

Celebrating 25 Years of Funding Radiology's Future

# The Foundation keeps looking forward with the Silver Anniversary Campaign

THIS YEAR, the RSINA Research & Education Foundation will do something that its founders could not have even imagined—celebrate its 25th anniversary with a successful multimillion dollar campaign. Just over \$15 million has been raised, and with your continued support this number will continue to grow. Donations made now until December 3 I st will benefit the Silver Anniversary Campaign.

When RSNA decided to create the then-named R&E Fund a quartercentury ago, they were driven by declining federal resources for funding and critical need to keep radiology at the forefront of medical imaging. Today, those founders are commended for their prescience as the R&E Foundation has become a preeminent source of seminal funding for young investigators. "I don't think you can question the influence the Foundation has had on shaping the specialty," said Luther W. Brady, Jr. M.D., a Silver Anniversary Campaign co-chair. "Research supported 20 years ago is now in everyday clinical practice."

Over the past 25 years, the R&E Foundation has awarded more than \$29 million in grant funding to more than 750 investigators and educators. R&E Foundation grants have helped start the careers of dozens of department chairs and thought leaders in radiology. The building blocks grant recipients create become the stepping stones for future research and, eventually, improvements to CONTINUED ON PAGE 2





# **CELEBRATING 25 YEARS**-CONTINUED FROM PAGE 1

clinical practice and patient care. In 2009, the Foundation is alloting 60 grant awards totaling over \$1.6 million.

With constant change occurring in the field and new developments evolving, the need for continued research is even greater. Leaders at the R&E Foundation decided to celebrate how far the Foundation has come over the past 25 years by ensuring the availability of grant funding for decades to come. "Radiologists need to take responsibility for the continued success of radiology," said William G. Bradley Jr., M.D., Ph.D., a Silver Anniversary Campaign co-chair. "If no one supports these researchers, we won't be able to perform the research and we will lose the field." The Silver Anniversary Campaign was kicked off at RSNA 2005 with a goal of raising \$15 million to support additional grant awards in the radiologic sciences.

Over the past five years, thousands of individuals, private practices and industry partners have stepped forward to show their support for the R&E Foundation. With a group of 49 Campaign Pacesetters leading the way, RSNA members and friends have set new records of giving with contributions and pledges totaling more than \$7 million. About ten percent of RSNA membership has supported the campaign on an annual basis and increased donations have brought in over \$1 million per year for the past three years of the campaign.

Private practices have also supported the campaign, noting the critical link between academic research and clinical practice. "Not a day goes by that radiologists in our practice are

not using imaging techniques that have been developed through supported research," said William T. Thorwarth, Jr. M.D., a Trustee of the R&E Foundation and member of the Silver Anniversary Campaign Committee. His practice, Catawba Radiological Associates, was one of the first to donate to the Visionaries in Practice

program, which recognizes private practices and academic departments that support the Foundation. Since the program started at the beginning of the campaign, more than 20 other groups have joined, donating a total of more than \$1 million to the campaign.

The final component of support for the Silver Anniversary Campaign has been dozens of companies in the medical imaging industry. Through multiyear named grant endowments and annual gifts, corporate support has played an essential role in the R&E Foundation's ability to provide grant funding. Many of the Foundation's Vanguard companies that were instrumental in jump-starting the Foundation's fundraising activities decades ago are still supportive today to ensure that fundamental research continues. "I grew up in an environment that believed supporting research and education efforts of RSNA was an extremely productive and worthy investment," said Jack Price, chair of the R&E



The Silver Anniversary Campaign Launch in 2005

Foundation Board of Trustees. As CEO of Philips Medical Systems North America in the 1990s, Mr. Price increased Philips' support of grant funding because he saw the importance of industry's support of academia and the return on investment it could foster. "RSNA has done a beautiful job of knowing exactly where to apply funding to achieve maximum value."

When the campaign comes to a close at the end of 2009, the RSNA R&E Foundation will find itself in an enviable position—able to provide critical grant funding for deserving researchers and educators, and surrounded by a community that supports its mission. But, just as one conclusion does not bring scientific discovery to a close, the success of the Silver Anniversary Campaign does not bring an end to the need for grant funding. Please continue your support at *RSNA.org/Donate*.

