A five-star education in one of the most affordable cities in the nation. A training program that provides early, hands-on experience in image-guided procedures to build competence and confidence. Access to pathology, from routine to rare. Working shoulder-to-shoulder with the nation's top radiologists who you’ll know on a first-name basis. That’s Mallinckrodt Institute of Radiology: We open the door to opportunities and foster professional connections — for life.

Explore what we can offer you.
# MALLINCKRODT INSTITUTE OF RADIOLOGY by the Numbers

## PEOPLE
- 75 residents
- 34 fellows
- 140 faculty: 93 clinical, 47 research
- 1,499 alumni: 6 continents, 26 countries, 49 states

## AFFILIATED INSTITUTIONS
- **Alvin J. Siteman Cancer Center**
  - Siteman St. Peters
  - Siteman South County
  - Siteman West County
- **Barnes-Jewish Hospital**
  - Nationally ranked in 12 adult specialties**
  - Barnes-Jewish St. Peters Hospital
  - Barnes-Jewish West County Hospital
  - Charles F. Knight Emergency and Trauma Center
- **Progress West Hospital**
- **St. Louis Children’s Hospital**
  - St. Louis Children’s Hospital Specialty Care Center
- **Washington University School of Medicine**
  - Ranked as the 6th top U.S. Medical School**
  - Washington University and Barnes-Jewish Orthopedic Center in Chesterfield

## OPERATIONS
- 2,000+ types of radiology and nuclear medicine exams
- 806,040 diagnostic exams *
- 14,737 nuclear medicine exams *
- 50,855 interventional radiology procedures *

## FAMOUS FIRSTS
1. Developed cancer-visualizing goggles for surgeons
2. Among the first to offer PET/MRI for research
3. 1st to combine PET and CT scanning
4. Developed positron emission tomography
5. Designed and installed the first cyclotron in a U.S. medical center

*Fiscal year 2016
**U.S. News and World Report 2016–17
Welcome to Mallinckrodt Institute of Radiology (MIR), home of the world’s premier radiology training program.

As Mallinckrodt’s director and a graduate of the MIR residency and fellowship programs, I can assure you that you will have the best training and experiences at MIR to launch your career in radiology. High volume and diverse caseloads, advanced imaging equipment, opportunities for clinical and laboratory research, and — most importantly — world-renowned radiologists dedicated to clinical care and education, make Mallinckrodt the ideal place to spend your next four, or more, years. Additionally, you will have access to nationally ranked Barnes-Jewish and St. Louis Children’s hospitals and will collaborate with other specialists from Washington University School of Medicine, one of the top six medical schools in the country.

You may wonder about living in the Midwest and in St. Louis. I’ve moved to St. Louis three times — once from Iowa, once from San Diego, and more recently, from Baltimore. Why the Midwest? Because of the unparalleled educational and professional opportunities available at MIR and the surprisingly affordable quality of living in St. Louis!

Mallinckrodt is located on the edge of the remarkably vibrant Forest Park, an urban landscape larger than Central Park that is filled with a variety of amenities, from biking paths to an internationally acclaimed zoo and art museum. MIR sits in the city’s Central West End neighborhood, named as one of the Great Places in America — along with St. Louis’ Forest Park, Washington Avenue, and Wydown Boulevard in nearby Clayton — by the American Planning Association.

Please accept my invitation to explore our programs, tour our facilities, and meet our faculty and trainees. Once you do, you’ll know why Mallinckrodt is the place to train in radiology.

Richard L. Wahl, MD
Elizabeth Mallinckrodt Professor of Radiology
Director, Mallinckrodt Institute of Radiology
Head, Department of Radiology
Washington University School of Medicine
Quality. This is what distinguishes our residency and fellowship programs.

We combine didactics and case conferences with early, hands-on training to build graduated competence and confidence in diagnostic and procedural skills. This is accomplished in a collegial atmosphere where residents, fellows and attendings work alongside faculty who are national and international leaders in radiology dedicated to improving health care through advanced imaging and image-guided procedures.

Training is primarily conducted at the Washington University Medical Center campus which encompasses Barnes-Jewish Hospital, St. Louis Children’s Hospital, the Center for Advanced Medicine, the Alvin J. Siteman Cancer Center, the Charles F. Knight Emergency and Trauma Center, and Washington University School of Medicine. These facilities are interconnected through a series of enclosed walkways allowing for easy transit between them regardless of weather or time of day.

Several Mallinckrodt training programs also rotate to Barnes-Jewish West County Hospital (a community hospital) and the Barnes-Jewish Hospital Outpatient Orthopedic Center. Each is located in suburban west St. Louis County, approximately 15 miles from the main medical center campus.
DIAGNOSTIC RADIOLOGY RESIDENCY PROGRAM

Program Director: Jennifer Gould, MD
Contact: Lynn Lammers
lammersl@mir.wustl.edu
314.362.2978

Our program, which attracts the best and brightest applicants worldwide, has several distinguishing characteristics.

CLASS SIZE
Our average class size of 16 residents is large enough to allow for flexibility in vacation, rotation, and on-call scheduling, but small enough to foster long-lasting friendships.

FACULTY-TO-RESIDENT RATIO
Mallinckrodt’s one-to-one faculty-to-resident ratio provides unmatched clinical training in interpreting imaging studies and performing image-guided procedures. Face-to-face readout is used on all services — including post-call — so that residents get personal feedback on all cases they review. Our faculty are leaders in their fields and known nationally and internationally for their expertise.

TWO-HOURS OF DAILY EDUCATION IN ADDITION TO HANDS-ON TRAINING
Although hands-on training is the primary mode of learning, other daily educational opportunities include a rotation-specific conference in the morning and a core training curriculum lecture at noon for all residents. Residents are exposed to a large but diverse caseload to develop a strong analytic approach to the interpretation of exams and the ability to perform interventional procedures.

ACADEMIC, RESEARCH AND PRIVATE PRACTICE CAREER PATHS
Most of our residents enter subspecialty fellowships and later take positions in academia or private practice providing a vast network for information and job prospects for current residents. With a training program that dates to the 1930s, we boast the largest radiology alumni network in the world.

RESEARCH AND EDUCATIONAL PROJECTS
Mallinckrodt offers residents countless opportunities to participate in research or educational projects that result in presentation at national meetings and/or publication in major radiology journals under the mentorship of experienced faculty. The most recent graduates from the MIR program completed, on average, more than five projects each (range 1 to 15) during their residency time.
RESEARCH RESIDENCY TRACK

Up to three research residents are admitted to the research residency track each year. This specialized track in the diagnostic radiology residency program allows residents to combine training in general diagnostic radiology with dedicated time in research. Research residents are provided with guidance toward the selection of a research mentor and information regarding the multiple laboratories, facilities, infrastructure, and pilot support open to them at Washington University.

