Hello and welcome to my first contribution to the newsletter. I am deeply honored and privileged to serve as the Krabbenhoft Chair of our Department. When I was visiting the department last year as a candidate for this position, I saw many unique strengths: a strong sense of mission for providing the best health care to the sickest patients from all over the state of Iowa and beyond, a commitment to education, some amazing research programs, and strong and unified leadership of the medical school and the hospital. In addition, I saw a faculty and staff with a great deal of mutual respect and affection – this is a special place. The last 8 months here in Iowa City have only served to give me a deeper appreciation of these qualities. It is great to be here!

One person that I would like to single out for their commitment and service is Joan Maley. Joan lead the department very effectively these past few years. She continues to be a great advocate for the department and everyone in it. I am leaning on her heavily for her insight and common sense. These are exciting times for the department. This newsletter includes several stories of many of these accomplishments and I will not repeat them here. Instead, I am going to use this space to identify some of the hopes and plans we have for the next few years.

The physical spaces of the department are changing. The new University of Iowa Stead Family Children’s Hospital will open its doors in 2017. We will open with a new MR and CT scanner, two ultrasound rooms, fluoros and radiography rooms and access to several procedure rooms. We plan to add a second 3.0 T MR within a year of opening. We are remodeling the MR facility in the basement of JCP for safety reasons (controlled access). This will lead to changes in almost everything except the scanners themselves: new reception and changing areas, reading rooms, break rooms. The physician offices will move upstairs. We will also create space for the new PET/ MR scanner. We will install a fourth interventional suite, dedicated to interventional neuroradiology, along the current IR corridor. This will displace some nuclear medicine rooms down the hall towards the old mammography area, much of which is currently being remodeled for a new corridor that cuts through the department to connect to the 3rd floor of the new Children’s hospital. We are working on a master plan to map out how to best configure the 3rd floor to serve our patient care, educational, and research missions as we accommodate these changes. The 3rd floor will start to look very different in the near future! We are expanding services at other locations too. The Breast Imaging service, under the leadership of Leonel Vasquez, is providing more comprehensive services at the Iowa River Landing (IRL). Plans are underway for IRL 2, which will be dedicated to orthopedics. Our Musculoskeletal faculty will relocate there with them to continue to provide imaging services at the highest level.

The Iowa Institute of Biomedical Imaging occupies two floors of the Pappajohn Discovery Building. This facility includes human and animal imaging equipment and holds great potential for advancing medical imaging sciences here at Iowa and nationally. There are many very important projects underway there. I am serving as the Director of the Institute and Milan Sonka, PhD, as the Co-Director. We plan an official grand opening event this coming April. Stay tuned.

We have several faculty recruitments underway. One is for a Vice-Chair for Informatics. This person will help lead the effort to make the PACS and IT environment serve our patients, referring physicians and all of us within the department better. This builds on some very unique strengths we have here with our Radiology Engineering group under the leadership of Dave Owen. We are looking to add people to the Body Imaging, Nuclear Medicine, and Interventional Radiology sections as well.

The department continues to grow and thrive. I am very excited to be a part of it. I’m looking forward to meeting you all in the years to come. Please feel free to come and visit!
Integrated Diagnostic Radiology / Interventional Radiology Residency

The Accreditation Council for Graduate Medical Education (ACGME) has accredited the new integrated diagnostic radiology-interventional radiology (DR-IR) program for the Department of Radiology at the University of Iowa Hospitals and Clinics.

UIHC will start offering this program through the upcoming 2017 national resident match program (NRMP). This is a 6-year training program, 1 year of internship, 3 years of DR, 2 years or IR. Graduates of an IR residency qualify to take the DR-IR examination offered by the American Board of Radiology (ABR). The DR-IR certificate recognizes competency in both diagnostic radiology and interventional radiology. Certificate holders can practice both diagnostic radiology and interventional radiology.

