Stanford Radiology’s Newest Pioneers 2010-2015
IT IS SAID THAT A UNIVERSITY IS “ETERNALLY YOUNG”, a phenomenon that is the result of continuous refreshing with new students entering and graduating at all levels of education and training (undergraduate, graduate, post-doctoral, resident, and fellow). I feel Stanford is also eternally young because of the continuous revitalization of its most critical resource, the faculty. Without the incorporation of new faculty into the Department, there is no revitalization and little promise for future development and expansion into new and different directions. In this document, we present all faculty who have been recruited to Stanford Radiology over the period 2010-2015. As you will see, there is a great diversity of expertise and experience brought to Stanford University by the individuals selected.

I want to thank the many search committees for their tireless efforts that have helped to recruit to Stanford Radiology some of the best faculty in the world. It takes significant effort to implement all the steps of a thorough search including designing the search, outreach, interviewing faculty, making difficult decisions, convincing a given candidate to join the Department, and also completing the rigorous academic appointment administrative process. These academic appointments would not be possible without the efforts of many existing faculty and the Advancement & Promotions staff who have worked very hard to bring all of these recruits to Stanford. I also want to thank the new recruits who made the decision to join the Stanford Department of Radiology. Many of our newest faculty had several choices for their next professional home, and I am thankful for their trust in Stanford University, the School of Medicine, and for choosing to become a member of the Stanford Radiology family.

A Radiology Department can only achieve its multiple missions through the recruitment of great clinicians, educators, clinician-scientists, and basic scientists. We have recruited wonderfully talented individuals for each of these important categories with newcomers from all over the world to truly represent our growing global society. We are indeed well positioned for greatly impacting the future of healthcare together.

Sanjiv Sam Gambhir M.D., Ph.D.
Virginia and D. K. Ludwig Professor of Cancer Research
Chair, Department of Radiology
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Learn more

If you’re interested in a more complete overall summary of the Stanford Department of Radiology, please visit our Web site to view our 2014-15 Annual Report.

http://radiology.stanford.edu/about/annualreport/

The Annual Report includes a complete listing of Faculty appointments, descriptions of our translational research, our training programs, newly acquired equipment and space, along with detail about each of our clinical sections, research labs and listing of sponsored research.
Hans-Christoph Becker, MD | Cardiovascular Imaging 2014

Dr. Hans-Christoph Becker (“Christoph”) joined our department as Professor of Radiology (2014). Dr. Becker was previously Professor of Radiology and Section Chief of Body CT and PET in the Department of Clinical Radiology at University Hospital of Grosshadern, Ludwig-Maximilians-University Munich, Germany. He is a world-renowned expert and pioneer of cardiac CT with a specific focus on noninvasive cardiac imaging. He managed the CT radiology research facility with more than 90 active clinical trials. His primary research is focused on cardiac CT (including perfusion), rotating C-arm CT for intervention, phase IV clinical contrast media studies and radiation protection. Dr. Becker received his MD (1993) and completed his radiology residency training (2001) from Ludwig-Maximilians University.


Heike Daldrup-Link, MD, PhD | Pediatric Imaging 2010

Dr. Heike Daldrup-Link joined our department in 2010 as an Acting Associate Professor and was appointed Associate Professor of Radiology in 2011. She was on the faculty at UC San Francisco from 2003 to 2010. Dr. Daldrup-Link’s research interest focuses on the intersection of cell biology, nanomedicine, and medical imaging to develop novel platforms for detection and in vivo tracking of stem cells, immune cells, and cancer cells. Several of her novel, patented technologies for cancer imaging and stem cell imaging have been successfully translated from her basic science laboratory to clinical imaging applications. She received her MD at the University of Münster, Germany (1993); completed her internship (1992-1993) in Herford, Zürich and Münster; her radiology residency (1994-1995, 1997-2001) from the University Hospitals of Münster and the Technical University of Munich, Germany; completed her research fellowship at UCSF (1996); a fellowship in Pediatric Radiology at the Schwabing Children’s Hospital (“Kinderklinik Schwabing”) at the Technical University of Munich, Germany (2001-2003).

Dr. Andrei Iagaru was appointed Assistant Professor in 2010 and was promoted to Associate Professor in 2014. He is currently the Co-Chief of the Division of Nuclear Medicine & Molecular Imaging. Dr. Iagaru received his MD from the Carol Davila University of Medicine, Bucharest, Romania (2000), and completed an internship at Drexel University College of Medicine (2004). He began his residency at the University of Southern California (USC) Keck School of Medicine, in the Division of Nuclear Medicine, where he was the chief resident. Dr. Iagaru finished his residency (2006) and completed a PET/CT fellowship (2007) at Stanford University’s School of Medicine in the Division of Nuclear Medicine.

