Interventional radiologists invented angioplasty to open blood vessels; stenting to hold vessels open; nonsurgical ablation of tumors to kill cancer without harming surrounding tissue; embolization therapy to block blood supply to tumors; and catheter-directed thrombolysis to clear blood clots and prevent disability from deep vein thrombosis and stroke.

Their pioneering spirit is alive and well today…

SIR Foundation continues this specialty’s tradition of innovation by strategically funding and supporting the development of scientifically sound research.

By forming a body of evidence, interventional radiology is proving it is the right choice for front-line patient care.

James B. Spies, MD, FSIR, Chair
Georgetown University Medical Center

Michael D. Darcy, MD, FSIR, Vice Chair
Mallinckrodt Institute of Radiology

Joseph Bonn, MD, FSIR, Immediate Past Chair
The Lankenau Hospital

Howard B. Chrisman, MD, MBA, FSIR, Treasurer
Northwestern University Medical School

Romi Chopra, MD
Midwest Institute for Minimally Invasive Therapies

Jeff H. Geschwind, MD, FSIR
Johns Hopkins Hospital

Eamonn P. Hobbs
AngioDynamics, Inc

Keith M. Hume, MA
Society of Interventional Radiology Foundation

Frederick S. Keller, MD, FSIR
Dotter Interventional Institute

Katharine Krol, MD, FSIR
St. Vincent Hospital

Peter B. Lauer, CAE
Society of Interventional Radiology

Gordon McLennan, MD
Indiana University Hospital

Albert A. Nemcek, Jr., MD, FSIR
Northwestern Memorial Hospital

William S. Rilling, MD, FSIR
Medical College of Wisconsin

John H. Rundback, MD, FSIR
Holy Name Hospital, Columbia University

David Sacks, MD, FSIR
The Reading Hospital and Medical Center

Michael Soulen, MD, FSIR
Hospital of the University of Pennsylvania
**Mission**

**SIR FOUNDATION** is a scientific foundation dedicated to fostering research in interventional radiology for the purposes of advancing scientific knowledge, increasing the number of skilled investigators, and developing innovative therapies that lead to improved patient care and quality of life.

The Foundation is committed to developing and enhancing innovative, minimally invasive, image-guided therapies from inception to mature clinical application and to conducting educational programs in the service of its mission.

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**Table of Contents**

- Mission .................................................. 1
- Message from the Chair .............................. 2
- Advancing Uterine Artery Embolization .......... 3
- Combating Vascular Disease ......................... 4
- Expanding the Body of Evidence for Interventional Oncology ........................................ 7
- Fostering Innovations in Imaging .................. 8
- Developing Technology in Emerging Areas ...... 10
- Recognizing Outstanding Individuals ............. 12
- About SIR Foundation .................................. 14
- Our Generous Supporters ............................. 16
- Financial Summary ...................................... 20
Message from the Chair

Dear Colleagues and Friends:

For the past few years, our Board of Directors has actively identified new ways to further enhance, expand, and solidify interventional radiology’s role in shaping the practice of medicine. Whether it is through our IR clinical trials network, or our support of medical students, radiology residents, IR fellows, or other IR researchers, SIR Foundation has positioned itself as a valued resource for the advancement of interventional medicine. The Foundation has done so by developing and supporting programs that allow IR procedures and techniques to be studied and validated thus facilitating the dissemination of information and findings about these studies and research areas. Just taking a look through our 2006 Annual Review, you will see descriptions and updates on over 30 research projects that SIR Foundation has helped to foster.

I am proud to say that through SIR Foundation-developed or funded projects, IR research is regularly presented at national scientific meetings and published in peer-reviewed journals. Furthermore, IR research is receiving increased attention at the national level. SIR Foundation-supported interventional radiologists have gone on to obtain clinical trial and basic science grant support from the National Institutes of Health (NIH) and recently investigators working directly through our CAIRR network have established relationships and submitted clinical studies for federal funding to the NIH’s National Heart, Lung, and Blood Institute and the National Institute of Neurological Disorders and Stroke. These are great successes for IR and SIR Foundation is committed to fostering even more of these types of successes in the future.

Our Board of Directors acknowledges the evolving need in medicine for clinical trials, evidence-based medicine, and procedure validation. By supporting investigators and their innovative projects, SIR Foundation is helping to shape our understanding of current medical therapies and foster the next generation of medical advances, as well as those who will be the leaders in discovering those advances. We are looking forward to being able to provide the resources and infrastructure to allow interventional radiology techniques to grow and lead the development of 21st century medicine.

Thank you for your generous support of our work. I look forward to many more years of shared success.

Sincerely,

James B. Spies, MD, FSIR
Chair – SIR Foundation
Advancing Uterine Artery Embolization

A catheter-directed, nonsurgical alternative to hysterectomy and myomectomy surgery.

Of the 600,000 hysterectomies performed annually in the United States, one-third are due to fibroids. Uterine artery embolization (UAE) does not require general anesthesia and uses real-time imaging and interventional techniques to block blood flow to the fibroid tumor causing it to shrink and symptoms to subside. Patients return to normal daily activity in days, instead of weeks.