Interventional radiologists possess the unique expertise in 3 areas that mark the domain of IR: diagnostic imaging, image-guided procedures, and patient care. The current training of IR physicians consists of a 1-year vascular and interventional radiology (VIR) fellowship after the 4-year DR residency. However, the diversity and sophistication of the IR procedures has expanded dramatically during the past 20 years, thus acquiring adequate technical expertise in a 1-year training period is difficult. More importantly, interventional radiologists are expected to perform inpatient consultation, run outpatient clinics, admit patients, and provide focused clinical care with longitudinal follow-up. To accommodate these evolutionary changes, ACGME has created the new residency which requires a minimum of two years training in IR, and will phase out the VIR fellowship in 2020. This new paradigm includes 3 pathways to become certified as an Interventional radiologist: integrated DR-IR, early specialization in interventional radiology (ESIR), and independent pathway. Medical students can apply to the integrated program through the NRMP. ESIR is designed for residents already matched into a DR residency program. The resident is required to do one year of IR rotation during the 4-year DR residency and then be matched to the same or different institution to finish an additional year of IR training. Our radiology program has been approved for the ESIR pathway. The Independent pathway is designed for residents that completed a DR residency without ESIR pathway and requires a 2-year residency in Interventional radiology. ACGME is not currently offering this pathway.

As Iowa’s only comprehensive academic medical center and regional referring center, UIHC provides the rich resources to train new IR residents. UIHC offers the full spectrum of IR service including interventional oncology, vascular, chest, musculoskeletal, gastro-intestinal, genito-urinary, pediatric intervention, women’s health and neuro intervention. Annually we perform more than 4000 procedures of the 34 categories ACGME required. The minimal ACGME requirement is 500 procedures per year for each IR resident. Importantly, the IR residency program has opened new avenues for further enhancing patient care, education and research at UIHC.

Vascular and Interventional Radiology Fellowship

In June of this year, the Department of Radiology also received ACGME accreditation for a 1-year Vascular and Interventional Radiology Fellowship.

The fellowship represents a solid clinical training opportunity with a strong emphasis on clinical care and procedural training, in a leading academic institution. The fellowship will prepare the trainee well for practice in either a private practice or academic setting. The University of Iowa Hospital and Clinic is a leading busy tertiary care hospital and a level-1 trauma center, an American Cancer Society center of excellence, and a
These are very exciting times in PET imaging. The number of patients we serve in the PET Center has been steadily increasing over the years, as PET/CT has taken a center stage in oncological imaging and is also being increasingly used in cardiac and neurological diagnosis. We have grown to a total of 3 PET/CT scanners in the campus, including 2 scanners in Radiology and 1 scanner in Radiation Oncology, with plans to install a PET/MRI unit in the near future. Our PET-only imaging system (soon to be replaced with a new state-of-the-art PET/CT) and our small animal micro PET/CT scanner are also busy with research studies.

The PET Center has an active research program in developing novel imaging agents for clinical cancer care. This allows us to offer imaging studies beyond the routine PET/CT scans with Fluorodeoxyglucose (FDG) that, despite its value in many cancers, is limited in slow growing tumors such as neuroendocrine tumors and prostate cancer. Our PET Center is one of the few centers in the United States that offers somatostatin receptor imaging in neuroendocrine tumors with Gallium-68 DOTATOC (Ga-68 DOTATOC), which is significantly more accurate than conventional imaging. Over the past three years, in 3 Ga-68 DOTATOC clinical trials, we have imaged more than 350 patients from all over the US and Canada. We are working on completing a New Drug Application (NDA) for Ga-68 DOTATOC with the United States Food and Drug Administration (FDA) so that the rest of the country will have access to this valuable radiopharmaceutical.

Another important recent initiative is investigational Ga-68 PSMA imaging for prostate cancer, for which more accurate imaging techniques are desperately needed. We have also recently obtained the laboratory equipment to develop a novel imaging method to evaluate chemokine receptor-4 (CXCR4) receptor status in tumors. This receptor is associated with tumor aggressiveness. We plan to initially test the CXCR4-targeted agent, Ga-68 Pentixafor, in multiple myeloma and high-grade neuroendocrine carcinoma.

Each of the radiopharmaceuticals mentioned above can also be used in targeted radiation therapy of tumors. This approach, recently termed “theranostics” involves the use of the imaging agent to image and measure the targeting of tumors with the radiopharmaceutical followed by administration of the therapeutic analog of the imaging drug for delivery of high dose radiation.