Diego Jaramillo, MD, MPH | Veterans Affairs and Pediatric Imaging 2015

In 2015, Dr. Diego Jaramillo joined our department as a Professor of Radiology and the new Chief of Radiology Service at the VA Palo Alto Health Care System. In addition to his VA role, he will serve as the Chief of Pediatric Musculoskeletal Imaging program at Lucile Packard Children’s Hospital at Stanford University. Dr. Jaramillo previously held faculty appointments at Harvard and most recently was Professor of Radiology, Radiologist-in-Chief and Van Alen Chair of Radiology at The Children’s Hospital of Philadelphia (CHOP), University of Pennsylvania School of Medicine. Dr. Jaramillo’s greatest expertise and scientific contributions are in the areas of imaging of musculoskeletal disorders of childhood and pediatric magnetic resonance imaging. Dr. Jaramillo, who received the Pioneer Award of the Society for Pediatric Radiology in 2014, was elected to become president of the Society for Pediatric Radiology (SPR) in 2017. He obtained his MD at the Universidad Javeriana in Bogota, Colombia (1981). Between 1983 and 1989, he was a resident in Diagnostic Radiology at the University of Texas in Houston, and a fellow in Pediatric Radiology at the Children’s Hospital in Boston. Dr. Jaramillo obtained a master’s degree in Public Health at the Harvard School of Public Health in 2002.


Curtis Langlotz, MD, PhD | IBIIS and BMIR 2014

Dr. Curtis Langlotz joined our department in 2014 as Professor of Radiology and Associate Chair for Information Systems. In addition to his Radiology appointment, Dr. Langlotz has a secondary appointment with the Stanford Center for Biomedical Informatics Research in the Department of Medicine. Dr. Langlotz has led many national and international efforts to improve the quality of radiology reports, including the RadLex terminology standard, the RadLex Playbook of radiology exam codes, and the report template library of the Radiological Society of North America. He was previously Professor and Vice Chair of Informatics in the Department of Radiology at the University of Pennsylvania. He received his undergraduate degree (1981) in Human Biology, masters in Computer Science (1983), MD (1989), and PhD in Medical Information Science (1989), all from Stanford University.


David Larson, MD, MBA | Pediatric Imaging 2013

Dr. David Larson joined our department as Associate Professor of Radiology and Associate Chair of Performance Improvement (2013). Dr. Larson previously was Assistant Professor and the Janet L. Strife Chair for Quality Improvement and Safety in Radiology at Cincinnati Children’s Hospital, Cincinnati, Ohio. Dr. Larson completed his undergraduate degree in Mechanical Engineering at Brigham Young University (1997) and joint MD/MBA degrees at Yale (2002). He completed his residency in diagnostic radiology (2007) and pediatric radiology fellowship (2008) at the University of Colorado. At Cincinnati Children's, he developed an automated system for CT radiation dose monitoring and optimization. Dr. Larson works closely with faculty, staff, and administration to improve performance at SHC and LPCH and co-directs the Clinical Effectiveness Leadership Training course at Stanford School of Medicine.


Andreas Loening, MD, PhD | Body Imaging/Body MRI 2015

Dr. Andreas Loening joined our department in 2015 as an Assistant Professor. He was previously a Clinical Instructor in our Body MRI and Body Imaging sections, a position he held for almost a year. Dr. Loening received his BS degree (1998) and MEng degree (1999) from MIT in Electrical Engineering. He enrolled in the UCLA Medical Scientist Training Program in 1999, and transferred to Stanford University in 2003 where he completed his PhD in Bioengineering (2006) and his MD (2008). He completed a transitional internship at the University of Hawaii from 2008 to 2009, followed by radiology residency and then Body MRI fellowship, both at Stanford, from 2009 to 2014.

Matthew Lungren, MD, MPH | Pediatric Imaging 2014

Dr. Matthew Lungren joined our faculty as Assistant Professor in 2014 following a one year fellowship in pediatric radiology and pediatric interventional radiology at Cincinnati Children’s Hospital. Dr. Lungren received his BA degree, magna cum laude, in English Literature and BS degree in Biology from Arizona State University in 2002. He went on to University of Michigan Medical School where he graduated cum laude and Alpha Omega Alpha in 2007, also receiving the University’s radiology outstanding scholar award. He completed a transitional Internship at Oakwood Hospital, Dearborn MI, 2007-2008, and completed his radiology residency at Duke University 2008-12 where he was chief resident. He completed a one year adult IR fellowship at Duke University in 2012-2013 and received his MPH from the University of North Carolina Gillings School of Global Public Health in 2014.