The research residency track allows up to 48 weeks of full-time research in a Washington University laboratory; the remainder of training time is spent rotating on clinical services as a diagnostic radiology resident preparing to be a clinical radiologist. The program is specifically designed to prepare highly motivated individuals for a career in academic radiology.

Research residents typically complete the first year of clinical training before starting any dedicated research time. Residents are able to rotate through the core rotations before starting call responsibilities and have time to identify a mentor and a project for the research component of the training. Resources are provided for research and research-related meeting travel.

History

The MIR diagnostic radiology research residency at Washington University began in 1989, recruiting at least one research resident per year since 1992. This program has been highly successful. Five graduates are or have been a radiology department chair, vice chair or section chief, 12 others are faculty in academic departments, three are currently clinical fellows, and one works for the Centers for Medicare and Medicaid Services (CMS).

Application

This program is offered through the NRMP match separate from the clinical diagnostic radiology training program. Applicants interested in the MIR Research Residency Program are encouraged to also apply to the clinical program.

COMBINED DIAGNOSTIC RADIOLOGY/NUCLEAR MEDICINE RESIDENCY TRACK

Mallinckrodt Institute of Radiology (MIR) has an extensive history of advancing the scope and practice of nuclear medicine and training individuals for careers in academic and private practice nuclear medicine.

MIR will be accepting up to two residents out of each diagnostic radiology residency class for a specialized training track that enables graduates to obtain dual certification in diagnostic radiology (American Board of Radiology) and nuclear medicine (American Board of Nuclear Medicine). Candidates will be selected by the second year of residency training.

Depending on a resident’s interests, both four- and 5-year options are available.

The four-year training option allows 16 months of training in nuclear medicine during a four-year diagnostic radiology residency. Residents complete the same rotations in years 1, 2 and 3 as the standard diagnostic radiology residents. However, in year 4, residents in this combined track focus on nuclear medicine. This pathway is most suited for individuals who are interested in practicing clinical nuclear medicine full or part-time.

The five-year training option provides for up to 28 months of training in nuclear medicine (minimum 24 months) by completing a standard four-year diagnostic radiology residency with the year 4 training focused on nuclear medicine followed by a one-year nuclear medicine residency/fellowship. Some of the time spent in nuclear medicine would be devoted to research in the field. This pathway is most suited for individuals who are interested in practicing academic nuclear medicine full or part-time.
In 2012, the American Board of Medical Specialties established interventional radiology (IR) as a unique specialty in medicine. In 2014, the Accreditation Council for Graduate Medical Education (ACGME) approved a dedicated IR residency. The specialty comprises unique expertise in diagnostic imaging, image-guided procedures, and patient care. Graduates will be board-certified in diagnostic radiology and interventional radiology.

Mallinckrodt Institute of Radiology (MIR) is proud to be among the first programs in the country to offer the Integrated IR Residency pathway, having matched our first two residents last year. We accept two applicants per year into this residency program.

The Integrated IR Residency consists of five years following a clinical internship year and provides training in diagnostic (three years) and interventional (two years) radiology under the supervision of the IR program director. Candidates match into the Integrated IR Residency from medical school.

Residents rotate through three hospitals during their training — Barnes-Jewish Hospital, St. Louis Children’s Hospital, and Barnes-Jewish West County Hospital — and are assured comprehensive exposure to the full scope of diagnostic and interventional radiology. During the first three years of training, IR residents build their diagnostic radiology foundation, rotating through the various diagnostic modalities and taking call with the diagnostic radiology residents.

The final two years are mainly focused on image-guided interventions and invasive diagnostic procedures with additional rotations through the intensive care unit and IR-related areas. During the IR months, residents work with 14 faculty who have subspecialty training in interventional radiology and learn a wide variety of adult and pediatric interventional procedures including: venous access, percutaneous organ access, angioplasty/stenting, thrombolysis (arterial and venous), venous recannulation, IVC filter placement and retrieval, vein ablation, fibroid embolization, trauma, transarterial chemoembolization, radioembolization, tumor ablation, TIPS, biliary interventions, dialysis access maintenance, urologic interventions, and more. With more than 50,000 image-guided procedures performed yearly, there is ample volume for all residents. Myriad research opportunities, an active IR outpatient clinic, and busy inpatient admitting and consultation services complete the experience, so that graduates leave prepared for careers in academic or private practice IR.

INDEPENDENT INTERVENTIONAL RADIOLOGY RESIDENCY

MIR is in the process of applying for four residency positions in an Independent Interventional Radiology Residency. The planned training experience, which will be available in 2020–21, will largely mirror the final two years of the Integrated IR Residency program. Eligible candidates will be individuals who have completed a four-year diagnostic radiology residency with consideration given both to applicants who have completed an ESIR (Early Specialization in Interventional Radiology) year and those who have not.
Fourth-year resident Lauren Saling, MD, has been instrumental in creating a Mallinckrodt chapter of RAD-AID, an international organization that works to increase and improve imaging resources in developing and impoverished countries.

Working with fellow residents and faculty mentors, Saling organized the group’s first international outing this past May — a trip to Guatemala and the INCAN oncology center in Guatemala City, the Central American country’s capital.

“RAD-AID focuses on collaboration, not developing paternalistic relationships, says Saling. “In other words, we focus on what people say they need and on establishing a mutually beneficial partnership.”

Faculty and staff at INCAN identified the lack of an imaging and archiving system as their greatest concern. Working with informatics professionals from RAD-AID’s national organization, MIR chapter members were able to assist in the development of an in-house, cloud-based storage system. The group returns to Guatemala this fall for project implementation, a change that will greatly improve the quality and continuity of patient care.

During the return trip, Saling and fellow resident Tyler Fraum, MD, also will be conducting a research project on hepatocellular carcinoma at INCAN and spending time at Roosevelt Hospital, a nearby public hospital with 17 current radiology residents but no MRI or functioning CT scanner.

“We’re interested in establishing long-term partnerships, including a resident exchange program,” says Saling. “We can learn from them.”
Residents in the diagnostic radiology residency, research track, integrated IR residency, and diagnostic radiology/nuclear medicine track rotate through a core curriculum in the first three years of their training to become progressively competent in all areas of diagnostic radiology and to prepare for their board examination.

**CORE ROTATIONS INCLUDE:**

**Body Computed Tomography** – During their first rotation, residents quickly become familiar with normal cross-sectional anatomy of the chest, abdomen and pelvis, and develop an understanding of pathologies seen on CT. In subsequent rotations, they refine their knowledge of diagnoses frequently found on CT, and become proficient with advanced CT protocols. Upper level residents become adept in CT-guided biopsies.

**Body Magnetic Resonance** – Consistently one of our most popular rotations, this busy clinical rotation covers all aspects of body MRI and body MRI angiography. Residents experience a high-volume body-MRI practice with a mix of thoracic, liver, pelvis and MRA imaging. PET/MRI exposure is unique to our program.