In 2006, SIR Foundation carried out the following activities to further advance the body of science on UAE:

>> Completed long-term, three year follow-up on UAE Fibroid Registry for Outcomes Data (FIBROID) Registry patients and closed the registry to data collection.

Longitudinal data have been collected from 25 sites and includes follow-up at 6-months, 12-months, 24-months, and 36 months for assessment of clinical outcomes, quality of life and patient satisfaction.

<table>
<thead>
<tr>
<th>Follow-up</th>
<th>Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Six-month</td>
<td>1,797</td>
</tr>
<tr>
<td>12-month</td>
<td>1,701</td>
</tr>
<tr>
<td>24-month</td>
<td>1,681</td>
</tr>
<tr>
<td>36-month</td>
<td>1,277</td>
</tr>
</tbody>
</table>

Collection of long-term data allows for the evaluation of outcomes and patients’ success with the procedure over time. The FIBROID Registry is a responsible way to monitor outcomes of a procedure that has become mainstream.

>> Distributed more than 12,200 reprints of three UAE FIBROID Registry manuscripts published by Obstetrics and Gynecology in 2005.

>> Published a proceedings paper from the 2005 UAE research priorities consensus conference in the December issue of Journal of Vascular and Interventional Radiology.

Assembled a study development team to begin a clinical trial to assess the reproductive impact of UAE and abdominal myomectomy.

UAE and Myomectomy Trial Study Leadership

James B. Spies, MD, FSIR, Principal Investigator
Susan Ascher, MD
Linda Bradley, MD
Scott C. Goodwin, MD, FSIR
David M. Horosepian, MD
Evan Myers, MD, MPH
Jean-Pierre Pelage, MD, PhD
Gaylene Pron, PhD
John H. Rundback, MD, FSIR
Gary Siskin, MD, FSIR
Elizabeth A. Stewart, MD
Robert L. Worthington-Kirsch, MD, FSIR
Peripheral Arterial Disease (PAD) affects an estimated 10 million people in the U.S., however only 25% of PAD sufferers are receiving treatment. Individuals with PAD are at greater risk for heart attack, stroke, and loss of limbs, yet awareness among the general public and primary care physicians regarding diagnosis, treatment, and prevention of this disease is extremely low.

In 2006, SIR Foundation educated the public and screened patients as follows:

- **Collaborated with the Society of Interventional Radiology and the National Heart, Lung, and Blood Institute to publicize “Stay in Circulation,” an annual campaign to promote PAD awareness.**

- **SIR Foundation’s Legs For Life® public education and community wellness program screened people who may be at risk for PAD and helped them take the next step in resolving their pain. The PAD screenings at participating Legs For Life sites were offered at no charge, as a community service.**

> To educate reporters, patients and referring physicians about PAD and other vascular diseases, SIR Foundation issued Legs For Life media alerts, press releases, an audio news release, a camera-ready newspaper article and B-roll video tape in September 2006.

Keith Sterling, MD, records a radio news clip about Legs For Life for national distribution. The clip, focused on African-Americans who are twice as likely to develop PAD, ran on local radio stations and was heard by nearly 10 million Americans.
Combating Vascular Disease cont’d

PAD Awareness Messages Reach Millions

2006 Media coverage included:

**NATIONAL RADIO AND TELEVISION**
- ABC Radio
- Business Talk Radio
- CBS – Westwood One Affiliates
- PR Newswire
- Retirement Living Television
- USA Radio

**INTERNET**
- National Institutes of Health Documents and Publications
- NewsRx.com
- RedOrbit.com

**NEWSPAPER**
- Biotech Business Week
- Biotech Week

- Cardiovascular Business Week
- Cardiovascular Device Liability Week
- Cardiovascular Week
- Diabetes Week
- Drug Week
- Health & Medicine Week
- Healthcare Finance, Tax & Law Weekly
- Heart Disease Weekly
- Lab Business Week
- Life Science Weekly
- Mental Health Weekly Digest
- Obesity & Diabetes Week
- Obesity, Fitness & Wellness Week
- Pharma Business Week
- Physician Law Weekly
- Reuters Health
- Science Letter
- Scientific American
- World Disease Weekly

**LOCAL COVERAGE**

(TELEVISION OR NEWSPAPER)
- Annapolis, MD
- Augusta, GA
- Baxter, AR
- Boston, MA
- Chicago, IL
- Grand Rapids, MI
- Los Angeles, CA
- Nashville, TN
- Oklahoma City, OK
- San Diego, CA
- Springfield, IL
- Portland, OR
- Rochester, NY

---

Thank You, 2006 Legs For Life Screening Sites
Because of your participation:

- 11,000 patients were screened at 135 sites across 34 states and internationally in 2006.
- More than 320,000 patients have been screened at 3,200 sites over the years.

Legs For Life is a national public education and vascular screening program. Screenings are held annually in September. One in four people screened are found to be at a high or moderate risk for PAD and AAA. Only 25% of PAD sufferers are receiving treatment. For more information, please visit www.LegsForLife.org.

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Sample posters and stickers that SIR Foundation provided to Legs For Life screening sites.
DEEP VEIN THROMBOSIS

Interventional radiology clot-busting treatment prevents permanent leg damage.

There are nearly 400,000 new cases of deep vein thrombosis diagnosed and treated each year in the U.S. and up to 50% of these patients suffer from post-thrombotic syndrome.