Amelie Lutz, MD | Musculoskeletal Imaging 2011

In 2011, Dr. Amelie Lutz joined our department as an Assistant Professor of Radiology. Her research interests are in molecular imaging in oncology, cellular imaging of musculoskeletal inflammatory diseases, kinematic musculoskeletal imaging, and MRI of hepatic disorders. She received her MD from Albert Ludwigs Universitaet Freiburg (1998) and completed an internship from the University Hospital Freiburg (2000), her residency from University Hospital of Zurich (2005), a clinical fellowship in body imaging and musculoskeletal imaging from Kantonal Hospital Frauenfeld (2006) and a research fellowship (2009) from Stanford in the Molecular Imaging Program. Dr. Lutz was a clinical instructor in our department from 2009 to 2011.

Tarik Massoud, MD, PhD | Neuroimaging & Neurointervention 2013

Dr. Tarik Massoud joined our department as a Professor of Radiology (2013). His current interests are in molecular and translational imaging of the brain especially in neuro-oncology and cerebrovascular diseases, experimental aspects of neuroimaging, clinical neuroradiology, neuroradiological anatomy, and research education and academic training of radiologists. Dr. Massoud received his MB BCh, BAO, LRCPI, LRCSI from the Medical School of the Royal College of Surgeons in Ireland, Dublin, and the National University of Ireland, Medicine (1984). He then completed a residency and fellowship from John Radcliffe Hospital, Oxford (1992). Dr. Massoud completed a research fellowship from UCLA (1993) and a clinical fellowship from the University of Michigan Medical Center (2000). In 2007, he returned to the University of Cambridge for his PhD in Molecular Imaging and Biology.


Eben Rosenthal, MD | Molecular Imaging Program 2015

Dr. Eben Rosenthal joined the department in 2015 as a Professor of Otolaryngology and of Radiology within the Molecular Imaging Program at Stanford. He is the Ann Doerr Medical Director of the Stanford Cancer Center and specializes in the treatment and reconstruction of head and neck cancer patients. He has a strong interest in the development of new strategies to surgically repair complex head and neck defects to improve functional and cosmetic outcomes. Dr. Rosenthal received his BA (1988) from Haverford College, his MD (1994) and completed his radiology residency (2000) from University of Michigan Medical School. He attended Oregon University for his Fellowship (2001).

Avnesh Thakor, MD, PhD | Pediatric Imaging and Interventional Radiology 2015

Dr. Avnesh Thakor joined our department in 2015 as Assistant Professor in our Pediatric Imaging and Interventional Radiology sections. Prior to joining, he completed both a Pediatric Interventional Radiology fellowship at SickKids Hospital, Canada (2014-2015) and an Adult Interventional Radiology fellowship at Vancouver General Hospital, Canada (2013-2014). Dr. Thakor received his BA (2001) and a combined MBChir, PhD degree (2006), all from Cambridge University, UK. Following training, Dr. Thakor completed an internship in general medicine/surgery, a radiology residency, and an Interventional Radiology fellowship at Cambridge University (2006-2013). He also earned an MA, an MSc degree in Cancer Therapeutics from the University of London (2010) and a research MD degree (2013) from Cambridge University which was combined with post-doctoral research at the Molecular Imaging Program at Stanford University.


Max Wintermark MD, MAS, MBA | Neuroimaging & Neurointervention 2014

Dr. Max Wintermark joined our department as Professor of Radiology and section chief of Neuroimaging & Neurointervention in 2014. He was previously Associate Professor of Radiology at the University of Virginia where he also served as the section chief of Neuroradiology. Dr. Wintermark is the chair of the research committees of the American Society of Neuroradiology (ASNR) and of the American Society of Functional Neuroradiology (ASFNR). Dr. Wintermark is the chair of the American College of Radiology Imaging Network (ACRIN) neuro committee, the chair of the imaging core of the NINDS-funded StrokeNet clinical trial network and the co-chair of the Stroke Imaging Research (STIR) group. Dr. Wintermark has specific interest and expertise in stroke, traumatic brain injury, epilepsy, movement disorders and psychiatric disorders.