**Breast** – Because our breast imaging facility is co-located with a breast surgical practice, residents train and work alongside attending radiologists and breast surgeons. Residents learn how to interpret diagnostic and screening mammograms including tomosynthesis. They also receive training in breast MRI and perform sonographic and stereotactic breast biopsies and needle localizations.

**Cardiac Imaging** – Residents learn as part of one of the largest cardiac imaging sections in the nation. The section is staffed by a cardiac radiologist every day, and a radiology resident dictates all cases. Residents have a shared conference with cardiologists and have access to cath and echo images. Every coronary CT and cardiac MRI is physician-monitored and residents become proficient in protocoling studies and complex post-processing of images. All residents meet the American College of Radiology’s requirements for cardiac CT interpretation and the American College of Cardiology Level I requirements for cardiac imaging.

**Chest** – The cardiothoracic imaging rotation covers the review of chest radiographs for Barnes-Jewish Hospital which includes its medical, surgical, neurosurgical and cardiothoracic intensive care units. With world-class pulmonary and lung transplant programs and cardiac and thoracic surgery services, this rotation exposes residents to a wide variety of diagnoses, from routine to rare and complex.

**Emergency/Trauma** – First-year residents rotate through the busy Charles F. Knight Emergency Trauma Center of Barnes-Jewish Hospital to “learn the ropes” before they begin independent call as second-year residents. Residents cover this center with faculty back-up available to review images from home or come in when needed. Each shift
ends with a face-to-face readout with subspecialty attendings. The center is a regional Level 1 trauma center that sees more than 95,000 patients annually, including about 13,000 trauma patients. Radiology residents staff the center using a night float system after hours as well as scheduled evening and overnight shifts.

**Gastrointestinal/Genitourinary** – Residents perform all fluoroscopic exams with subspecialist attending involvement. Residents perform a wide variety of studies on inpatients and outpatients, including swallow studies, barium esophagrams, small bowel studies, barium enemas, hysterosalpingograms, and retrograde urethrogram. With remote viewing of the fluoro screen by faculty in the reading rooms, residents have the opportunity to independently perform GI contrast examinations.

**Interventional** – Residents serve as the primary operator on procedures working one-on-one with attending radiologists. With cutting-edge services, some of which aren’t available elsewhere in the region, residents are exposed to general body interventional procedures including percutaneous organ drainage, arterial embolizations, TIPS, and thrombolysis.

**Musculoskeletal** – In this multi-modality rotation, residents interpret radiographs, ultrasounds, CTs and MRIs of patients with a wide range of bone and joint disorders including orthopedic, neoplastic, metabolic, rheumatologic and infectious abnormalities. Residents also may elect to participate in the musculoskeletal procedure service, where they receive hands-on instruction performing image-guided diagnostic and therapeutic interventions for a variety of musculoskeletal conditions.

**Neuroradiology** – Residents read all modalities in neuroradiology beginning with their first rotation. They participate in daily lectures and case conferences dedicated to neuroradiology. Residents perform fluoroscopically-guided spinal procedures and diagnostic cerebral angiography and have the opportunity to participate in advanced neuroradiology imaging techniques including diffusion tractography, functional MRI, and PET/MRI.

**Nuclear Medicine** – While on service, residents are provided with the requisite physics and laboratory training to meet Nuclear Regulatory Commission requirements so they are Authorized User-eligible at the completion of training. Our busy Nuclear Medicine service handles a full complement of imaging including PET/MRI, PET/CT, SPECT, SPECT-CT and planar imaging.

**OB/GYN Ultrasound** – Senior residents work with the OB/GYN faculty and house staff learning obstetric ultrasound for the first, second and third trimesters. Residents spend time at Barnes-Jewish Hospital and Missouri Baptist Hospital.

**Pediatric** – Residents learn pediatric imaging from full-time pediatric radiologists at St. Louis Children’s Hospital. Supplementing their daytime experience, residents take radiology call at the hospital during night float and senior call experiences.

**Rad-Path** – All residents have the opportunity to attend the American Institute for Radiologic Pathology. Mallinckrodt pays the tuition and provides a stipend to defray costs of travel and lodging. Residents who choose not to go are afforded a four-week rad-path study period at MIR.

**Ultrasound** – Residents learn image interpretation and scanning techniques on this busy rotation. Nearly every patient who comes through this service is scanned by a resident after the sonographer completes the initial evaluation. The ultrasound service performs most of the image-guided biopsies and aspirations for Barnes-Jewish Hospital.

**Vascular Ultrasound** – Senior residents learn vascular imaging of the extremities and carotid arteries in the vascular surgery section’s ultrasound laboratory.
Barnes-Jewish West County Hospital – Located in west St. Louis County, this 113-bed facility has a busy inpatient and outpatient radiology service staffed by Mallinckrodt faculty. Residents spend one to two months (over their four years of training) in this facility, primarily rotating on abdominal imaging, musculoskeletal and cardiothoracic services.

CURRICULUM – YEAR 4

Residents in the diagnostic radiology residency have the option of completing one or more “selective” rotations based on individual interests and career goals during the final year of training. Designed by the subspecialty sections, there are selectives in abdominal radiology, cardiothoracic radiology, musculoskeletal radiology, breast radiology, interventional radiology, pediatric radiology, neuroradiology, and nuclear medicine. Interdisciplinary selectives like oncology and general radiology also exist. New selectives are considered based on resident interest, and we welcome new ideas.

Our newest option, an informatics selective, is designed for a senior resident to improve their knowledge of clinical imaging informatics and for those who may envision a future role as an informatics specialist within their practice.

These mini-fellowship experiences typically vary from six to 12 weeks in length, though longer selectives can be arranged if the schedule permits. While residents are typically expected to spend time in all of the areas each section covers, they are often able to work with faculty to focus on specific areas of the subspecialty. Additional features vary, but many
include increased autonomy, teaching opportunities, and academic time for research or quality improvement projects. A few additional selectives also exist, including oncology and general radiology.

Some residents use allotted time in the fourth year to focus on shorter alternative electives:

**Away rotations** – Some residents have designed unique learning and research opportunities outside of St. Louis in other locations in the United States. Residents also have spent time in a variety of foreign countries, including Chile, Bhutan, Guatemala, Honduras and the United Kingdom.

**Research** – There are ample opportunities for research. Residents who are involved in projects that require dedicated blocks of research time frequently elect to pursue a research elective that allows them uninterrupted time to work on these mentored projects.

**Teaching elective** – Select residents provide radiology-anatomic correlative training for first-year medical students in the Gross Anatomy course through lecture and small group teaching at the cadaver.

The year is rounded out with required time in nuclear medicine and breast imaging, as well as the assigned call and night float opportunities.