In 2006, SIR Foundation worked in collaboration with the study development team of the Acute Venous Thrombosis: Thrombus Removal with Adjunctive Catheter-directed Thrombolysis (ATTRACT) trial to develop a multi-center clinical trial that addresses the use of pharmacomechanical catheter-directed thrombolysis in patients with acute deep vein thrombosis.

ATTRACT was submitted to the National Institutes of Health's National Heart, Lung, and Blood Institute in June.

Through the CAIRR clinical trials network over 75 potential study sites were identified for trial participation.

STROKE PREVENTION

Stroke is the third leading cause of death in the U.S. and 600,000 Americans will have a new or recurrent stroke each year. Asymptomatic cervical carotid stenosis represents approximately 3/4 of carotid disease patients, affecting 5-33% of individuals over the age of 60.

In 2006, SIR Foundation worked in collaboration with the study development team of the Transatlantic Asymptomatic Carotid Intervention Trial (TACIT) to further develop an international multi-center clinical trial to evaluate the effect of carotid artery stenting and medical therapy on asymptomatic patients suffering from carotid artery stenosis.

TACIT was submitted to the National Institutes of Health's National Institute for Neurological Disorders and Stroke (NINDS) for Council Review in April.

Through the CAIRR clinical trial network, over 150 study sites in the U.S. and Europe have been identified for possible trial participation.

TACIT was submitted as a clinical trial development grant to NINDS in December.


John H. Rundback, MD, FSIR, Principal Investigator
Barry T. Karzen, MD, FSIR, U.S. Study Chair
Matthew Thompson, MD, E.U. Study Chair
Martin Brown, MD, Neurology Study Chair
J.P. Mohr, MD, Neurology Study Chair
Giorgio Biasi, MD
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Bruce Perler, MD
Rodney D. Raabe, MD, FSIR
Kenneth Rosenfield, MD
Gary S. Roubin, MD
Marc S. Sapoval, MD, PhD

Expanding the Body of Evidence for Interventional Oncology

*Interventional Radiologists can deliver treatments for cancer directly to a tumor without significant side effects or damage to nearby tissue, improving patients’ quality of life.*

*There are approximately 174,000 new lung cancer cases and 14,000 primary liver cancer cases diagnosed each year.*

**SIR Foundation Grants Awarded:**

- **A** Dr. Ernest J. Ring Academic Development Grant was awarded to *Filip Banovac, MD*, of Georgetown University, to study radiofrequency ablation (RFA) of lung tumors using an electromagnetic position-sensing device that tracks the tip of the RFA probe as it is inserted into the tumor.

- **A** Radiology Resident Research Grant was awarded to *Suvranu Ganguli, MD*, of Harvard University/Beth Israel Deaconess Medical Center, to investigate combination RFA and transarterial hepatic chemoembolization for the treatment of larger hepatic tumors.

- **A** Medical Student Research Grant was awarded to *Joseph Young*, of Northwestern University, to investigate the long-term effects of transcatheter arterial embolization on the expression of the angiogenic protein hypoxia-inducible factor-1 alpha.

**SIR Foundation-Funded Research Completed in 2006:**

*Ihab Kamel, MD*, of Johns Hopkins University, received a Pilot Research Grant in 2003 to study early tumor response to transarterial chemoembolization (TACE) using line scan diffusion MR imaging by determining the optimum timing for MR imaging in assessing tumor necrosis after TACE. Results from Dr. Kamel’s study suggest that cellular changes can be seen as early as two weeks following chemoembolization and that this rapid turnaround time may enable physicians to better assess tumor development and plan future therapies.
A multidisciplinary research consensus panel convened in October to develop a prioritized research agenda for cardiovascular imaging of peripheral arterial disease. The panel concluded that a randomized trial designed to determine how well whole body magnetic resonance imaging of atherosclerotic burden correlates with changes in targeted medical therapy and ischemic clinical events is a top priority.

SIR Foundation Grants Awarded:

>> A Medical Student Research Grant was awarded to Briana Beauchene, of Midwestern University, to determine whether PET/CT alters the decision making process of the interventional radiologist in choosing whether or where to biopsy in patients referred for CT-guided biopsy, compared to CT alone, or PET and CT read side by side without image fusion.

>> A Clinical Fellowship Research Training Program Grant awarded to Reed Omary, MD, of Northwestern University, is providing IR clinical fellow John Sheehan, MD, dedicated research time to conduct research studies evaluating patients with suspected cardioembolic stroke with cardiovascular MR-comparison with echocardiography.
W. Zhuang, MD, of Dartmouth College, received a Pilot Research Grant in 2004 to evaluate two-dimensional multidetector row computed tomographic angiography and three-dimensional volume rendering for depicting patterns of arterial growth and quantification of vessel density and volume. Dr. Zhuang’s research showed the two different types of arterial growth patterns: bridging collateral arteries and branching arteriogenesis and also reported that BMC injection impacted arteriogenesis. Results from this study can be used for future therapeutic angiogenesis research and functional imaging, and eventually applied to clinical practice.