Dr. Wintermark completed his MD (1998), fellowship in Neuroradiology (1999) and radiology residency (2003) from the University of Lausanne, Switzerland. In 1999, he received a PhD in Biomedical Engineering from the Swiss Federal Institute of Technology, Switzerland (1999). He completed his internship from the Hospital of Nyon (2000), fellowship in Neuroradiology from UCSF (2003), and an Emergency Radiology fellowship from University of Maryland, Baltimore (2003).

Michael Zeineh, MD, PhD  |  Neuroimaging & Neurointervention 2010

Dr. Michael Zeineh joined the Department of Radiology as an Assistant Professor of Neuroimaging & Neurointervention (2010). Combining clinical acumen in neuroradiology with advanced MRI acquisition and image processing as well as histologic validation, Dr. Zeineh hopes to advance the care of patients with neurodegenerative disorders. Dr. Zeineh received a BS in Biology at California Institute of Technology in 1995 and obtained his MD-PhD from UCLA in 2003. After an internship, also at UCLA (2004), he went on to complete a radiology residency (2008) and neuroradiology fellowship (2009) both at Stanford University.


New Basic Scientists

Frederick Chin, PhD | Molecular Imaging Program 2013

Dr. Frederick Chin joined our department as an Assistant Professor within the Molecular Imaging Program (2013). His research focuses on advancing radiopharmaceutical sciences for the expanding field of molecular imaging. His lab designs and synthesizes novel radioligands/radiotracers that bind to molecular targets related to specific nervous system (central and peripheral) disorders and cancer biology. Dr. Chin received his BS in Chemistry, with honors, from Indiana University (1991) and his PhD in Organic Chemistry/Radiochemistry from Purdue University (2000).


Jeremy Dahl, PhD | Pediatric Imaging and Radiological Sciences Laboratory 2014

Dr. Jeremy Dahl joined our department as Assistant Professor of Radiology on August 1, 2014. Dr. Dahl was most recently an Assistant Research Professor in the Department of Biomedical Engineering at Duke University. He received his undergraduate degree in Electrical Engineering from University of Cincinnati in 1999 and his PhD in Biomedical Engineering at Duke in 2004. Dr. Dahl’s research interest is in diagnostic ultrasound imaging. He is PI on two active NIH R01 grants and was Co-PI on a Coulter Foundation grant and PI on an NIH R21. He will be applying his unique knowledge to build bridges between the basic sciences and clinical pediatric imaging, as well as other areas of biomedical imaging (e.g., body imaging, molecular imaging, interventional radiology).

Utkan Demirci, PhD | Canary Center 2014

Dr. Utkan Demirci joined our department as an Associate Professor of Radiology with tenure at the Canary Center at Stanford for Cancer Early Detection in 2014. Prior to his Stanford appointment, he was an Associate Professor of Medicine at Harvard. He leads a group of 20+ researchers focusing on micro- and nano-scale technologies. He received his BS degree in Electrical Engineering in 1999 as a James B. Angell Scholar (summa cum laude) from University of Michigan, Ann Arbor. He received his masters in Electrical Engineering (2001), his masters in Management Science and Engineering (2005), and his PhD in Electrical Engineering (2005), all from Stanford University.


Scott Hsieh, PhD | Radiological Sciences Laboratory 2015

Dr. Scott Hsieh joined our department as an Instructor within the Radiological Sciences Laboratory (2015). Dr. Hsieh works on improving various aspects of CT scanners by making them safer and more accurate. This includes the invention of new hardware to decrease radiation exposure and scatter, the design of new detector systems that offer higher resolution and spectral imaging, and the analysis of reconstruction algorithms that can deliver better image quality. Dr. Hsieh received his BS in Applied Physics and Business Economics and Management from California Institute of Technology (2008). He completed his MS (2010) and PhD (2013), both in Electrical Engineering, from Stanford University.

Michelle James, PhD | Molecular Imaging Program 2013

In 2013, Dr. Michelle James joined the department as an Instructor within the Molecular Imaging Program at Stanford. Prior to coming to Stanford, she attended the University of Sydney receiving her BS in Pharmacology/Medicinal Chemistry (2004) and her PhD in Pharmacology/Radiochemistry (2008). Dr. James has a secondary appointment in Neurology & Neurological Sciences.