### EARLY SPECIALIZATION IN INTERVENTIONAL RADIOLOGY (ESIR)

Up to three residents will be selected from each residency class for ESIR status. ESIR residents will focus into interventional radiology during their fourth year of residency training and will complete an ICU month as well as at least eight IR and IR-related rotations to easily meet the requirements for advanced placement into an independent IR residency. The balance of the year will include diagnostic radiology rotations like nuclear medicine and breast imaging to meet training requirements.

### CONFERENCES

#### DAILY NOON CONFERENCE
A noon-hour conference designed specifically for resident education is hosted daily by one of the diagnostic radiology subspecialties. Given by a subspecialty-trained faculty radiologist, each conference is digitally recorded and available for review by trainees.

#### TEACHING CONFERENCE
A teaching conference, which is often case-based, is given each day on nearly every rotation, providing residents with additional didactic teaching and the opportunity to practice taking cases in an unknown format. Residents in all years participate. A first-year resident may identify the findings in a case, at which point a more senior resident may synthesize the findings into a differential diagnosis. A faculty member then rounds out the discussion with additional findings, diagnoses and teaching points.

#### REVIEW CONFERENCES
Mallinckrodt Institute of Radiology hosts its own internal case review conference series for residents to prepare them for the American Board of Radiology Core Examination and independent practice.
OTHER RESOURCES

RADIOLOGY LEARNING CENTER
The Radiology Learning Center is a two-level facility designed for residents’ use 24 hours a day. The lower level houses the library and a small kitchen. The upper level includes a lounge where residents can meet and relax, as well as a computer lab with access to all necessary institutional computer programs. The program also provides access to StatDX™, e-Anatomy™, and RADPrimer™. Additional resources are added based on resident recommendation and review.

LIBRARIES
Mallinckrodt has a library of radiology textbooks located in the Radiology Learning Center that are reserved specifically for the use of trainees in the program. Residents can check these out for self-study for their rotations, board review, etc. Residents also have access to Washington University School of Medicine’s Becker Medical Library, which houses a great number of radiology textbooks for checkout and e-books for review on personal devices.

CALL RESPONSIBILITIES

Call duty is delayed until the second year of training so that residents are fluent in the fundamentals of radiology. At least three radiology residents share on-call responsibilities in the hospital from 5 pm to 7 am on weekdays and around the clock on weekends and holidays. Residents take call for three years with a break in the months preceding the American Board of Radiology Core Examination. A night float system is used for most overnight call duty; additional call shifts are scheduled to manage the busy periods in the evenings and during the day on weekends. The large residency and individual class size keeps the volume of call shifts manageable and facilitates call switches.

Residents cover the emergency department and hospital providing interpretation for imaging studies performed after hours; there are no on-site attendings. When needed, on-call faculty and fellows are available for phone consultation and image review by teleradiology.

Residents issue preliminary dictations on all studies they review while on call. They have face-to-face readouts in the morning with subspecialty faculty who provide feedback on their interpretations.
“Many people at MIR think on-call experience is the gem of residency training,” says third-year resident Megan Lee, MD. “Night float is great for us because it tests our ability and independence.”

Night-float rotation starts in the second year. It’s a 12- or 14-hour shift beginning at 5 pm or 7 pm and ending the next morning with a face-to-face readout of the previous night’s studies with the attending radiologist, says Lee.

Two residents provide all the radiology coverage for Barnes-Jewish and St. Louis Children’s hospitals. “We have busy (Level 1) emergency departments, and being busy is good because the more you see, the more you learn.” Residents also read all in-patient CT scans and handle a slew of phone consults. “It sounds like a lot, and it is tough, but it’s definitely manageable,” Lee says.

However, experience and confidence builds over time. “You’re not completely on your own,” Lee says. “The first time you’re on night call, you’re with a more senior resident. That’s helpful, and all of the residents are friendly and willing to look at studies that you may have a question about. If there is a high-stakes clinical question requiring a quick decision, residents can contact the attending (on call), who will review the study from home, Lee says.

“When you read out cases during the day, the attending is sitting in the same room. You know you are going to go over the study with them. Night-float residents don’t have that luxury; you have to make a decision or consult the other resident,” Lee says. “I’ve heard many people say that you become a ‘real radiologist’ only after night-float here. It builds confidence.”
Eugene Kim, MD, grew up in Fresno, California, attended boarding school near Boston and college at Yale, then returned to the West Coast for medical school in San Francisco and an internship in Los Angeles. But when he and his partner — a neuro-oncologist — couples-matched for their respective residencies, they chose the Midwest, and St. Louis became their temporary home.

“We really didn’t know a lot about the Midwest,” says Kim, “but we thought our residencies would be a great time and opportunity for us to try something new.” St. Louis did not disappoint.

“Coming from San Francisco and LA, we had some apprehension and preconceived notions, admits Kim, a fourth-year resident. “It’s a more inclusive, family-friendly city than I thought, and MIR’s residency program embraces diversity and is very supportive.”

“Culturally, there are a ton of things to do,” he says. “We’ve taken advantage of the symphony and seen multiple Broadway-type shows. St. Louis is also a great sports city; we always attend the Mallinckrodt outing to Busch Stadium for a Cardinals game, which is a lot of fun. It’s nice that Mallinckrodt sponsors a lot of events for residents to explore as a group, which helps create lasting bonds.” One of the city’s greatest assets, says Kim, is Forest Park, and he appreciates the diversity of the city’s cuisine, including Ethiopian, Persian and Vietnamese.

Kim has just one year of residency left, after which he’ll relocate to New York to start a breast imaging fellowship and rejoin his partner. “I’ll miss the ease of life, the comfort, and the Midwest spirit of generosity and collegiality.”
Our fellowships are highly competitive, sought by many and sometimes filled in advance of the deadline completion date. A large number of our own residents elect to stay for fellowships.

In addition to receiving intensive training, fellows teach residents and medical students, consult with their clinical colleagues, and conduct conferences. Fellows also have the opportunity to collaborate with section faculty on research projects and attend subspecialty meetings.

Our 10 fellowship programs are:
- Abdominal Imaging
- Body Magnetic Resonance Imaging
- Breast Imaging
- Cardiothoracic Imaging
- Interventional Radiology*
- Musculoskeletal Imaging and Interventions
- Neuroradiology
- Endovascular Surgical Neuroradiology
- Nuclear Medicine
- Pediatric Radiology

*final year offered will be 2019–20 due to the conversion to the IR residency
ABDOMINAL IMAGING FELLOWSHIP

Program Director: Anup Shetty, MD
Contact: Katrina Bridges
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314.362.1053

We are a high-volume practice with exposure to a broad array of common, uncommon and rare conditions. Abdominal fellows rotate primarily through the body CT, 3D CT, body MRI, ultrasound and procedure services. They spend limited time on the GI/GU service and have an option to work in the emergency department. Fellows leave the program with considerable expertise in all modalities used to image the abdomen as well as confidence using ultrasound and CT to guide percutaneous procedures.