Finally we are also expanding in brain PET imaging with several research studies involving blood flow and amyloid imaging in dementia.

The exploding research in molecular imaging and theranostics is already having a significant impact on the clinical practice of PET and therapeutic nuclear medicine. There are certainly challenges but as a Department we are positioning ourselves to be at the forefront of molecular imaging and therapy in the US and the world.
We are very pleased to introduce Colin P. Derdeyn, MD, FACC, who stepped in as our new Chair and DEO of the Department of Radiology in 2016.

Dr. Derdeyn is focusing on recruiting and mentoring world-class faculty; developing clinical, research, and academic programs of excellence; and providing strong leadership across the UI Health Care enterprise. We look forward to his partnership with UI Health Care leaders in fostering clinical growth, improving clinical efficiency and service excellence, enhancing patient and staff satisfaction, developing research programs, and educating our medical students.

Prior to coming to Iowa, Dr. Derdeyn was Professor of Radiology, Neurology, and Neurosurgical Surgery, Director of the Stroke and Cerebrovascular Center, and Program Director for the Endovascular Surgical Neuroradiology Fellowship at Washington University School of Medicine, in St. Louis. He earned his undergraduate and medical degrees from the University of Virginia, and completed residencies in both general and neurological surgery at University of North Carolina Hospitals in Chapel Hill, N.C., and in radiology at the Mallinckrodt Institute of Radiology at Barnes Hospital and Washington University School of Medicine. He is a member of many national professional and scientific societies, including the Radiological Society of North America and the American Council on Graduate Medical Education. He also currently serves on the editorial boards of the American Journal of Neuroradiology and the journal Stroke. In the course of his career, he has been primary or coauthor on many papers and other publications, has received several prestigious awards, and has served on many review panels, all to further the field of neurological radiology.

Robert Harris, MD, MPH, joins the Abdominal Imaging Section. He hails most recently from the University of Rwanda, and before that at Dartmouth-Hitchcock Medical Center, where he was a faculty member for 28 years. His primary interest is in Diagnostic Ultrasound, and he has experience in teaching and research in OB-GYN ultrasound, as well as abdominal and superficial structures. He looks forward to being back at a large academic center in abdominal imaging, interpreting CT and MRI, and where ultrasound has an important role to play in the diagnostic workup, with the addition of clinical use of contrast agents and US-guided biopsies. His main interest in teaching and research is the practice of radiology in low resource countries, i.e. global radiology, where the emphasis is on plain films, ultrasound, and CT scanning.

T. Shawn Sato, MD, joined both the Pediatric Radiology and Neuroradiology Sections as Clinical Assistant Professor. He also assumed the role of Assistant Director of Medical Student Education in the Department of Radiology. Most recently, he completed fellowships in Pediatric Radiology and Neuroradiology from the University of Iowa Hospitals and Clinics, and during his training received several awards for teaching and research. Dr. Sato is keenly interested in areas related to the education and training of medical students and radiology residents, including simulation training skills, and has served on the Association of University Radiologists’ Radiology Research Alliance Task Force on Simulation in Radiology, as well as Data Sharing.
This year we welcomed our first group of students to match as Radiology interns.

**New Residents**

**Diagnostic Radiology Residents, L-R**
- Ambur Reddy, MBBS, Osmania Medical College ~ Jaclyn Keller, MD, University of Iowa Carver College of Medicine ~ Michelle Ouyang, MD, Wayne State University ~ Mitesh Patel, MD, University of Missouri-Kansas City School of Medicine ~ Justin Guan, MD, University of Iowa Carver College of Medicine ~ Jared Hodgson, MD, University of Kansas School of Medicine ~ Nour Aly, MD, University of Cincinnati College of Medicine ~ Abel Belay, MD, Chicago Medical School