Shantanu Sinha, PhD, of the University of California, received a Pilot Research Grant in 2004 to explore the possibility that hemodynamic indices extracted from the aneurismal flow patterns visualized with high resolution MR phase contrast imaging at 3T will provide in-vivo, noninvasive, clinically relevant markers of the aneurysm condition. Dr. Sinha was able to develop imaging, visualization and analysis of hemodynamics in carotid atherosclerosis and aneurysm models.


Developing Technology in Emerging Areas

The landscape of medicine is constantly changing and for the past 30 years, interventional radiologists have been responsible for much of the medical innovation and development of the minimally invasive procedures that are commonplace today. Procedure and technology development will ensure that interventional radiology leads the way in the development and practice of 21st century medicine.

>> SIR Foundation partnered with other national organizations for the development of the 4th Biomedical Imaging Research Opportunities Workshop (BIROW). As a result of IR representation, significant emphasis was placed on image-guided interventions. One of the BIROW’s plenaries examined Image-Guided Intervention in the 4th Dimension—Time and over 50% of the abstracts presented at the conference related to image-guided interventions.

Gordon McLennan, MD, and Filip Banovac, MD, participated on the 2006 BIROW program committee.

SIR Foundation Grants Awarded:

>> A Pilot Research Grant was awarded to Craig Glaiberman, MD, of Washington University, to examine the use of medical simulation to assess safety and efficiency during a simulated renal artery stent procedure. Results from this project will help to lay the foundation for objective evaluation of skills assessment using simulation.

Jennifer Gould, MD

>> A Clinical Fellowship Research Training Program Grant awarded to Jennifer Gould, MD (above), of Washington University, is providing IR clinical fellow Ashesh Parikh, MD, dedicated research time to conduct research for testing and establishing methods of recording data from the multiple sources used by interventional radiologists during actual patient procedures.

>> A Radiology Resident Research Grant was awarded to Andrew Long, MD, of Cornell University, to develop a bench top flow model to simulate the lower extremity venous system for the in vitro evaluation of a novel venous valve prosthesis. This investigation is intended to be preliminary research in the development of the prosthetic valve design, and is expected to be followed by additional in vitro and in vivo studies.
A Medical Student Research Grant was awarded to Benjamin Jacobs, of Washington University, to create and validate scoring metrics to assess proficiency during simulated angiographic procedures and other related tasks. The research aims to validate angiographic simulators as a virtual “wind tunnel” in which new tools can be designed, manipulated, and assessed.

A Medical Student Research Grant was awarded to Robert Jajko, of University of Illinois, to analyze and compare different catheter types used for the implantation of islet cells into the portal vein via the percutaneous transhepatic approach. This research project will evaluate which type of catheter and pressure will allow a low shear transplant technique to reduce islet damage during transplantation.

A Medical Student Research Grant was awarded to Betty Tuong, of University of Toronto, to explore the experience of conducting mortality and morbidity reviews in a pediatric interventional radiology setting, and to examine the type and range of issues encountered, the lessons learned and the impact of implementing recommendations on patient care.

John Angle, MD, of the University of Virginia, received a Pilot Research Grant in 2005 to investigate whether siRNAs directed against a known stimulant of neointima called VCAM-1 can slow or reduce neointima formation. Dr. Angle’s research examined the effect of VCAM-1 on SMC migration by blocking the expression of VCAM-1 with sequence specific siRNAs. Results from this study identified a new role for VCAM-1 in regulating SMC migration and proliferation, and discovered that VCAM-1 expression may be utilized for the treatment of atherosclerosis and restenosis.

Andrew R. Forauer, MD, of the University of Michigan, received a Pilot Research Grant in 2000 to look at the evolvement and histopathology of fibrin sheaths that sometimes develop on indwelling catheters. Results from Dr. Forauer’s study suggest that fibrin sheath formation is a mix of active cell types caused in part by vein wall hyperplasia and thrombus organization. These findings can be used to further understand the underlying etiology of catheter infections.

Timothy Clark, MD, of the University of Pennsylvania, received a Pilot Research Grant in 2003 to study shunt physiology by measuring portal vein blood flow rates and oxygenation patterns in patients with transjugular portosystemic shunts (TIPS). Results from Dr. Clark’s study showed an increase in mean portal vein flow after TIPS. These findings may be applied to create stronger proof of a relationship between TIPS flow and the risk of hepatic encephalopathy and liver failure.

David C. Madoff, MD, of the University of Texas, MD Anderson Cancer Center, received a Pilot Research Grant in 2003 to test the feasibility, safety, and effectiveness of transarterial approach portal vein embolization (TA-PVE) – a new method of portal vein embolization (PVE). Results from Dr. Madoff’s study suggest that TA-PVE leads to higher future liver remnant (FLR) volumes when compared to standard PVE. By increasing FLR, TA-PVE may reduce the possibility of surgical complications and the need to utilize more invasive methods.
Recognizing Outstanding Individuals

Interventional radiology carries a rich tradition of developing innovations that improve patient care. Each year, SIR Foundation proudly bestows awards for outstanding achievements in research and innovation.

**Leaders in Innovation Award**

**Josef Rösch, MD, FSIR**
Oregon Health and Science University

The Leaders in Innovation Award recognizes a SIR member who conceptualizes and implements innovations that affect devices, techniques and clinical practice models. Although the 2006 recipient, Josef Rösch, MD, FSIR, is often associated with the transjugular intrahepatic portosystemic shunt (TIPS), his influence on and advancement of interventional radiology goes well beyond one procedure.