Our faculty brings a broad mix of experience, clinical and research prowess, as well as exceptional teaching skills that are manifest in the reading rooms, teaching conferences, and multidisciplinary conferences. Attendings are devoted to clinical care and training and work in the reading rooms side-by-side with the fellows throughout the workday.

Fellows, who work primarily at Barnes-Jewish Hospital and occasionally at Barnes-Jewish West County Hospital, learn through a combination of on-service experience, conferences, and didactic lectures.

About two-thirds of our fellows go into private practice and one-third go into academics.

ET CETERA
• five fellows per academic year
• on call: home call every fifth week for one week at a time
• research project optional
BODY MAGNETIC RESONANCE IMAGING FELLOWSHIP

Program Director: Kathryn Fowler, MD
Contact: Katrina Bridges
bridgesk@wustl.edu
314.362.1053

The Body MRI fellowship focuses on clinical training involving all aspects of body MRI, including abdominal and pelvic MRI as well as MR angiography, cardiac MRI, CT, and PET/MRI. We provide hands-on tutoring and mentoring with MRI examinations and protocoling. Our daily average is approximately 30 to 40 MRI cases and 10 to 20 3D CT cases. Fellows have the option to rotate on the Cardiac-MRI service, and also rotate on the ultrasound, body CT, ER, procedures, and Barnes-Jewish West County Hospital services through which they are exposed to a wide variety of body pathology.

In addition to diagnostic interpretation, our training emphasizes the instrumentation and basic physical principles of MRI as applied to clinical imaging. We have 10 clinical scanners, two research scanners, and one PET/MRI scanner. Most of our faculty are body-MRI trained. Fellows can expect to graduate with extensive knowledge of body MRI protocols, knowledge of running a body MRI service, and the ability to run/trouble-shoot MRI scanners.

ET CETERA
• two fellows per academic year
• on call: home call one week out of every four with in-house coverage on Saturday for read-out
• research project optional
The breast imaging section performs more than 45,000 breast imaging studies per year and about 40 breast biopsies and 20 breast needle localizations each week. Our volume of tomosynthesis studies increases yearly. We are a regional referral center with a high-risk breast cancer screening program. Consequently, during their year of training, fellows receive comprehensive training in breast imaging, film interpretation, and breast interventional procedures. Training primarily occurs in the reading rooms and in the clinics where fellows work alongside all seven attending faculty.

Several faculty hold key positions on committees of the Society of Breast Imaging and the American College of Radiology, and they speak and teach at their national meetings. We staff a top-level breast center with a strong teaching mission for residents and fellows, and we provide outstanding care to patients with breast diseases.

ET CETERA
• two fellows per academic year
• on call: after hours (by telephone) to prescribe MRI protocols and ultrasound for breast abscesses
• research project optional
CARDIOTHORACIC IMAGING FELLOWSHIP

Program Director: Cylen Javidan-Nejad, MD
Contact: Connie Sarusal
sarusalc@wustl.edu
314.362.2927

The cardiothoracic imaging section is one of the largest thoracic imaging and cardiac radiology groups in the country, annually interpreting about 120,000 chest radiographs, 12,000 chest CTs, 20,000 total CTs (including abdomen and pelvis), 350 cardiac MRs, 300 cardiac CTs, and 50 lung biopsies. Fellows become confident in their skills and are experts in thoracic and cardiovascular imaging. Our graduates are almost evenly split between careers in academics and private practice.

Fellows attend “boot-camp” lectures/workshops and a cardiothoracic imaging conference series at which cardiology faculty, pulmonologists, cardiologists and pulmonary pathologists provide lectures. Fellows are responsible for presenting one to two radiology/pathology correlation conferences throughout the year. Fellows participate in the following conferences: interstitial lung disease, thoracic oncology, congenital heart disease, and the Stuart S. Sagel thoracic imaging case conference. The chest teaching file has more than 5,000 proven cases.

ET CETERA
• two fellows per academic year
• on call: two weeks of home call near the end of their training and, similar to faculty, work a half weekend day a month
• research project optional
INTERVENTIONAL RADIOLOGY FELLOWSHIP

Program Director: Gretchen Foltz, MD
Contact: Evie Hennessey
hennesseye@wustl.edu
314.747.5847

Fellows in our ACGME-accredited Interventional Radiology (IR) program are exposed to a wide range of body interventions during their one-year tenure. Each fellow performs more than 1,200 cases, including core IR procedures as well as less-commonly performed IR procedures such as gallstone extraction with choledochoscopy and pulmonary AVM treatment. With approximately 120 TIPS, nearly 400 TACE, 120 radio-embolizations, 300 IVC filter insertions, 60 uterine artery embolizations, and 300 gastrostomy tube placements annually, there are plenty of opportunities for fellows to become facile in the use of equipment and the care of patients under the direct supervision of faculty, many of whom are nationally and, in some cases, internationally known for their expertise. Fellows work with residents in providing patient care in the procedure suite.

Although most of the cases are performed at Barnes-Jewish Hospital, all fellows also perform some pediatric interventional radiology at St. Louis Children’s Hospital.

Approximately 80 percent of our graduates choose a career in private practice. The remainder enter an academic/university-based practice or affiliate.

ET CETERA
• six fellows per academic year
• on-call: home call with callbacks as needed for urgent/emergent procedures; weekend call is split evenly among fellows throughout the year, and weekday call is shared between fellows and diagnostic radiology residents
• research project encouraged
MUSCULOSKELETAL IMAGING AND INTERVENTIONS FELLOWSHIP

Program Director: Jon Baker, MD
Contact: Linda Macker
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314.362.2916

We have a very busy clinical practice that includes staffing a large tertiary medical center affiliated with a world-class medical school, an outpatient orthopedic center with clinics and surgical suites, and community hospitals. Each fellow rotates through the different sites and gains exposure to a large volume of radiographs, CT, MRI and ultrasound. Fellows perform image-guided procedures typically two days per week and MR arthrography on an almost daily basis. Fellows learn through daily case exposure, independent learning, lectures, and instructional hands-on procedural sessions.

This program’s breadth and depth of diagnostic musculoskeletal imaging and procedures is exceptional. Our case mix includes traumatic, rheumatologic, metabolic, sports, oncologic and spine imaging. The number and variety of interventional procedures is unique and includes vertebral augmentation; tumor ablation using radiofrequency ablation, cryoablation, and microwave ablation; bone and soft-tissue biopsy; joint injection and aspiration; and spine procedures including facet injection, medial branch block, and central epidural and transforaminal steroid injections.