**Nuclear Medicine Resident**
- Pankaj Watal, MBBS, Madras Medical College

**New Fellows**

- Mohammad Amarneh, MBBS, Residency: University of Iowa Hospitals & Clinics
- Manish Bajaj, MBBS, Residency: Rajasthan University RNT Med College
- Mark Crain, DO, Residency: Kansas City University of Medicine and Biosciences, College of Osteopathic Medicine
- Hussein Kekhia, MD, Residency: University of Iowa Hospitals & Clinics
- Elijah Trout, DO, Residency: Oakwood Southshore Medical Center
- Jason Mueller, MD, Residency: University of Iowa Hospitals & Clinics
- B. Lane McMahan, MD, Residency: Indiana University
- Derek Savells, MD, Residency: University of Iowa Hospitals & Clinics
- Joel Ziegelbein, MD, Residency: University of Iowa Hospitals & Clinics
- Tracy Marchant, DO, Residency: Kansas City University of Medicine and Biosciences, College of Osteopathic Medicine
- Katherine Rankin, DO, Residency: Oklahoma State University Medical Center
- Mark Van Tassell, MD, Residency: University of Iowa Hospitals & Clinics

**New Radiology Interns**

- Pankaj Watal, MBBS, Madras Medical College
- This year we welcomed our first group of students to match as Radiology interns.

- Pictured L-R: Chris Welder, MD; Nandita Agarwal, MD; Simmi Deo, MD; Renato Ferreira da Silva, MD; Nicholas Fain, MD
Kevin Berbaum, PhD, joined the Department of Psychology at The University of Iowa after receiving his PhD from the State University of New York – Buffalo, with subsequent postdoctoral training in perceptual psychology. After 3 years at the UI, in 1983, we were able to attract him into a position on the radiology faculty in the College of Medicine. He immediately became a leading researcher in perception as it applies to imaging. He was particularly successful in involving practicing radiologists in his research program. The number of physician and basic sciences faculty whom he involved in his projects are too many to mention.

Dr. Berbaum quickly became an international authority on perception in radiology. A measure of his authority is reflected in the fact that his research has received NIH funding for over 20 years, and his presentations at national meetings, including the Radiological Society of North America (RSNA) and Association of University Radiologists (AUR), have won many awards. As part of his work, he and Donald Dorfman of the Department of Psychology developed a mathematical program for assessing data from perceptual experiments that is now the standard method for such research.

In more recent years, his Medical Perception Laboratory expanded its faculty to include Kevin Schartz, PhD, Stephen Hillis, PhD, and long term research coordinator, Bob Caldwell.

All of us in Radiology thank Kevin for his many contributions that have substantially raised the quality and quantity of research in our department.

Len Watkins, PHD, grew up in Cornwall, England, moving to the United States in 1974 to seek his fame and fortune in California. After earning a Ph.D. in Pharmaceutical Chemistry from the University of Southern California in 1983, the newly minted Dr. Watkins trained as a research fellow in PET Radiochemistry at the University of Michigan. When Rich Hichwa started the PET Imaging Center at the University of Iowa he hired Dr. Watkins as the Chief PET Chemist. Dr. Watkins served as an Associate from 1989 to 1997, Clinical Assistant Professor from 1997-2006 and Clinical Associate Professor from 2006 until his retirement this year. Dr. Watkins is now an Associate Professor Emeritus.

PET Radiochemistry at The University of Iowa is synonymous with Dr. Watkins, as he was the only radiochemist in the facility for many years. His 86+ papers and 9 book chapters reveal the depth of his work. He has been acknowledged by his peers as being a leader in the field, as evidenced by his elections to a board seat and secretary of the Society of Nuclear Medicine Radiopharmaceutical Sciences Council. Dr. Watkins is especially known for his work on oxygen-15 labeled water and quality control methods for clinical-use radiopharmaceuticals.

Retirement will not slow Len down completely. He still plans on having radiochemistry projects, though he will be spending more time visiting his grandchildren and following his chief hobby, rugby.

The Department of Radiology thanks Len for his 27 years of work contributing to the great success of the PET program at the University of Iowa.

Want to keep up on the latest UI Radiology news? Follow us!
@IowaRAD
@RadiologyIowa
medicine.uiowa.edu/radiology/
Brad H. Thompson, MD, retired October 1, 2016. He was on the University of Iowa Department of Radiology faculty for 26 years. During this time he had leading roles in the department, the Carver College of Medicine, the University Hospital, and the general university in teaching, service, research, and administrative duties.