# Support the Future of Radiology... Join A Donor Recognition Program Today!

# INDIVIDUAL GIVING PROGRAMS

Our individual donors are recognized for their support throughout the year in many different ways. Some program benefits include recognition in *RSNA News*, acknowledgement at the RSNA annual meeting, an invitation to the Distinguished Donor Reception, listing in RSNA publications and more.



Donor Lounge at RSNA 2008

Annual Donors: General annual donors who contribute \$1-\$1,499 in a year.

RSNA Presidents Circle Program: Two levels for donors who give \$2,500 or \$1,500 annually.

**Visionary Donor Program:** Nine levels of recognition for donors whose cumulative donations (over several years) reach \$5,000+.

**Campaign Pacesetters:** Individuals who have committed to donate \$25,000 or more to Silver Anniversary Campaign.

**Legacy Program:** Nine levels of recognition for donors who wish to leave a planned gift that will benefit the future of radiology.



Brian T. Collins, M.D., is an attending radiation oncologist and assistant professor in the Department of Radiation Medicine at Georgetown University Hospital.

# Interview with Brian T. Collins, M.D.

# R&E Grant Recipient, Presidents Circle & Bronze Visionary Donor

**R&E:** How did your 1998 Research Resident Grant titled *Identification of Radiation Resistant Genes in Human Prostate Cancer Cells* impact your career?

BC: The RSNA grant I received allowed me to dedicate one year of my residency to research. I am now an academic radiation oncologist, aware of the opportunities and obstacles to completing research. I am currently spending the majority of my time completing clinical research work. I have plans to initiate more ambitious translational research in the near future. This would not be possible without the RSNA grant experience I had as a resident.

**R&E:** What are your areas of focus?

**BC:** Currently, I am in the processes of developing convenient, safe and effective CyberKnife radiosurgery treatment protocols for elderly patients with early stage prostate, lung and breast cancer.

**R&E:** You recently became a Bronze Visionary donor, why did you decide to give back to the RSNA Research & Education Foundation?

BC: I am very fortunate to be an academic radiation oncologist. I look forward to going to work each day. However, research funding has been limited of late—it was time to give back.

# NEWS

## 2010 Grant Applications:

Do you know a bright young investigator who would be interested in RSNA R&E grant programs? The online grant application system opens this October. For more information, go to *RSNA.org/Foundation* or contact Scott Walter at 1-630-571-7816 or *swalter@rsna.org*.

#### **Application deadlines:**

- Research Grants: January 15
- Education Grants: January 10
- Medical Student Grants: February 1
   \*Starting in the 2010 grant cycle all applicants must be RSNA members

# Interactive Recognition:

Stop by the R&E Pavilion (Lakeside Center) at RSNA 2009 to see our new interactive digital recognition displays. Look up donors and grant recipients with the touch of a button.

# Looking for the 50th Pacesetter:

49 Pacesetters have stepped forward committing pledges of \$25,000 and more in honor



of the Silver Anniversary Campaign. Their donations will endow a special Pacesetter Research Fellow Grant. We are looking for 50th donor to join this dynamic group. A complete listing of Pacesetters can be found on page 5. For more information on becoming a Pacesetter, contact Robert Leigh at 1-630-590-7760 or *rleigh@rsna.org*.

#### **Donor Lounge:**

Donors who have contributed \$250 or more this year to the Silver Anniversary Campaign will receive a donor ribbon, which gives them access to the Donor Lounge at RSNA 2009. At the Donor Lounge, located in the Lakeside Center, donors can enjoy complimentary coffee, light snacks, Internet access and a place to sit and relax during the meeting. Donations can be made prior to the meeting at *RSNA.org/donate* or onsite at the R&E Donor Pavilion.

#### Arie Crown R&E Presentation at RSNA 2009:

Be sure to attend the Image Interpretation Session on Sunday, November 29 at 4:00 p.m. A special presentation will take place highlighting the RSNA R&E Foundation's accomplishments over the past 25 years.

# PRIVATE PRACTICE & ACADEMIC GROUP PROGRAM

Demonstrate that yours is a "Visionary Practice" by supporting the VIP Program today. Participating in the VIP Program not only helps build your practice and advances the field of radiology, more importantly it also benefits your patients. Benefits include priority job listings, recognition during the RSNA annual meeting and a recognition plaque.

Visionary in Practice (VIP) Program: There are four levels of annual giving starting at \$10,000 enabling practice groups of all sizes to support research and education.