Sri-Rajasekhar Kothapalli, PhD | Molecular Imaging Program 2014

Dr. Sri-Rajasekhar (Raj) Kothapalli joined the department in March 2014 as an Instructor in the Molecular Imaging Program at Stanford. Dr. Kothapalli received a BS in Math, Physics, Chemistry from Nagarjuna University, Andhra Pradesh, India (1995), MSc in Nuclear Physics from Andhra University, Andhra Pradesh, India (1997), M.Phil in Condensed Matter Physics from University of Hyderabad, India (1998) and a M.Tech in Applied Optics from Indian Institute of Technology, Delhi, India (2000). He completed his MS in Applied Physics at the University of Massachusetts (2004) followed by his PhD in Biomedical Engineering at Washington University in St. Louis in 2009. As a postdoc at Stanford, mentored by Dr. Sanjiv Gambhir, he developed and translated a novel transrectal ultrasound and photoacoustic imaging system for prostate cancer screening, collaborating with Dr. Khuri-Yakub (Electrical Engineering) and Drs. James Brooks and Joe Liao (Urology). His current research work focuses on dual modality ultrasound and photoacoustic imaging systems for other clinical and pre-clinical applications.

Parag Mallick, PhD | Canary Center 2011

Dr. Parag Mallick joined our department as an Assistant Professor of Radiology and a faculty member of the Canary Center at Stanford for Cancer Early Detection (2011). Prior to joining Stanford Radiology, he was Assistant Professor at USC and UCLA. Dr. Mallick received his BS in Computer Science from Washington University in St. Louis. He then completed his doctoral studies with David Eisenberg at UCLA. After completing his PhD, he trained with Ruedi Aebersold in clinical proteomics and systems biology at the Institute for Systems Biology in Seattle, WA. His research focuses on translating multi-omic discovery into precision diagnostics. His lab uses integrative, multi-omic approaches to model the processes that govern proteome dynamics and then uses those models to discover cancer biomarkers and mechanisms.


Jennifer McNab, PhD | Radiological Sciences Laboratory 2012

Dr. Jennifer McNab joined our department as an Assistant Professor of Radiology and a faculty member of the Radiological Sciences Laboratory (2012). She received a BSc in Physics from the University of British Columbia (2003) and a MSc in Medical Physics from the University of Western Ontario (2005). Dr. McNab received her PhD from the University of Oxford (2009) and was a postdoctoral researcher in the Oxford Centre for Functional MRI of the Brain (FMRIB) from 2008-2009. Prior to her Stanford University appointment, Dr. McNab was a Research Fellow at Athinoula A. Martinos Center for Biomedical Imaging at Harvard.

Kerstin Mueller, PhD | Radiological Sciences Laboratory 2015

Dr. Kerstin Mueller joined the department in 2015 as an Instructor in the Radiological Sciences Laboratory. She received her diploma degree in Electrical-Electronic Communication Engineering in 2010 and her doctoral degree in medical imaging in 2014 from the Friedrich-Alexander-Universität Erlangen-Nürnberg. Dr. Mueller’s PhD project focused on motion estimation and compensation of cardiac chambers in interventional radiology, which provided strong collaboration opportunities with the Siemens Healthcare GmbH, Forchheim.


Seung-min Park, PhD | Molecular Imaging Program 2014

Dr. Seung-min Park joined the department in 2014 as an Instructor within the Molecular Imaging Program at Stanford. In 2002, Dr. Park obtained his BS in Physics from Seoul National University. He received his PhD in Applied Physics at Cornell University (2008), completed his postdoctoral training in Bioengineering at UC Berkeley (2014), and served as a Visiting Scholar in MIPS (2013-14). Dr. Park’s research focuses on cancer diagnostics via liquid biopsy and single circulating tumor cell analysis, as a part of the Center for Cancer Nanotechnology Excellence and Translational Diagnostics (CCNE-TD).

Sharon Pitteri, PhD | Canary Center 2010

Dr. Sharon Pitteri joined the department in 2010 as an Assistant Professor within the Canary Center at Stanford for Cancer Early Detection. Dr. Pitteri’s research is focused on the discovery and validation of proteins and other molecules that can be used as indicators of cancer risk, diagnosis, progression, prognostication, and recurrence. Proteomic technologies, predominantly mass spectrometry, are used to identify proteins in the blood that are differentially regulated and/or post-translationally modified with disease state. A major goal of this research is to define novel molecular signatures for breast, prostate, and ovarian cancers, including particular sub-types of these diseases. Dr. Pitteri received a BA Chemistry (2001) from Carleton College, her PhD in Chemistry from Purdue University (2005) and completed her postdoctoral research at Fred Hutchinson Cancer Research Center (2010).


Bryan Smith, PhD | Molecular Imaging Program 2015

Dr. Bryan Smith joined the department in 2015 as an Instructor in the Molecular Imaging Program at Stanford. Dr. Smith received his BS in Physics, Mathematics, and Biomedical Engineering in 2000 from Tufts University. He received his PhD in Biomedical Engineering as an NSF Fellow from The Ohio State University in 2006. He then joined the MIPS group as a postdoctoral scholar in the Stanford Molecular Imaging Scholars (SMIS) program. Dr. Smith was awarded a Stanford Dean’s Fellowship, and then an NIH K99 Pathway to Independence Award for his work in nanomedicine.