Brad was one of the first home-grown academic radiologists on our faculty. His only educational time away from The University of Iowa was his undergraduate years at Luther College in Decorah. After graduating from medical school, he entered directly into the radiology program at The University of Iowa. It was possible in those years, to be accomplished without additional clinical training. After completing his residency in 1990, he trained as a fellow in chest and cardiovascular imaging for one year, before being appointed Assistant Professor in 1990 and Associate Professor 1991. During his residency and fellowship, Brad was involved with many of our chest radiologists who subsequently departed. These included Howard Jolles, Steve Ell, Jeff Galvin, Sayed Rooholamini, as well as Bill Stanford, the section director.

Dr. Thompson’s duties in chest and cardiovascular radiology were prodigious. I was always amazed at the level of service required in that section. The daily grind of hundreds of chest x-rays, along with involvement of CT (and later MRI), biopsies, etc. After Dr. Stanford’s retirement in 2000, Brad became Chief of the Chest and Cardiovascular service.

It is difficult to summarize his multiple contributions to teaching here. Besides being involved with the medical students on our service and our residents, he played a major role in instruction in the College of Medicine curriculum, as well as lectures in other College of Medicine departments, and at the national level in the American College of Radiology and the Radiological Society of North America. He served as the Radiology Residency Program Director from 1993 – 2002 and was awarded Fellowship in the American College of Radiology in 2012. He won many awards for his teaching efforts – among them Teacher of the Year for Medical Student Education, a similar award from the emergency room residents, as well as certificates of merit from the Radiological Society of North America, the Society of Thoracic Radiology, and the American College of Radiology.

Dr. Thompson’s research was across the spectrum of thoracic and cardiovascular radiology, with 59 published papers, 4 books, and 6 book chapters. Prominent in his research effort was the development of clinical and research uses of Ultrafast CT, with Dr. Bill Stanford.

Dr. Thompson’s administrative responsibilities over the years were equally prodigious. Besides full participation in departmental administrative duties, he served on multiple committees at both the College of Medicine and University Hospital, including interviewing of prospective medical students, and served as one of the College of Medicine representatives to The University of Iowa Faculty Council and Senate.

All of his friends in the Department of Radiology and throughout the university thank Brad for his many contributions while on our faculty, and wish him the best in his retirement.

Farewell Friends...

As many of you may already know, we lost two members of the Radiology family in a very short time. In late September, 2015, Scot Heery, RTR, was in involved in an ATV accident. Due to complications from his injuries, Scot passed away on October 16, 2015. Four days after Scot’s injury, Peggy and Tony Knight were struck by a car after passing through an intersection by the hospital as they were leaving work. Peggy passed away on October 4, 2015 due to complications from her injuries.

Peggy began working at The University of Iowa Hospitals & Clinics as a clerk in Admitting and Registration in 1999, and started working for the Department of Radiology in 2006. Peggy was working in Radiology Administration as a coding coordinator at the time of her accident. She had recently taken the role of supervisor for the coding staff and in a very short time, earned the trust and admiration of her staff.

Scot is a graduate of the University of Iowa Radiologic Technology program and worked in Radiology since 1984, most of those years were spent working in CT. Scot is lovingly referred to as the “Godfather” of CT. He was a very talented CT technologist and was well respected by those who trained and worked at UIHC because of his willingness to teach. In 2004 and 2013 Scot received the Radiology Tech of the year award, as well as Above and Beyond recognition three times for interaction with co-workers and patient care.

In June, it was announced that due to the generosity of an anonymous donor, the Scot Heery Scholarship was created. Three $5,000 scholarships will be made available annually to qualified students enrolled in the Radiation Sciences or Nuclear Medicine Technology program. The primary criteria for selection are excellence in patient care and clinical competency, which is entirely consistent with Scot’s great example. Scot’s wife Cheryl will participate in the selection process.