Rösch has many innovations to his credit, including:

- Conception and early development of the TIPS procedure
- Use of embolization to control gastrointestinal bleeding
- Advancing visceral angiography
- Recanalization of fallopian tubes
- Development of expandable metallic stents for the treatment of esophageal and tracheobronchial obstructions
- Use of the internet and ISDN lines in transmitting live medical procedures and interventional radiology meetings.

**Dr. Gary J. Becker Young Investigator Award**

**Michael Kuo, MD**
University of California at San Diego

Each year, the author of an outstanding clinical science research paper submitted for presentation at the SIR Annual Scientific Meeting receives the Dr. Gary J. Becker Young Investigator Award. This award honors the founding editor of the *Journal of Vascular and Interventional Radiology* by recognizing the importance of the young investigator in developing the interventional solutions for the future.

The 2006 recipient, Michael Kuo, MD, is from the University of California at San Diego. His research is on radiogenomic analysis to identify imaging phenotypes associated with drug response gene expression programs in hepatocellular carcinoma.
The annual Dr. Charles T. Dotter Lecture honors an early pioneer in interventional radiology who has made extraordinary contributions to the specialty. In 2006, it was awarded to Andy Adam, MD, FSIR, whose vision of interventional radiology is limitless — his collaborative efforts in the United States, as well as in Europe and Asia, create a stronger international medical specialty.

Dr. Adam’s primary clinical and research interests are in the areas of biliary and gastrointestinal intervention, and percutaneous tumor ablation. His work has played an important role in establishing the value of metallic stents for a variety of clinical conditions. He has published over 200 scientific papers and book chapters, has edited seven books, has been a visiting professor in 18 universities, and has given over 400 invited lectures internationally.

**Dr. Constantine Cope Medical Student Research Award**

**Judd Goldberg**
New York University
Effect of Needle Alignment on Specimen Adequacy During Transjugular Liver Biopsy

**Jonathan Park**
Northwestern University
3.0T MRI Assessment of Renal Function During Angioplasty of Renal Artery Stenosis in Swine

**Amy White**
Georgetown University
Ovarian Artery Incidence and Significance in Uterine Artery Embolization for Symptomatic Leiomyomas

**Resident/Fellow Research Award**

**Nadine Abi-Jaoudeh, MD**
Centre Hospitalier Universitaire de Quebec
Endobronchial Dilation and Stent Placement for Bronchial Stenosis in Patients after Lung Transplantation

**Elizabeth Arleo, MD**
Cornell University
Features Influencing Patient Selection for Fibroid Treatment with MR-Guided Focused Ultrasound
About SIR Foundation

**COOPERATIVE ALLIANCE FOR INTERVENTIONAL RADIOLOGY RESEARCH**

Established as a program of SIR Foundation in 2004, the Cooperative Alliance for Interventional Radiology Research (CAIRR) is a clinical trials network that aims to promote, develop, and ensure implementation of clinical trials that use image-guided interventions, expand the number of experienced and nationally funded IR investigators, and create an IR clinical trial infrastructure that will lead the way towards the healthcare delivery of the future. CAIRR provides support for identifying strategic research priorities in interventional radiology procedures and technology development, and works directly with investigators to facilitate clinical trial protocol design, planning and review, study site identification, and trial promotion.

**RESEARCH GRANT PROGRAM**

Initiated in 1996, the research grant program encourages the scientific advancement of interventional radiology and investigators by sponsoring a robust portfolio of grant programs. Investigators are encouraged to submit their original research ideas that demonstrate promise of advancing the practice of interventional radiology.

**Dr. Ernest J. Ring Academic Development Grant**

Designed to provide support to junior IR faculty members early in their academic careers, to allow time for the conduct of research, with the goal of having the grant recipient subsequently obtain additional funding from other sources, e.g., National Institutes of Health (NIH).

**Pilot Research Grant Program**

Designed to fund research in areas identified by the SIR Foundation as important to the advancement of IR and patient care. These grants generally address a specific hypothesis and generate preliminary data that could be used to justify or strengthen subsequent comprehensive applications to national peer-reviewed funding agencies. Grants may be issued to support the initial research efforts of faculty as well as those who have limited research experience.

**Academic Transition Grant**

Designed for interventional radiologists over the age of 40 who have recently begun academic careers after spending several years in non-academic practice. The grant is intended to facilitate the establishment of a record of independent research by the investigator in order to promote a successful academic career.

**Clinical Fellowship Research Training Program Grant**

Designed to provide research project support funds to IR departments for the purpose of providing research training and experience opportunities for IR clinical fellows during their fellowship.

**Radiology Resident Research Grant**

Designed to foster an interest in research by funding a research project conducted by the resident in an area identified by SIR Foundation as important to the advancement of IR and patient care.

**Medical Student Research Grant**

Designed to foster an interest in research by funding a summer research project conducted by a medical student in an area identified by SIR Foundation as important to the advancement of IR and patient care.