H. Tom Soh, PhD | Canary Center 2015

In 2015, Dr. H. Tom Soh joined our department as Professor of Radiology and of Electrical Engineering (joint appointment). Previously, he was the Ruth Garland Endowed Chair of Materials and Mechanical Engineering at UCSB. Dr. Soh received his BS with a double major in Mechanical Engineering and Materials Science with distinction from Cornell University (1992), and his MS & PhD (1999) degrees in Electrical Engineering from Stanford University. Among many honors, he is a John Simon Guggenheim Fellow (2010), Alexander von Humboldt Fellow (2012) and a Fellow of the American Institute for Medical and Biological Engineering (2015).


Tanya Stoyanova, PhD | Canary Center 2015

Dr. Tanya Stoyanova joined the department in 2015 as an Assistant Professor within the Canary Center at Stanford for Cancer Early Detection. Dr. Stoyanova received a BS in Ecology and Protection of the Environment from the Technical University of Varna, Bulgaria (2002), and a BS in Genetics from the University of Kansas (2003). She obtained her PhD from the University of Illinois at Chicago (2009), where she investigated molecular mechanisms underlying skin cancer development. As a postdoctoral fellow at UCLA, she studied the role of the cell surface glycoprotein Trop2 and found that Trop2 is a key regulator of prostate stem cell self-renewal activity and tumorigenesis and described a detailed mechanism of action through proteolytic cleavages. Dr. Stoyanova has since extended her studies to other receptors activated through proteolytic cleavages such as the Notch family of receptors. Dr. Stoyanova also investigates the molecular basis of prostate cancer heterogeneity and has recently demonstrated a critical role of the eIF4E-driven translation control pathway in prostate cancer propagating cells, reported in the Proceedings of the National Academy of Sciences.

Dr. Cristina Zavaleta joined our department as an Instructor of Radiology (2012). Dr. Zavaleta received her BA in Nuclear Medicine from the University of Incarnate Word, San Antonio, Texas. In 2004, she completed her PhD from University of Texas Health Science Center in San Antonio, Texas, and continued her research as a postdoctoral fellow in the Molecular Imaging Program at Stanford.


New Clinician Educators

Audra Brunelle, MD | Breast Imaging 2015

Dr. Audra Brunelle joined the department as a Clinical Instructor of Breast Imaging effective July 1, 2015. In 2005, she received her BS in Biochemistry from Purdue University. Dr. Brunelle attended Indiana University School of Medicine where she received her MD (2009) and completed her radiology residency in 2014. She completed her fellowship in Women’s Imaging from the UC San Francisco in June 2015.

Johanna Chang, MD | Pediatric Imaging 2015

In 2015, Dr. Johanna Chang joined our department as a Clinical Instructor of Pediatric Imaging. Dr. Chang attended Brown University where she received a BA in Anthropology (2003). She received her MD from Albany Medical College (2008) and completed her internship from California Pacific Medical Center (2009). In 2013, Dr. Chang completed her radiology residency from Harbor UCLA Medical Center followed by a fellowship in Pediatric Radiology at Stanford University (2014).

Joan Cheng, MD | Body Imaging 2015

Dr. Joan Cheng joined the department in 2015 as a Clinical Instructor within the Body Imaging Section. She attended Harvard College where she graduated magna cum laude with an AB in Chemistry (2002). In 2006, she received her MD from the University of Michigan Medical School and went to New York Medical College for her Internship (2007). In 2012, Dr. Cheng completed her residency at Columbia University Medical Center followed by fellowships at the Dana Farber Cancer Institute in 2013 and the Boston Medical Center in 2014.


Haiwei Henry Guo, MD, PhD | Thoracic Imaging 2012

Dr. Henry Guo joined the department in 2012 as a Clinical Instructor and was promoted in 2014 to Clinical Assistant Professor in Thoracic Imaging. Dr. Guo received his BS in Molecular Biology from MIT (1997) and, his MD (2004) and PhD (2006) through the Medical Scientist Training Program at University of Washington. Soon after, Dr. Guo completed his internship at Scripps Mercy Hospital (2007) and both his residency (2011) and fellowship (2012) from Stanford University School of Medicine.