ET CETERA
• five fellows per academic year
• on call: home call every third month for one week
• research project encouraged
Our one-year, ACGME-accredited fellowship is a rigorous program preparing fellows for successful careers in academic or private-practice neurology. The world-class academic environment at Mallinckrodt and Washington University School of Medicine, coupled with a busy, nationally ranked tertiary medical center and a neuroscience institute, provides fellows with unparalleled training in neuroradiology. Fellows read cases and perform procedures at a high volume, with 100 percent of cases reviewed by faculty who are known experts in their fields.

Fellows are not only exposed to routine clinical imaging studies, but also a wide range of advanced MRI techniques including perfusion, functional MRI, spectroscopy, tractography, CSF flow and PET-MRI. Some state-of-the-art techniques, such as resting-state functional imaging, were developed at Mallinckrodt and are only available through our facilities. The exceptionally busy neurointerventional service allows fellows to perform diagnostic catheter angiograms at a high volume and under the direction of three dedicated, radiology-trained neuro-interventionalists. Our robust database of diagnosed and pathology-proved cases is easily searchable for review, study and research. Our program boasts a nationwide network of former trainees, all of whom are eager to assist in placement of our graduating fellows.

ET CETERA
- nine fellows per academic year
- on call: split evenly among fellows; weekday overnight call (one night at a time from home) and weekend call (daytime review followed by home call at completion of hospital duties)
- research project optional
ENDOVASCULAR SURGICAL NEURORADIOLOGY FELLOWSHIP

Program Director: DeWitte Cross, MD
Contact: Peggy Winkler
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314.362.5949

Our one-year, ACGME-accredited fellowship requires a prerequisite diagnostic neuroradiology fellowship for candidates from diagnostic radiology programs. Applicants from neurosurgery and neurology require a prerequisite year of training in catheter angiography and vascular imaging. Fellows are supervised by three full-time attending senior staff who are internationally recognized for their expertise in the field.

Fellows learn hands-on through a high-volume case-load in two biplane neuroangiographic suites with full flat panel and 3D capabilities. Typically we perform more than 1,000 diagnostic angiographies and 300 interventional cases, including 150 aneurysm cases, annually. Our stroke caseload increases yearly. We provide more hands-on experience and responsibility than most other similar programs, providing fellows with the skills they need for independent high-volume practice.

Brain aneurysms, arteriovenous malformations, dural arteriovenous fistulas, extra- and intracranial atherosclerotic disease, and ischemic stroke are among the conditions our fellows learn to diagnose and treat. Our service is closely integrated with the departments of Neurological Surgery and Neurology. We offer weekly didactic, stroke and vascular conferences, and monthly events include an endovascular acute stroke committee and a morbidity and mortality conference.

ET CETERA
• two fellows per academic year
• on call: one week every four weeks of home call with callbacks as needed for urgent/emergent procedures
• research project encouraged and expected
NUCLEAR MEDICINE RESIDENCY/FELLOWSHIP

Program Director: Henry Royal, MD
Contact: Barb Knipshild
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The primary goal of this fellowship is to develop superlative nuclear medicine physicians. The secondary goal is to attract and train medical graduates with interests in research and education who are motivated to pursue careers in academic nuclear medicine.

Our program is designed to provide intensive clinical training in both adult and pediatric nuclear medicine. Fellows gradually assume increased responsibility in the clinical service while always working closely with an attending physician who reviews every case with them. Although we emphasize diagnostic imaging, extensive experience is also provided in radioiodine therapy of hyperthyroidism and additional experience is provided in cancer therapy, primarily treatment of thyroid cancer. Therapeutic use of parenteral therapy (ZEVALIN®, samarium, Xofigo® and SIR-Spheres®) also is included. Special features of the training program include a nuclear cardiac imaging service, clinical PET/CT and PET/MRI facilities, and a pediatric service.

Approximately 80 percent of our graduates choose a career in private practice, often in a community hospital. The remainder enter an academic/university-based practice or affiliate. Applicants with diagnostic radiology training are preferred; other applicants with a strong research background will be considered.

ET CETERA
• five fellows per academic year
• on call: home call weekly (Monday through Sunday) is split evenly among the fellows throughout the year
• research project encouraged
Fellows in this ACGME-accredited program are exposed to a wide variety of classic and complex pediatric pathology. We perform more than 100,000 imaging studies annually, including about 12,000 ultrasound studies and 8,500 MRI exams. Faculty work with fellows on an individual basis and are eager to pass on their knowledge. Interaction with pediatricians from other clinical departments in the reading rooms and in subspecialty conferences enriches our fellows’ experience.

Fellows are encouraged to think independently and make their own decisions before reading out cases with attending faculty. Fellows do not read out residents, but they do oversee them when on call. Faculty are approachable and available as backup. Many of our faculty are nationally and internationally renowned in pediatric radiology and hold leadership positions in professional radiological societies. Our equipment is among the most advanced anywhere.

All rotations occur at St. Louis Children’s Hospital, which is a Level 1 trauma and referral center for the Midwest. Some patients travel to St. Louis from abroad for specialty care. We prepare fellows for both private practice and academic positions.

ET CETERA

- two fellows per academic year
- on call: (from home) occurs one week per four-week rotation; Saturday call is in-house from 7:30 am to 5 pm, then from home until the following morning; on Sunday call, the fellow comes in to read out the ICU cases, then takes call from home until the following morning (Call is always backing up a resident who is in-house.)
- research project required
RESEARCH

Mallinckrodt Institute of Radiology has a robust, extensive and collaborative research program that includes six laboratories and nine research support facilities. A leader in imaging technology, Mallinckrodt received $25.5 million in externally sourced research revenue in fiscal year 2016.

DIVISION OF RADIOLOGICAL SCIENCES
- Biomedical Resonance Imaging Laboratory (BMRL)
- Cardiovascular Imaging Laboratory (CVIL)
- Electronic Radiology Laboratory (ERL)
- Neuroimaging Laboratory (NIL)
- Optical Radiology Laboratory (ORL)
- Radiological Chemistry and Imaging Laboratory (RCIL)

The Center for Clinical Imaging Research (CCIR) is a centralized, hospital-based facility that provides access to advanced imaging resources and support for clinical investigators in their efforts to improve the diagnosis and treatment of disease.

RESEARCH SUPPORT FACILITIES
- Center for Clinical Imaging Research (CCIR)
- Center for High Performance Computing (CHPC)
- Central Neuroimaging Data Archive (CNDA)
- Clinical Research Lab (CRL)
- Cyclotron Facility
- East Building 3T MRI Facility
- Neuroimaging Informatics Analysis Center (NIAC)
- Pre-Clinical PET/CT Imaging Facility
- Small-Animal Magnetic Resonance Facility

Mallinckrodt has a total of eight research MRs on campus, four — including a PET/MR — for human use, and four small animal scanners. The department recently added nearly 20,000 square feet of additional laboratory space, encompassing its Optical Radiology Laboratory in the new McKinley Research Building as well as radiochemistry, biotechnology and other endeavors at locations across the Washington University Medical Center campus. Extensive renovations at the MIR Tower have upgraded clinical space for ultrasound, interventional radiology and GIGU; additional renovations are underway for musculoskeletal radiology.
“If you have the desire to do research, you’ll have plenty of resources and faculty support at MIR,” says third-year resident Devin Vaswani, MD.