**RESEARCH AWARD PROGRAM**

**Leaders in Innovation Award**

Established in 2002, the Leaders in Innovation Award recognizes and promotes innovation within the Society of Interventional Radiology. Recipients are pioneers of interventional radiology who have made a career of implementing ideas that influence the development of devices, techniques, and clinical practice models.

**Dr. Gary J. Becker Young Investigator Award**

Established in 1990, the Dr. Gary J. Becker Young Investigator Award recognizes promising young practitioners of interventional medicine early in their careers and encourages their pursuit in academia. Each year, the author of the outstanding clinical science research paper submitted for presentation at the SIR Annual Scientific Meeting receives this distinguished award.

**Dr. Constantin Cope Medical Student Research Award**

Established in 2004, the Dr. Constantin Cope Medical Student Research Award recognizes high-quality research presented at the SIR Annual Scientific Meeting by medical students. The purpose of the award is to introduce interested medical students, in their 2nd, 3rd or 4th year of medical school, to the greater interventional radiology community at the SIR Annual Scientific Meeting.
Resident/Fellow Research Award

Established in 2004, the Resident/Fellow Research Award is designed to provide radiology residents and interventional radiology fellows an opportunity to attend and present their scientific research at the SIR Annual Scientific Meeting. This research award recognizes high-quality research by trainees and exposes young researchers, who wish to further their career in interventional radiology, to the SIR Annual Scientific Meeting.

Research Education Division

The Research Education Division initiates and promotes educational activities for the purpose of developing knowledgeable and skilled investigators and new partnerships in emerging areas. One strategic goal of the Foundation’s Research Education Division is for all academic IR faculty to attend a research training course within three years of appointment.

Legs for Life

Launched nationally in 1999, Legs For Life is a national education and screening program dedicated to the cardiovascular health of the community. The program focuses on identifying peripheral arterial disease (PAD), abdominal aortic aneurysm, venous disease, and carotid artery disease. The primary goals of Legs For Life are to educate the public, primary care physicians, and the medical community, to identify patients at risk, and to strengthen collaborative relationships among health care professionals who treat these conditions.

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* Denotes individuals who have contributed to the SIR Foundation annual fund the past three consecutive years.

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Janette D. Durham, MD, MBA, FSIR
Steven B. Epstein, MD*
Gregg M. Gaylord, MD, FSIR*
Mark John Girard, MD, MBA*
Colleen P. Harker, MD*
Maryann F. Heimrath
William A. Jackson, MD*
William Thomas Jacoby, MD*
Ravi J. Jhaveri, MD
John A. Kaufman, MD, FSIR
Frederick S. Keller, MD, FSIR
Katharine L. Krol, MD, FSIR*
Peter B. Lauer, CAE*
P. Wes Lewis, MD*
Donald R. Logan, MD*
Kenneth E. Lynch, MD*
George D. Lyons, MD
Timothy P. Maroney, MD*
James F. McGuckin, Jr., MD
Gordon McLennan, MD*
Robert J. Min, MD*
Timothy P. Murphy, MD, FSIR*
Rodney D. Raabe, MD, FSIR
David H. Ring, MD*
Francis X. Roche, MD
Melvin Rosenblatt, MD
John H. Rundback, MD, FSIR
David Sacks, MD, FSIR*
Shaun L. Samuels, MD*
Michael C. Soulen, MD, FSIR
James B. Spies, MD, FSIR*
Bradley T. Strnad, MD*
Clayton K. Trimmer, DO*
Arthur C. Waltman, MD, FSIR*
Bret N. Wiechmann, MD*

Milestones $500 - $999
Sanford D. Altman, MD*
Steven M. Amberson, MD, FSIR*
Anonymous
Stephen G. Babel, MD
Curtis W. Bakal, MD, MPH, FSIR*
Filip Banovac, MD
Peter T. Beatty, MD, FSIR*

Davender Bhardwaj, MD*
Carl M. Black, MD*
J. Scott Bowen, MD*
Stuart E. Braverman, MD
Michael C. Brunner, MD, FSIR*
Ajay Choudhri, MD*
Steven J. Citron, MD*
Timothy W. Clark, MD, FSIR*
Alan M. Cohen, MD, FSIR*
Yariv Cohen, MD
Glenn C. Cook, MD
Constantin Cope, MD, FSIR*
Harry R. Cramer, Jr., MD*
David J. Eschelman, MD
Thomas J. Figler, MD
John D. Fulco, MD, FSIR*
Charles J. Fulp, Jr., MD*
Michael S. Girard, MD*
Daniel H. Golwyn, Jr., MD
Maria R. Gomes, MD
Roger L. Gonda, Jr., MD*
Arturo D. Gonzalez, MD*
Murray J. Gordon, MD
Douglas A. Hadley, MD
D. Daniel Hassell, MD
Anthony N. Heim, MD
Marshall Hicks, MD, FSIR
Robert A. Hieb, MD*
Jeffrey Scott Hilger, MD*
Charles F. Hobby, MD*
Michael M. Hummel, MD
David W. Hunter, MD, FSIR*
Eric A. Hyson, MD*
Jacqueline P. Jahnke, MD*
Gregory C. Karnaze, MD*
Stephen B. Kelminson, MD*
Gary S. Kramer, MD*
Daniel E. Lucas, MD*
Lindsay Machan, MD, FSIR
Alan H. Matsumoto, MD, FSIR*
E. Bruce McIlff, MD*
Gordon K. McLean, MD, FSIR*
Michael D. Montgomery, MD*
Jeffrey S. Moulton, MD
Charles W. Nutter, DO
Gregory James Ostrowski, DO
Arash M. Padidar, MD
Sanjiv R. Parikh, MD
William S. Rilling, MD, FSIR
Josef Rosch, MD, FSIR
John G. Santilli, MD
Mark S. Schechter, MD
Sadashiv S. Shenoy, MD, FACR, FSIR*
Coralli R. So, MD*
Thomas A. Sos, MD, FSIR
Cande L. Sridhar, MD*
Timothy L. Swan, MD*
Frank C. Taylor, MD, FSIR
Thomas N. Thompson, MD, PhD
John C. Tonkin, MD*
Babu R. Vemuri, MD*
Niksavlasic, MD*
Domingo W. Widlus, MD*
Philip M. Wilkenhain, MD
Matthew B. Wilson, MD
Myron M. Wojtowycz, MD, FSIR