# CORPORATE GIVING PROGRAMS

Our corporate partners have been critical to the growth of the Foundation and its grant programs since 1984. Corporate partners are recognized at the annual meeting and throughout the year for their contributions.

**Exhibitors Circle:** An opportunity for companies to give to the Foundation on an annual, non-endowed basis starting at \$1,500 up to \$10,000. Benefits vary by four levels and include complimentary signage, a pre-registration mailing and recognition throughout the year and at the RSNA annual meeting.

**Vanguard Program:** Designed for corporations, support a named grant through an endowment or a one-time donation. Vanguard companies receive recognition for their contribution throughout the endowment period in RSNA publications, on the Foundation's Web site and during the RSNA annual meeting.

To learn the benefits of donating, visit RSNA.org/Foundation

# A New Commitment from a Long Time Supporter

# Hitachi Endows a Research Seed Grant

FOR 10 YEARS HITACHI MEDICAL CORPORATION has been a Vanguard supporter of the RSNA Research & Education Foundation. This year,

Hitachi has made a new commitment of \$300,000 to endow a Research Seed Grant. "Hitachi Medical Systems is pleased to further our support in funding of RSNA R&E Foundation activities toward the



Hitachi Medical Systems

advancement of medical imaging," said Sheldon Schaffer, vice-president and general manager of MR/CT products at Hitachi.

Hitachi Medical Corporation is a full-line supplier of medical imaging equipment. Their commitment to providing advanced diagnostic imaging products that meet the needs of physicians and patients is what makes Hitachi an industry leader. Hitachi's corporate social

> responsibility directs its efforts toward contributions to society, environmental activities and research and development.

Sixty grants will be funded this year from the support of our individual and corporate

donors like Hitachi. Lewis Shin, M.D., from Stanford University has been selected to receive this year's Hitachi Medical Systems/RSNA Research Seed Grant for his project, *Real-Time MRI Evaluation of the Upper Airway in Patients with Obstructive Sleep Apnea with EEG Correlation.* "These activities are extremely important towards advancing the future of radiology, as emerging researchers and educators and the medical imaging community collectively seek out new technologies and their applications toward ever better, comprehensive and efficient solutions for the diagnosis and treatment of disease" said Mr. Schaffer.

The Foundation would like to thank all of its corporate partners in the Vanguard and Exhibitors Circle Programs for their support and donations which have contributed to the success of the Silver Anniversary Campaign.

Be sure to look for Lewis Shin, M.D., this year's Hitachi Medical Systems/RSNA Research Seed Grant recipient, presenting an education exhibit at RSNA 2009.

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# Behind the Scenes of the R&E Foundation: A closer look at the Public Relations Committee

IN OUR LAST ISSUE, WE shared with you details of how our grants are selected as we broke down details of our Grant Program Committee and its subcommittees. Today, we will take a closer look at how we promote messaging from



A public relations article in the RSNA News

the Foundation to members, grant recipients and institutions with the guidance of the Public Relations Committee. The Public Relations Committee oversees the different aspects of promotion and awareness of the Foundation. The committee includes appointed members at-large, the Foundation Contributing Editor to RSNA News and

I'd Like to Learn More!

# Campaign the chair of the RSNA Public Information Committee.

# Public Relations Committee Specific Duties:

• Development and recommendation of public relations activities for the Foundation including articles for RSNA News

and other materials to promote R&E programs.

- Creating awareness and encouraging publication of grant recipient "success stories."
- Strategizing the promotion of the Foundation prior to and during the RSNA annual meeting.



The R&E Foundation depends on the expertise and support of dozens of volunteers who serve in various capacities from grant review to fundraising to evaluation of programs. Interested in volunteering on a committee? For more information contact Susan Thomas, Assistant Director, Governance and Administration at 1-630-571-7810 or *sthomas@rsna.org*.

# 25 YEARS OF BUILDING A STRONG FOUNDATION

# PART VI. The Late 90s to Today

By the mid-nineties, the research grant programs were in place, and emphasis was put on developing programs to increase funding. With the creation of new donor programs, came the creation of new grants geared toward education. The field of radiology had dramatically changed in the 20-years since the Fund was created. Keeping up with the times, in 2005 the Foundation established a protocol for a more diverse representation on its Board of Trustees enabling varied perspectives and input from all areas of expertise. This same year the R&E Foundation launched a Silver Anniversary Campaign, with the goal of raising \$15 million by 2009.