- Guo HH, Moradi F, Iagaru A. Incidental extra-skeletal CT findings on 18F-NaF PET/CT performed for osseous metastatic disease evaluation: frequency in 130 patients. (submitted)
Safwan Halabi, MD | Pediatric Imaging 2015

Dr. Safwan Halabi joined the department as a Clinical Assistant Professor in Pediatric Imaging in 2015. He was also named the Pediatric Radiology Informatics Director at Lucile Packard Children’s Hospital. Dr. Halabi received his BS in Molecular Genetics from Ohio State University (1997); his MD from the University of Toledo, College of Medicine in 2001; completed an internship and residency at the Henry Ford Health System in Michigan; and completed a pediatric imaging fellowship in 2007 at the Cincinnati Children’s Hospital and Medical Center. With a clinical focus in fetal and perinatal imaging, Dr. Halabi also joins the fetal imaging group at the Perinatal Diagnostic Center. His research interests in data mining, outcomes, patient-centric care, and clinical decision support will fill a significant need in the department and at LPCH.

- Kelley B, Klochko C, Halabi S, Siegal D. “Data Fish Pro”: A Multiphase Data Mining Technique to Match Multiple Mutually Inclusive Variables in Large PACS Database. J Digit Imaging, 2015 (accepted for publication).

Jeremy Heit, MD, PhD | Neuroimaging & Neurointervention 2015

Dr. Jeremy Heit joined the department in 2015 as a Clinical Instructor of Neuroimaging & Neurointervention. He specializes in treating stroke, brain aneurysms, brain arteriovenous malformations, brain and spinal dural arteriovenous fistulae, carotid artery stenosis, vertebral body compression fractures, and congenital vascular malformations. Dr. Heit received his BA in Biochemistry, and Molecular, Cellular, and Developmental Biology from University of Colorado at Boulder in 2000, his PhD in Developmental Biology from Stanford University in 2007 and his MD in 2008. He completed residency training at Massachusetts General Hospital before returning to Stanford where he completed his fellowship in neurointerventional radiology.

Michael Iv, MD | Neuroimaging & Neurointervention 2013

Dr. Michael Iv joined the department in 2013 as a Clinical Instructor and was promoted in 2015 to Clinical Assistant Professor in Neuroimaging & Neurointervention. He specializes in advanced diagnostic imaging of the brain, spine, and head and neck with clinical and research interests in vascular and brain tumor imaging. Dr. Iv received his BS in Biomedical Sciences from UC Riverside (2002) and his MD from UCLA (2006). He then completed residency training at Santa Clara Valley Medical Center in 2011 and subsequent neuroimaging fellowship at Stanford University in 2013.


Christine Kim, MD | Neuroimaging & Neurointervention 2015

Dr. Christine Kim joined the department in 2015 as a Clinical Instructor of Neuroimaging & Neurointervention. Dr. Kim received an AB in Biology from the University of Chicago (2001). She received her MD in 2007 and completed residency training at the University of Connecticut in 2009. Following residency training, Dr. Kim completed a fellowship in interventional radiology at the University of Washington Medical Center (2013), followed by a neuroradiology fellowship at Stanford University (2015).

In 2015, Dr. Charles Lau joined our department as a Clinical Assistant Professor (Affiliated) at the VA Palo Alto Health Care System. He was previously an Instructor at University of Pennsylvania from 2008-09 and most recently Assistant Professor at Case Western University and Chief of Thoracic Imaging at Cleveland Clinic. In 1996, Dr. Lau received his BS in Chemical Engineering from University at Buffalo. He received his MD from State University of New York at Buffalo in 2000 and completed his residency training in 2005 at the University of Pennsylvania, where he was also chief resident. He also completed a fellowship in Vascular and Interventional Radiology at University of Pennsylvania (2006) and a fellowship in Cardiothoracic Imaging (2009). Dr. Lau also received his MBA from Cleveland State University (2011).


Dr. Linda Morimoto joined the department as a Clinical Instructor in 2012 and was promoted to Clinical Assistant Professor of Body Imaging and Breast Imaging in 2015. In 2001, Dr. Morimoto received her BA in Molecular and Cell Biology from UC Berkeley. She received her MD from the Keck School of Medicine University of Southern California (2006), her residency training from Santa Clara Valley Medical Center (2011) and her fellowship training from Stanford University in 2014.


Michelle Nguyen, MD | Musculoskeletal Imaging (VA) 2014

Dr. Michelle Nguyen joined the department in 2014 as a Clinical Assistant Professor (Affiliated) in the VA Palo Alto Health Care System. Dr. Nguyen received a BS, with honors from UC Davis in 1997. She began her MD education at Georgetown University and received her degree from Stanford University (2003). Dr. Nguyen attended the UC San Diego for both her residency (2008) and musculoskeletal imaging fellowship (2009).