Innovators $250-$499

Philip A. Adler, MD*
Osarugue A. Aikeyan, MD
C. V. Alexander, Jr., MD*
Suresh Amble, MD*
Robert J. Ashenburg, MD*
Dawn E. Baker, MD
Zubin N. Balsara, MD
Vipin Bansal, MD
Locke W. Barber, DO*
Merle H. Barth, MD*
Gary J. Becker, MD, FSIR*
Leonard F. Berliner, MD*
Delfin Bernal, MD
Robert E. Binek, MD
Brian J. Bruening, MD
Charles T. Burke, MD*
Scott P. Burstein, MD*
Ross A. Christensen, MD
Henry A. ClaritO, MD*
Gregor G. Cleveland, MD, PhD*
Timothy P. Close, MD*
Troy T. Coleman, MD*
William B. Crenshaw, MD*
Michael D. Darcy, MD, FSIR
Andrew Davis, MD*
Dennis DeJesus, MD*
Donald F. Denny, Jr., MD, FSIR*
Christian Dewald, MD
Bradley W. Dick, MD*
William J. Ditman, MD*
Robert G. Dixon, MD
Richard Lee Dobben, MD*
Douglas M. Dunco, MD
Kevin M. Duwe, MD
Terril Alexander Efird, MD
Karen O. Ehrman, MD, FSIR
Gustav R. Eles, DO
Rodney S. Florek, MD*
John E. Foster, MD*
Marc L. Friedman, MD
Mark J. Garcia, MD, FSIR*
S. Nahum Goldberg, MD
Monte E. Golditch, MD*
Justin M. Gooding, MD*
Sebou A. Gueyikian, MD
Richard A. Haas, MD*
Lee Haikal, MD
Lee D. Hall, MD*
Herbert E. Hamilton, MD*
Noel C. Haskins, MD*
David A. Henry, MD
Brent D. Herbel, MD*
Robert C. Hewes, MD
Samuel C. Hill, MD
Kevin S. Hirsch, MD
John W. Ho, MD
Stephen L. Hofkin, MD
John L. Howard, MD*
Eric A. Huetrl, MD*
Jeffrey E. Hull, MD*
Keith M. Hume, MA*
John T. Johnston, MD*
Allen E. Joseph, MD
Sheicie C. Josephs, MD
Chandra S. Katragadda, MD*
Mark W. Keenan, MD*
Thomas B. Kinney, MD, MSME, FSIR
Arnold J. Klein, MD
Ravi P. Kodali, MD*
Christopher M. Kowalski, MD*
Paul A. Larson, MD
Vincent Lattari, MD
Noam Littman, MD
Margaret Alma Lynch-Nyhan, MD
Shekher Maddineni, MD
David J. Magee, MD*
Dr. Patrick and Mrs. Diane Malloy
Joseph M. Marra, MD
Mylon W. Marshall, MD*
Charles E. Martin, Jr., MD*
Daillo J. Martinez, MD
Thomas E. Masterson, MD*
John G. McCue, MD*
David M. Medina, MD*
Christopher J. Mehall, MD
Richard N. Messersmith, MD
Bradley L. Miller, MD
John J. Molitor, Jr., MD*
John R. Mootz, MD
Demetrious K. Morros, MD*
Ravi Murthy, MD
Nobuo Nakagawa, MD*
Paul A. Nee, MD*
John M. Neil, MD
Kristin Maren Nelsen, MD
James A. Newcomb, MD*
Gordon W.T. Ng, MD*
Douglas B. Owens, MD
Rajesh I. Patel, MD*
David A. Phillips, MD, FSIR
Donald Ponec, MD, FSIR
Maurice Robert Poplausky, MD
Darren Postoak, MD*
Lee R. Radford, MD, FSIR
Krishnamurti Ramprasad, MD
Zachary Rattner, MD*
Suryakumar Reddy, MD*
Kenneth V. Robbins, MD*
Michael A. Rogoff, MD
William J. Roman, MD*
Michael S. Rosenberg, MD
Stephen B. Rupp, MD*
Joseph G. Rusnak, MD*
Eric J. Russell, MD, FACR, FSIR
Robert K.W. Ryu, MD*
Barry A. Sacks, MD, FSIR*
Shahzad Sadiq, MD, FACR
Mehran Salari, MD*
Mark D. Salerno, MD*
Robert B. Saltzman, MD*
Mark Jason Sands, MD*
Siram Satyanath, MD
Scott Savader, MD, FSIR*
Richard R. Saxon, MD, FSIR*
Himanshu Shah, MD, FSIR
Paula M. Sharkey, MD
Richard Shoefeld, MD, FSIR*
Keith M. Shonnard, MD
Leigh Shuman, MD
Suzanne M. Slonim, MD*
Gregory B. Smith, MD
Steven J. Smith, MD
Tony P. Smith, MD, FSIR
Mark J. Stallworth, MD*
Michael S. Stecker, MD
Jeffrey E. Stirling, MD*
John F. Stoll, MD
Brett L. Storm, MD
Kevin L. Sullivan, MD, FSIR
Charles S. Sutton, MD
Charles F. Tate, III, MD, FACR*
Manish K. Varma, MD
Robert M. Varnell, MD*
Chandrasekar Venugopal, MD*
Steven J. Wegert, MD*
Richard Welcome, MD*
Mark H. Wholey, MD, FSIR
Terrence D. Wilkin, MD
Robert L. Worthington-Kirsch, MD, FSIR*
Contributions were received between January 1, 2006, and December 31, 2006. Every effort has been made to ensure the accuracy of information listed. Please contact SIR Foundation regarding any corrections or omissions.
Financial Summary