Today, the Foundation celebrates its achievements over the past 25 years with a successful campaign that will keep radiology strong for future generations to come.



# Thank you!

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# Silver Anniversary Campaign Pacesetters

Teresita L. Angtuaco, M.D. & Edgardo J. Angtuaco, M.D. William M. Angus, M.D., Ph.D. Anne C. Roberts, M.D. & John E. Arnold, M.D. Nancy & John AufderHeide, M.D. Patricia G. Becker, M.D. & Garyl J. Becker, M.D. Paul E. Berger, M.D. Phyllis & Leonard Berlin, M.D. Maysoon & Talal Beydoun, M.D. Rosalind B. Dietrich, M.D. & William G. Bradley, Jr., M.D., Ph.D. Luther W. Brady, Jr., M.D. Jean & R. Nick Bryan, M.D., Ph.D. Mary & Richard E. Buenger, M.D. Nancy J. & Robert E. Campbell, M.D. Helen & Paul J. Chang, M.D. Marian U. & Melvin E. Clouse, M.D. Alice & Ernest J. Ferris, M.D. Cynthia & Leonard M. Glassman, M.D. Gittelle & Richard H. Gold, M.D. Peggy J. Fritzsche, M.D. & Anton N. Hasso, M.D. Betty & O. Wayne Houser, M.D. Beverly & Michael Huckman Dorothy & Frank L. Hussey, Jr., M.D. Tiffany & Phan T. Huynh, M.D. Valerie P. Jackson, M.D.

Bonnie Barnett & Robert L. Kagan, M.D. Marten Klop Lilian Leong, M.D. & C.H. Leong, M.D. Louise & Richard G. Lester, M.D. Solveig & Seymour H. Levitt, M.D. Ada & Hector T.G. Ma, M.D. Hedvig Hricak, M.D., Ph.D., Dr. h.c. & Alexander Margulis, M.D., D.Sc., Dr. h.c. Doug & Mary Anne Maynard Tom McCausland Theresa C. McLoud. M.D. Paul & Laureen Mirabella Barbara Carter, M.D. & Jeffery Moore, M.D. Judy S. & C. Leon Partain, M.D., Ph.D. Carol M. & Henry P. Pendergrass, M.D. Barbara & Jerry P. Petasnick, M.D. Anne G. Osborn, M.D. & Ronald Poelman Marilyn & Jack E. Price Sherry & Michael Raskin, M.D., M.P.H., J.D. Anne G. & Walter L. Robb, Ph.D. Marilyn & Ronald B. Schilling, Ph.D. Sandy & Aslam R. Siddiqui, M.D. Marilyn J. Siegel, M.D. & Barry A. Siegel, M.D. Ingrid E. & Stephen R. Thomas, Ph.D. Mary & Allen F. Turcke, M.D. Edith Ann & Carl J. Zylak, M.D.

The RSNA R&E Foundation would like to thank this special group of individuals who set the pace by committing to gifts of \$25,000 or more to support the Silver Anniversary Campaign.

RSNA.org/Campaign

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A glimpse at just one of the many promising projects made possible by your support. A complete listing of grant projects can be found at RSNA.org/Foundation.



# THANK YOU, **R&E** FOUNDATION **DONORS!**

I would like to thank the RSNA for providing me with an RSNA research grant. Funding by the RSNA Seed Grant allowed me to perform independent funded research in molecular imaging within the field of Radiology at Stanford University, and the preliminary data acquired through the help of this grant largely facilitated my applications for additional funding. This will help me continue my experiments in this area of research. In my opinion, the RSNA Seed Grant is an excellent source of funding for new PIs on their path to becoming independent researchers.

Jüergen K. Willmann, M.D.