In May 2016, two paver stones dedicated to Scot Heery and Peggy Knight were placed in the Lion’s Club Memorial and Healing Garden that is in front of the main entrance at University of Iowa Hospitals and Clinics. The garden commemorates donors who have transformed lives through their generosity. Both Scot and Peggy are greatly missed, not only for their professional contributions, but for their great friendships as well.
Sami Faruqui, MD
Department of Radiology, University of Iowa Hospitals & Clinics

8 | Toronto, The University of Iowa is still a big part of who I consider Iowa City and The University of Iowa as my home in the USA. Although I grew up in Tulsa Oklahoma, I am proud to have once called Iowa City and The University of Iowa Department of Radiology my home. I completed my residency in 2003 and, looking for adventure, moved to Canada for a 2-year Fellowship in Neuroradiology at the University of Toronto in Ontario.

The University of Toronto Fellowship was an amazing opportunity to learn about Neuroradiology within a highly sub-specialized and centralized health care system. My fellowship is best described as four 6-month mini-fellowships, including: vascular imaging and functional MRI at the Toronto Western Hospital; trauma and general neuroradiology at Sunnybrook Health Sciences Centre; pediatric neuroradiology at the Hospital for Sick Children; and, head and neck oncology at the Princess Margaret Cancer Centre.

After Fellowship, I moved to Chicago and was a Staff Neuroradiologist at Northwestern University for 2 years. Although I enjoyed my time back in the USA, it wasn’t long before I was looking to return to Toronto—especially after breaking the first rule of being an expatriate. . .“don’t fall in love”! So I was married and in 2007, accepted a Staff Neuroradiology position within the Head and Neck Section, centered at the Princess Margaret Cancer Centre.

As I approach my 10-year anniversary back in Toronto, The University of Iowa is still a big part of who I am as a Radiologist. Every time that I host a Resident case conference, Canadian Radiology Residents benefit from my adaption of Dr. Wendy Smoker’s phenomenal case presentation style. In 2013, following in the footsteps of my mentor in residency, Dr. Joan Maloney, I became the Program Director of the University of Toronto Diagnostic Radiology Residency Program.

Outside of work, Toronto is a very livable city with an amazing diversity of people, culture, food and activities. However, after a long week at work, we yearn to flee the city for a weekend at our farm, located in the hills of the Kawarthas.

Toronto has become my home now. However, I will always consider Iowa City and The University of Iowa as my home in the USA.
Mark Madsen, PhD, Receives 2016 Henry Wagner Best Abstract Award

“Personalized Kidney Dosimetry for Y-90 DOTATOC Radionuclide Therapy” details how a radiation dose to a kidney is a critical factor in determining what total dose can be delivered to the patient. This work has implications beyond DOTATOC, as kidney dose will be a factor for other intravenous therapeutic radionuclides that are in development.

Co-authored by Sue O’Dorisio, MD, PhD; Tom O’Dorisio, MD; David Bushnell, MD; John Sunderland, PhD; Len Watkins, PhD; Yusuf Menda, MD; Molly Martin, Michael Schultzm, PhD; and David Dick, PhD.

Resident Teaching Awards

Resident Research Award
Nathan Miller, MD: “Importance of Variance in Operator Technique Towards Reducing the Radiation Dose During Fluoroscopic Procedures”

Resident Teacher of the Year
Jason Mueller, MD

Resident Award for Professionalism
Aaron Jones MD

Faculty Teacher of the Year
Monzer Abu-Yousef, MD

Medical Student Teaching Awards

Gillies Award for Outstanding Senior Medical Student
Robert Becker and Chris Welder

Outstanding Medical Student Contribution to Research
Krishna Iyer

Resident Teachers of the Year
Trevin Hayman, MD
Sami Faruqui, MD

Resident Educator of the Year
Joel Dennhardt, MD

Fellow Teacher of the Year
Shawn Sato, MD

Senior Faculty Teacher of the Year
Brad Thompson, MD

Junior Faculty Teacher of the Year
Catie Metz, MD

Red Apple Awards

Noteworthy Excellence and Effort in Teaching as indicated by the 2015-2016 medical students in the Carver College of Medicine