This annual financial statement is for SIR Foundation’s fiscal year, which ended December 31, 2006*.

### Statement of Activities
For the year ended December 31, 2006

<table>
<thead>
<tr>
<th>Support and Revenue</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Contributions</td>
<td>$877,402</td>
</tr>
<tr>
<td>Investment income (net of fees)</td>
<td>133,401</td>
</tr>
<tr>
<td>Registration fees</td>
<td>45,419</td>
</tr>
<tr>
<td>Other income</td>
<td>27,651</td>
</tr>
<tr>
<td><strong>Total Revenue, Gains and Other Support</strong></td>
<td><strong>$1,083,873</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Expenses</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Program services</strong></td>
<td></td>
</tr>
<tr>
<td>Grants</td>
<td>$215,995</td>
</tr>
<tr>
<td>CAIRR</td>
<td>196,755</td>
</tr>
<tr>
<td>Legs For Life®</td>
<td>129,673</td>
</tr>
<tr>
<td>FIBROID Registry</td>
<td>123,001</td>
</tr>
<tr>
<td>Communication</td>
<td>71,956</td>
</tr>
<tr>
<td>Research conferences/Emerging areas</td>
<td>32,190</td>
</tr>
<tr>
<td>Awards</td>
<td>13,431</td>
</tr>
<tr>
<td><strong>Total Program Expenses</strong></td>
<td><strong>$783,001</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Supporting services</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fundraising</td>
<td>$189,228</td>
</tr>
<tr>
<td>General and administrative</td>
<td>74,120</td>
</tr>
<tr>
<td><strong>Total Supporting Services</strong></td>
<td><strong>$263,348</strong></td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td><strong>$1,046,349</strong></td>
</tr>
</tbody>
</table>

### Statement of Financial Position
As of December 31, 2006

<table>
<thead>
<tr>
<th>Assets</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash &amp; equivalents</td>
<td>$406,068</td>
</tr>
<tr>
<td>Accounts receivable</td>
<td>331,576</td>
</tr>
<tr>
<td>Investments</td>
<td>3,153,631</td>
</tr>
<tr>
<td>Prepaid expenses</td>
<td>360</td>
</tr>
<tr>
<td><strong>Total Assets</strong></td>
<td><strong>$3,891,635</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Liabilities</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Grants payable</td>
<td>$230,955</td>
</tr>
<tr>
<td>Accounts payable</td>
<td>1,838</td>
</tr>
<tr>
<td><strong>Total Liabilities</strong></td>
<td><strong>$232,793</strong></td>
</tr>
<tr>
<td><strong>Total Net Assets</strong></td>
<td><strong>$3,658,842</strong></td>
</tr>
</tbody>
</table>

| Total Liabilities and Net Assets                 | **$3,891,635** |

<table>
<thead>
<tr>
<th>Change in Net Assets</th>
<th><strong>$18,925</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Net Assets, beginning of year</td>
<td><strong>$3,639,917</strong></td>
</tr>
<tr>
<td>Net Assets, end of year</td>
<td><strong>$3,658,842</strong></td>
</tr>
</tbody>
</table>

*Represents the unaudited financials for SIR Foundation.
SIR Foundation is a 501(c)3 nonprofit organization that relies on donations from individuals, radiology-related businesses and private foundations. Ongoing support of SIR Foundation ensures our ability to pursue the latest innovations in the field of interventional radiology to improve patient care.

Join us in exploring the future of interventional radiology today. Contributions can be made by credit card by calling (703) 460-5577; by check payable to SIR Foundation; or by transferring appreciated securities such as stocks, bonds, or mutual funds. For additional information about making a gift, please call (703) 460-5577 or visit the “Make a Donation” page at www.SIRFoundation.org.