Bayer HealthCare Pharmaceuticals

2008–2009 Bayer HealthCare Pharmaceuticals/RSNA Research Seed Grant

Title: "Development and validation of a multi-targeted contrast agent for contrastenhanced ultrasound imaging of tumor angiogenesis in early-stage pancreatic cancer"

# **Final Report Highlights**

# **Summary:**

The goal of this research project was to establish an ultrasound imaging approach for detection of pancreatic cancer at an early stage by visualizing tumor angiogenic vessels. Multi-targeted contrast microbubbles were designed by conjugating monoclonal antibodies onto the surface of gas-containing, lipid-shelled ultrasound contrast microbubbles. In this research project we used antibodies targeted to three different markers of tumor angiogenesis: antibodies against vascular endothelial growth factor receptor type 2 (VEGFR2); αvß3 integrin; and Endoglin, a transmembrane glycoprotein. We hypothesized that targeting multiple markers of tumor angiogenesis can lead to an increase in microbubble attachment to tumor vessels and, thus, can improve ultrasonic detection of tumor angiogenesis in early-stage pancreatic cancer.

Specific Aim 1: We tested the hypothesis that multi-targeted microbubbles can be developed for detection of tumor angiogenesis and that these multi-targeted microbubbles have a higher binding affinity to tumor endothelial cells than single-targeted microbubbles.

Specific Aim 2: We tested the hypothesis that contrast-enhanced ultrasound imaging using multi-targeted microbubbles allows reproducible detection of tumor angiogenesis with higher sensitivity than single-targeted microbubbles in a subcutaneous pancreatic cancer xenograft model in living mice.

# The Clinical Significance and Future Impact of the Results:

A multi-targeted imaging approach may be advantageous if ultrasound is being integrated into a cancer screening imaging approach in future clinical trials. Detection of cancer at earlier, more curable stage may have a major clinical impact in the future and we hope that our novel imaging approach will allow radiologists to make cancer diagnosis much earlier than is possible with current imaging strategies.

# **Additional Funding:**

We have been awarded several additional grants using preliminary results from this seed grant, including:

- NIH/NCI R21 exploratory grant
- Howard S. Stern Research Grant of the Society of Gastrointestinal Radiologists
- Research Grant of the National Pancreas Foundation

More of Dr. Willmann's work can be seen during RSNA 2009 at the following Scientific Paper presentations:

November 30th at 3:20 p.m., Room S504CD November 30th at 3:40 p.m., Room S504CD December 1st at 11:20 a.m., Room S504CD

# Because of Your Support, 60 Researchers and Educators Recieved Grants This Year

This is a glimpse of the projects your donations are funding. See the entire list at RSNA.org/Foundation.

# Abraham Dachman, M.D.

RSNA Education Seed Grant Radiology, The University of Chicago Training Tool For Colonic Insufflation and Scanning in Virtual Colonoscopy

## David Yousem, M.D.

Philips Healthcare/RSNA Education Scholar Grant Russell H. Morgan Dept. of Radiology and Radiological Science, Johns Hopkins University Developing a Curriculum for Teaching the Business of Radiology

#### Hersh Chandarana, M.D.

Toshiba America Medical Systems/RSNA Research Seed Grant

Radiology, New York University School of Medicine Quantification of tumor angiogenesis using diffusion and perfusion weighted MR derived parameters correlated with vascular endothelial growth factor (VEGF) expression and microvessel density in renal cell carcinoma

#### Arta Monjazeb, M.D., Ph.D.

Philips Healthcare/RSNA Research Resident Grant Radiation Oncology, Wake Forest University Health Sciences

Mechanism of Anti-tumor Immunity Induced by Radiotherapy and Irradiated Autologous Tumor Vaccination

## Rebecca Hartman, B.A.

RSNA Research Medical Student Grant Radiology, University of Pennsylvania Cost-Effectiveness Analysis of Radiofrequency Ablation Therapy for Renal Cell Carcinoma using a Natural History Simulation Model

### Srikar Rao, B.A.

RSNA Research Medical Student Grant Radiology, Mount Sinai School of Medicine Surveillence with FDG PET/CT vs conventional follow up algorithm and CT: Impact on management and survival

# Waleed Brinjikji, B.S.

RSNA Research Medical Student Grant Radiology, Mayo Clinic Improving Specificity and Sensitivity of a Computer-Aided Detection Algorithm for Intracranial Aneurysms

## Kristina Hoot, Ph.D.

Canon U.S.A./RSNA Research Medical Student Grant

Radiation Oncology, Oregon Health & Science University

Efficacy of Targeted Molecular Therapies Combined with Irradiation on Skin Squamous Cell Carcinomas

