founder
Intuitive Surgical
Co-founder & Executive Chairman
Auris Surgical Robotics, Inc.

Steve H. Rusckowski
Former CEO
Philips Healthcare
President and CEO
Quest Diagnostics Inc.

Andrew C. von Eschenbach, MD
President
Samaritan Health Initiatives
Senior Director
Strategic Initiatives at the
Center for Health Transformation

COUNCIL

Our Council members act as goodwill ambassadors who connect us to the greater community, increase awareness and assist in development.

CO-CHAIRS
Jane P. Batten
Charles H. Seilheimer, Jr.

MEMBERS
John B. Adams, Jr.
Ellen H. Block
Charles F. Bryan, Jr., PhD
Thomas Chewning
Nancy Jones Chewning
Norwood Davis
Marguerite Davis
Diane Heller
Cecelia S. Howell
Dean Kamen
Robert Khayat, JD, LLM
Syaru Shirley Lin, PhD
Amanda Megargel
Antonio J. Mendez
Jonna Hiestand Mendez
Michael Milken
Paula F. Newcomb
Wyndham G. Robertson
Mary Lou Seilheimer
Alice H. Siegel
Aaron Stern, MD, PhD
Howard H. Stevenson
Fredericka Stevenson
John B. Syer
Jane Tolleson
Meredith Jung-En Woo, PhD
Linda K. Zecher

"The Foundation’s creative use of ultrasound technology in managing Parkinson’s initially attracted us; the potential for future advancements will continue to command our attention and interest. We are proud to be associated with such an effort."

—Tony and Jonna Mendez, Council members
THE TEAM

Mark Adcock
Information Technology and Data Manager

Rachel Browning
Communications Associate

Matt Eames, PhD
Director of Extramural Research

Jessica Foley, PhD
Scientific Director

Arik Hananel, MD, MBA
Medical Director

Melissa Healy, MS
Administrative Assistant

Sara Horton
Director of Finance

Heather Huff-Simonin, MBA
Director of Global Business Development

Robin Jones
Director of Clinical Trials Coordination

Neal Kasell, MD
Foundation Chairman

Susan Klees
Director of Communications

Pamela Minetti, MBA
Director of Development

David Moore, MSc
Director of Technology

Whitney Robertson, MA
Development Officer

Mary Rose Serafini
Business Manager

John Snell, PhD
Technical Director – Brain Program

LEADERSHIP

Patient celebrates after regaining the use of his right hand through focused ultrasound.

If you would like additional information or want to discuss how you can support our mission, please contact Pamela Minetti, Director of Development, at 434.326.9830 or pminetti@fusfoundation.org

www.fusfoundation.org
Imagine the difference you can make...

“I imagine the future where focused ultrasound can be used to non-invasively modify the brain’s neuronal circuits to treat depression and other psychiatric disorders.”

—Alex Korb, PhD, Neuroscientist, UCLA

“We all know people suffering from disease and know the emotional, physical, and financial stress that they and their families experience with many of the traditional treatments. Imagine the relief that focused ultrasound can provide....”

—Ellen H. Block, Donor and Council member

“I feel like it was a miracle ... ”

—Joe, a patient with Parkinsonian tremor treated with focused ultrasound