Vaswani became interested in radiological research during his musculoskeletal (MSK) rotation. The section’s wide array of special procedures — including joint injections, bone biopsies, and bone tumor ablations — piqued his curiosity; he became particularly intrigued by the work of associate professor Jack Jennings, MD. “He’s an MSK attending, and one of the few people in the country who does minimally invasive palliative treatment for end-stage cancer patients with metastases to their spine,” says Vaswani.

Vaswani’s research began by assisting Adam Wallace, MD, a neuroradiology fellow conducting a retrospective analysis of Jennings’ patients who had undergone palliative treatment with combination radiofrequency (RF) ablation and vertebroplasty. During the process, Jennings and Wallace had difficulty treating patients with lesions located in the posterior vertebral body due to their proximity to the spinal cord. “For obvious reasons, you don’t want to burn or freeze the spinal cord,” says Vaswani. Wallace suggested that Vaswani, who holds an undergraduate degree in biomedical engineering, help them tackle the problem and join a local technology incubator for additional ideas.

Time and resources made making a novel RF ablation needle difficult, so “we simplified the concept to creating a novel bone biopsy needle for these lesions and a new cooling system for RF probes,” says Vaswani. “I’ve always enjoyed building with my hands,” he says. Now he’s using the skill set to advance the field of radiology.
A thriving metropolitan area of 2.8 million people, the Gateway to the West is a big city that retains the small-town, friendly character of the Midwest. St. Louis is a collection of diverse neighborhoods, and within their confines, natives and transplants alike can find easy access to housing, food, fun and a variety of activities.

Housing prices in the city and surrounding areas are considerably lower than in other areas of the country; many residents and fellows own houses or condominiums, while others find affordable apartments and rental properties with amenities including fitness facilities, pools and more.

Getting around St. Louis is easy, without the stressful commute that is a feature of other major metropolitan areas. Driving in the city and county is a breeze on its major thoroughfares, and a light rail (MetroLink) system serves St. Louis and St. Louis County, as well as Madison and St. Clair counties in Illinois.
ATTRACTIONS
Whether you’re looking for a vibrant nightlife, great dining experiences, opportunities to enjoy the great outdoors, or other outstanding cultural activities, St. Louis definitely has something for you.

Forest Park is located adjacent to Washington University Medical Center. At more than 1,300 acres, it is almost double the size of New York City’s Central Park. The park — recently named the No. 1 park in the United States by USA Today readers — has a 6.2-mile biking/rollerblading path, separated from a walking path. Recreational facilities include a Hale Irwin-designed public golf course, handball and racquetball courts, fishing, boating, athletic fields, tennis courts, and a skating rink. Popular annual activities featured in the park include the Great Forest Park Balloon Race, Fair Saint Louis, the LouFest musical festival, and the Great St. Louis Kite Festival. Park attractions include:

- **St. Louis Zoo (free)** – Ranked 3rd best in the United States and fourth best in the world by Trip Advisor, this zoo provides opportunities to get close to our animal friends. In 2016, the zoo was named the No. 1 free attraction in the United States by USA Today’s 10 Best Readers’ Choice Awards Program.
- **St. Louis Art Museum (free)** – With more than 33,000 works, the museum is popular with art aficionados and novices. Touring exhibits bring people back again and again.
- **Missouri History Museum (free)** – A fabulous collection of Missouri history including a large collection devoted to the 1904 World’s Fair held in Forest Park.
- **The Muny** – the nation’s oldest and largest outdoor musical theatre (some free seats) with at least six professional productions each summer.
- **Boathouse Forest Park** – A casual restaurant and boat rental facility in the heart of Forest Park that is a great place to relax in the sun with friends and family.
- **St. Louis Science Center and James S. McDonnell Planetarium (connects to park via bridge; free)** — This interactive science museum is fun for the kid in all of us and includes an OMNIMAX theater and rotating exhibits.
- **The Jewel Box** – A popular place for weddings, receptions, and other special events, it is often referred to as the “jewel” of Forest Park. It houses hundreds of flowers with floral shows held throughout the year.

The Gateway Arch – The most recognizable St. Louis landmark — and for good reason. At 630 feet tall and 630 feet across at its base, the Arch can be seen for miles from both sides of the Mississippi River beside which it stands. No trip to St. Louis is complete without a ride to the top of this fabulous structure.

Currently, the Arch and its surrounding grounds are undergoing an extensive renovation project that will enhance the landmark and make access from downtown areas more pedestrian-friendly. As part of the renovation project, the Museum of Westward Expansion, located under the Arch, is currently closed. Tickets for a ride to the top of the Arch can be purchased at the Old Courthouse (11 N. 4th Street), which is 7.5 blocks and approximately 10-15 minutes walking time from the Arch.
St. Louis is home to Cardinals baseball (yes, we are the best fans in baseball), Blues hockey, and a variety of semi-pro and amateur teams.

The Missouri Botanical Garden is a 79-acre, world-renowned garden. In addition to its large geodesic dome, the garden features a children’s garden, Chinese and Japanese gardens, and an English woodland garden. Annually, it hosts cultural festivals, food and craft shows, and free jazz concerts. The garden’s Sophia M. Sachs Butterfly House, located in St. Louis County’s Faust Park, is an 8,000-square-foot glass conservatory where visitors mingle with more than 60 species of the world’s most beautiful butterflies in free flight.

The Magic House–St. Louis Children’s Museum is consistently rated one of the nation’s top family attractions. With more than 55,000 square feet of exhibits, this museum teaches kids about the world they live in while they just think they are having fun.

The Saint Louis Symphony is the second oldest symphony in the country and is well-regarded nationally and internationally. Performances are scheduled throughout the year at Powell Hall, a recently renovated gem of 1920s theatre architecture.

Forty professional theaters dot the St. Louis scene, including the Fabulous Fox Theatre and the Peabody Opera House, which present Broadway shows, dance performances, and concerts. The Repertory Theatre of St. Louis, Black Rep, Sheldon Concert Hall, Touhill Performing Arts Center, Pageant, Dance St. Louis, Stages, Opera Theatre of St. Louis, and Jazz at the Bistro are among other venues that feature diverse programming.

Delmar Loop, on the edge of Washington University’s undergraduate campus, is a six-block entertainment, restaurant, and shopping district designated as one of the Top 10 Streets in America by the American Planning Association.