# Cristian Coroian, B.S.

Fujifilm Medical Systems/RSNA Research Medical Student Grant

Radiology, University of California Los Angeles David Geffen School of Medicine Retrospective Review of Extra Hippocampal White Matter Abnormality in the Patients with Hippocampal Sclerosis, using Diffusion Tensor Imag-

pocampal Sclerosis, using Diffusion Tensor Imaging: Three Automated Post-Processing Methods

## Steve Cho, M.D.

Bracco Diagnostics/RSNA Research Scholar Grant Radiology, Johns Hopkins University School of Medicine

Prostate Specific Membrane Antigen (PSMA) PET Imaging for Detection of Metastatic Prostate Cancer and Solid Tumor Neovasculature

# Jacob Brown, B.A.

RSNA Research Medical Student Grant Radiology, Georgetown University/NIH MD/PhD Partnership Program Evaluation of the coagulation state in relation to transarterial chemoembolization for hepatocellular carcinoma

## Reza Forghani, M.D., Ph.D.

RSNA Research Fellow Grant Radiology (Molecular Imaging Research, Systems Biology), Massachusetts General Hospital Molecular imaging of the inflammatory enzyme myeloperoxidase in murine cerebral ischemia

## Kenneth Wang, M.D., Ph.D.

RSNA Fellowship Training Grant Radiology, Johns Hopkins Medical Institutions Combined fellowship training in musculoskeletal radiology and imaging informatics

## Mandie Street, RT (R) (MR)

RSNA, AUR, APDR, SCARD Radiology Education Research Development Grant Radiology, Washington University Using Six Sigma Techniques to Reduce Radiation Dose

# Visit us at RSNA 2009

# Make a donation, see the donor wall, relax and check e-mail, or enjoy a cup of coffee









RSNA R&E Donor Lounge, Lakeside Center, Level 3

RSNA 820 Jorie Blvd. Oak Brook, IL 60523-2251

1-630-571-2670 1-630-571-7837 Fax R&EFoundation@rsna.org

# 1984 - 2009

# The R&E Foundation Celebrates 25 Years

and keeps looking forward with the Silver Anniversary Campaign

8 Foundation Focus

# RSNA Research & Education Foundation

# A Gratifying Feeling

# Presidents Circle Donors support research that will help understand disease and improve patient lives

DR. EDWIN J.R. VAN BEEK ATTENDED HIGH SCHOOL IN THE NETHERLANDS and decided to travel to the States and attend a one year program at Coe College in Cedar Rapids. There he studied general sciences, including chemistry, mathematics and physics. Dr. van Beek returned to The Netherlands to receive his medical degree from Erasmus University Medical School and his Ph.D. on the topic of pulmonary embolism from the University of Amsterdam. Dr. van Beek also holds a masters degree in Education from the University of Sheffield.

Years later he returned to the Midwest, were he now resides with his wife Miriam and their two children. Dr. van Beek is a professor of radiology, medicine and biomedical engineering at the University of Iowa. "I love to teach. Working with young people, helping them build careers in academics is very rewarding," said Dr. van Beek.

Ongoing learning and research plays a large role in Dr. van Beek's career. Several areas of his current focus include functional lung imaging, CT, proton MRI, hyperpolarized 3-Helium MRI and other novel technologies, lung cancer imaging and cardiac imaging using multiple modalities. Another project close to heart is working on diagnostic management of cystic fibrosis and other young lung patients while reducing radiation.

Dr. van Beek has been a longtime member of RSNA and feels strongly about supporting grants for young investigators through the



Miriam D. and Edwin J.R. van Beek, M.D., Ph.D.

R&E Foundation. "Radiology seems to be the underdog in many research projects. It is often the first element to be excluded and later added when the need is realized," said Dr. van Beek. "We give to the RSNA R&E Foundation to support the young, bright and dedicated men and women who will ultimately carry the torch for our specialty and who will be so vitally important to understanding disease and helping improve patient lives," said Dr. van Beek and his wife Miriam who are Presidents Circle donors.

Continuing his journey in radiology, Dr. van Beek will be taking on a new position this winter as the Chair of Medical Imaging at The University of Edinburgh, United Kingdom. There, he will be working with the Scottish Imaging Network: A Platform for Scientific Excellence (SINAPSE), a consortium of six Scottish universities. Dr. van Beek will be conducting clinical research and population-based studies involving more than five million people. While in Scotland, Dr. van Beek will contine collaboration and work in the USA both for academic and business reasons.