Adam Bryant, MD
Joel Dennhardt, MD
Sami Faruqui, MD
Michaelangelo Fuortes, MD
Trevin Hayman, MD
Adam Liudahl, MD
Simon Roh, MD
Shafig Wassif, MD
Shawn Sato, MD
Monzer Abu-Yousef, MD
Eve Clark, MD
Mike D’Alessandro, MD
George El-Khoury, MD

Simon Kao, MD
David Kuehn, MD
Brian Mullan, MD, MME, MS
Maheen Rajput, MD
Yutaka Sato, MD, PhD
Brad Thompson, MD
Bruno A. Policeni, MD, MBA
Thomas J. Barloon, MD
D. Lee Bennett, MA, MBA
Kevin S. Berbaum, PhD
David L. Bushnell, MD
Aristides A. Capizzano, MD

D. Lee Bennett, MD, MBA, recipient of the Gold Medal Award from the Iowa Radiological Society, October 15, 2016.
PUBLICATIONS


Amarneh M, Abu-Yousef MM. Diffuse Sclerosing Variant of Papillary Thyroid Carcinoma Presenting with Brain Metastases. JSM Clin Med Imaging Cases Rev 1 (1): 1005-6; September 2016


**GRANTS**

PI: Colin Derdeyn, MD  
Co-Investigator: N/A  
Title: NeuroEndovascular Advisory Committee Chair, Imaging Core Trial Liaison  
Sponsor: University of Cincinnati; US Department of Health & Human Services, National Institutes of Health  
Amount: $44,303  
Duration: 01/10/2016-07/31/2018

PI: Colin Derdeyn, MD  
Co-Investigator: Minako Hayakawa, MD, Laura Ponto, PhD  
Title: UI Pilot Grant Program for Translational Stroke Studies  
Sponsor: Carver College of Medicine; US Department of Health & Human Services, National Institutes of Health  
Amount: $50,000  
Duration: 05/01/2016-06/30/2017

PI: Eric Hoffman, PhD  
Co-Investigator: John Newell, MD, Michael Graham, MD, PhD  
Title: Functional CT Assessment of Pulmonary Arterial Dysfunction in Smoking Associated Emphysema  
Sponsor: US Department of Health & Human Services, National Institutes of Health  
Amount: $3,587,299  
Duration: 03/01/2016-02/28/2021

PI: Eric Hoffman, PhD  
Co-Investigator: N/A  
Title: Chronic Obstructive Pulmonary Disease in Non-Smokers  
Sponsor: Columbia University; US Department of Health & Human Services, National Institutes of Health  
Amount: $834,124  
Duration: 07/01/2016-03/31/2021

PI: Mathews Jacob, PhD  
Co-Investigator: John Newell, MD  
Title: Novel Computational Framework for Free-Breathing & Ungated Dynamic MRI  
Sponsor: US Department of Health & Human Services, National Institutes of Health  
Amount: $1,877,718  
Duration: 04/01/2016-03/31/2020

PI: Michael Schultz, PhD  
Co-Investigator: N/A  
Title: Production of Image-Guided Metastatic Melanoma Therapy Radiopharmaceuticals  
Sponsor: Viewpoint Molecular Targeting, LLC; US Department of Health & Human Services, National Institutes of Health  
Amount: $33,000  
Duration: 01/01/2016-12/31/2016

PI: Michael Schultz, PhD  
Co-Investigator: N/A  
Title: Eichrom Scholar Radiochemistry Education Experience Program  
Sponsor: Eichrom Technologies, Inc.  
Amount: $15,000  
Duration: 01/01/2016-12/31/2016

PI: James Martin, PhD  
Co-Investigator: Daniel Thedens, PhD  
Title: Engineering Endogenous Cartilage Repair  
Sponsor: Arthritis Foundation  
Amount: $961,381  
Duration: 01/01/2016-01/01/2019

PI: Barry London, MD  
Co-Investigator: Jessica Sieren, PhD  
Title: Testing the Prototype Defibrillator System Developed by PinMed, Inc.  
Sponsor: PinMed, Inc.; US Department of Health & Human Services, National Institutes of Health  
Amount: $24,968  
Duration: 03/01/2016-08/14/2016