Eclectic does not begin to describe The City Museum, a facility created from reclaimed architectural and industrial objects. Visitors can find a Beatnik Café, rooftop Ferris wheel, circus, giant slinky, log cabin, and working shoelace factory among its exhibits.

Grant’s Farm, the 281-acre ancestral home of the Busch family of Anheuser-Busch fame and former homestead of Ulysses S. Grant, houses more than 100 species of animals. Visitors can enjoy a guided tour through the 160-acre Deer Park, a petting zoo, and chance to see the famous Clydesdales.

The World Chess Hall of Fame exhibits collections highlighting the rich cultural history of chess. Six of the world’s top 10 grandmasters competed here in 2014.

The World Bird Sanctuary, located in west St. Louis County, is a one-of-a-kind wildlife experience dedicated to the conservation of birds that covers 305 acres and is home to more than 200 animals.

Countless public parks dot the landscape of the city and county of St. Louis. With walking trails, green space, pavilions for rent, swimming pools, playground equipment, and more, there are lots of opportunities to get outside. Parks, streams, and rivers in surrounding counties provide easy access to hiking, camping, canoeing, and fishing.

Dozens of wineries are within a close drive of St. Louis.

The Katy Trail is the longest rails-to-trails conversion in America. Bikers and walkers enjoy the trail’s 240 miles of scenic landscape.

Lake of the Ozarks, located three hours from St. Louis, comprises more than 1,000 miles of shoreline. Boating, hiking, sight-seeing, and just plain relaxing are popular activities for visitors.
ANNUAL ST. LOUIS EVENTS

The Loop Ice Carnival
Mid-January
The Loop Neighborhood
Free
Ice carving demonstrations, “Frozen Bun” runs, ice
slides and live entertainment are part of the fun of
the carnival in this eclectic neighborhood.

Soulard Mardi Gras Events
January/February
Soulard Neighborhood
Free
A multi-week celebration, Mardi Gras in St. Louis —
the second largest in the nation after New Orleans —
includes parades, live music and pub crawls on the
streets of this historic district.

St. Patrick’s Day Parade and Run
Mid-March
Downtown St. Louis
Free
You don’t have to be Irish to enjoy the floats, the
music and step dancers with this event, which also
includes a five-mile run before the parade.

GO! St. Louis Marathon & Family Fitness Weekend
April
Downtown St. Louis
This family fitness event includes a marathon, half
marathon, marathon relay, 5K run/walk, children’s fun
run, mature mile and fitness expo.

St. Louis Earth Day Festival
Late April
Forest Park
Free
Celebrate Earth while learning about ecological
resources, products and services.

Twilight Tuesdays Ameren Concert Series
Late April/early June
Missouri History Museum front lawn
Free
Bring a picnic dinner or buy from food trucks as you
listen to music under the stars.

Saint Louis BluesWeek Festival
Late May
Chesterfield Central Park
This two-day celebration of St. Louis’ Blues heritage
also includes a free two-day music festival in downtown St. Louis.

Shakespeare Festival St. Louis
Late May through mid-June
Forest Park
Free
Bring a picnic basket or purchase a box dinner on site
as you watch a live performance of Shakespeare under the
stars in Forest Park.

St. Louis Ribfest
Memorial Day Weekend
St. Charles
Free
This four-day family-friendly food/craft/music
festival includes a variety of food vendors, including
national BBQ champions and some favorite local
restaurants. Live music is played on two stages
throughout the weekend; the event includes craft
beer for adults and a large children’s play area.

PrideFest St. Louis
June
Soldiers Memorial
Free
This celebration of gay, lesbian and transgender culture
includes a parade and hours of live entertainment
featuring a variety of music venues.

St. Louis Brewers Heritage Festival
June
Downtown
Sample more than 100 beers including some from
local craft brewers during this event, which also
features food and music.

Circus Flora
June
Grand Center Arts and Entertainment District
Enjoy St. Louis’ own one-ring circus under an
air-conditioned big top.

Whitaker Jazz Festival
June-July
Missouri Botanical Garden
Free
Watch a popular film in the great outdoors while
dine — bring your own food or enjoy fare from
a variety of local food trucks.

Art Hill Film Series
Fridays in July
Saint Louis Art Museum
Free
This three-day event around Independence Day
features live music, food, air shows and much more.

Fair Saint Louis
July
Forest Park
Free
This multi-ethnic celebration features international
dancers, musicians and food.

Festival of Nations
Late August
Tower Grove Park
Free
This multi-ethnic celebration features international
dancers, musicians and food.

Big Muddy Blues Festival
Labor Day Weekend
Laclede’s Landing
Free
This blues festival takes place along the banks of
the Mississippi River and features national and local
bands on multiple outdoor stages.

Japanese Festival
Labor Day Weekend
Missouri Botanical Garden
Free
This St. Louis favorite celebrates Japanese culture
with art exhibits, tea ceremonies, traditional music,
dancing and food.

LouFest Music Festival
September
Forest Park
This weekend event features 30+ bands across four
stages, art markets, food and more.

Saint Louis Art Fair
September
Downtown Clayton
Free
Fine arts and crafts from visual artists across the
country come to display and sell their wares at this
upscale event.

Great Forest Park Balloon Race
September
Forest Park
Free
Preceded by a balloon-glow the night before, the race
touts itself as the oldest and most well-attended free
hot-air balloon event in the world.

Budweiser Taste of St. Louis
Mid-September
Chesterfield Amphitheater
Free
Voted as the best local food event, this extravaganza
features the best St. Louis restaurants and a culinary
competition among chefs.

Q in the Lou
Late September
St. Louis Soldiers Memorial
This autumn BBQ festival marks St. Louis as the third
point of what St. Louis barbecue legend Mike Emerson
has dubbed the “Barbecue Triangle” along with Memphis
and Kansas City.

Scottish Games
Late September
Near Spirit of St. Louis Airport (Chesterfield)
Come watch this world champion sporting event that
draws global competition to St. Louis. The two-day
celebration includes Highland dancing, Celtic rock,
Scottish folk music and more than 120 pipers and
 drummers.

Historic Shaw Art Fair
October
Shaw Neighborhood
A variety of premier artists from around the country
sell their wares during this popular art fair held in a
historic tree-lined neighborhood.

Best of Missouri Market
October
Missouri Botanical Garden
More than 120 Missouri food producers and artisans
gather and sell their products and goods in this
signature three-day event.

Whitaker St. Louis International Film Festival
November
St. Louis region
This 10-day festival features films from every genre
at theaters throughout the St. Louis region.

First Night St. Louis
December 31
Downtown
This alcohol-free event heralds in the New Year with
entertainers performing indoors and outdoors over
several blocks. It includes fireworks displays at 9 pm
and midnight.