Geoffrey Riley, MD | Musculoskeletal Imaging 2012

In 2012, Dr. Geoffrey Riley joined the department as a Clinical Associate Professor in Musculoskeletal Imaging. Dr. Riley received his Bachelor degree from UCSB in 1986 and his MD from Creighton University School of Medicine in 1992. He completed his residency in diagnostic radiology (1997) and a fellowship in magnetic resonance imaging/musculoskeletal imaging (1998) at UC Davis Medical Center. Prior to joining Stanford University, Dr. Riley was President and Partner of Imaging Partners Medical Group and Associate Clinical Professor of Radiology at UC San Francisco and UC Davis.

F. Glen Seidel, MD | Pediatric Imaging 2013

Dr. F. Glen Seidel joined the department in 2013 as a Clinical Professor of Pediatric Imaging and Clinical Chief of Pediatric Interventional Radiology at LPCH. Dr. Seidel attended Reed College, Portland, Oregon where he completed his BA in Chemistry (1972). He attended the University of Minnesota where he received his MD (1977), internship (1978), residency (1979) and fellowship in neonatology (1980). He completed a second fellowship in pediatric radiology from the Cincinnati Children’s Hospital (1984). As a new member of the Lucile Packard Department of Radiology, Dr. Seidel offers his extensive knowledge and expertise of general pediatric radiology with an added area of proficiency in interventional pediatric radiology. In addition to being an accomplished pediatric radiologist, Dr. Seidel is also experienced as a Section/Department lead and as a mentor and instructor for residents and fellows.


Rajesh Shah, MD | Interventional Radiology 2011

Dr. Rajesh Shah joined the department as a Clinical Assistant Professor of Interventional Radiology in 2011 and is Chief of Interventional Radiology services at the VA Palo Alto Health Care System. Dr. Shah received his BS in Electrical Engineering from University of Illinois at Urbana-Champaign, Urbana, Illinois (1999), and his MD from the University of Chicago Pritzker School of Medicine (2004). He completed his internship from the California Pacific Medical Center (2005), his residency from University of Illinois at Chicago (2009) and his fellowship from Stanford University School of Medicine (2010).

Russell Stewart, MD, MBA | Body Imaging and Musculoskeletal Imaging 2015

In 2015, Dr. Russell Stewart joined the department as a Clinical Instructor in Body Imaging and in Musculoskeletal Imaging. He attended Stanford University for his BS and MS, both in Biological Sciences (2001). Upon completion, he was hired as one of three tight ends and a participant on numerous special teams for the Seattle Seahawks for the National Football League 2001-2002 season. In 2009, he completed his MD and MBA from the University of Chicago. Dr. Stewart returned to Stanford in 2010 where he completed his radiology residency and followed up with a fellowship in musculoskeletal imaging.

Ali Tahvildari, MD | Body Imaging (VA) 2013

Dr. Ali Tahvildari joined the department in 2013 as a Clinical Instructor (Affiliated) in the VA Palo Alto Health Care System. Dr. Tahvildari received his BA in French and BS in Biochemistry in 2002 and his MD in 2007, both from Louisiana State University. He completed his internship (2008) and residency training (2011) from Emory University. In 2012, Dr. Tahvildari completed a fellowship in body imaging from Stanford University.


Christopher Takehana, MD  |  Interventional Radiology  
(SCVMC) 2015

In 2015, Dr. Christopher Takehana joined the department as a Clinical Instructor (Affiliated) at the Santa Clara Valley Medical Center. Dr. Takehana attended USC for his BS (2004), Northwestern University for his MD (2008) and completed both his residency (2013) and fellowship in Interventional Radiology (2014) from Stanford University.


Katherine To’o, MD  |  Body Imaging (VA) 2013

Dr. Katherine To’o joined our department as Clinical Instructor (Affiliated) in 2013 and was promoted to Clinical Assistant Professor (Affiliated) in 2015. In 2000, Dr. To’o completed her BS in Biochemistry and Cell Biology from UC San Diego. She received her MD in 2005 from UCLA, followed by her residency in Diagnostic Radiology at UC San Francisco in 2010, and then she completed a fellowship in Body Imaging at Stanford University in 2011. She was an Assistant Professor of Radiology at the USC from 2011 to 2013. Dr. To’o is currently a Staff Physician at the VA Palo Alto Health Care System.

Eric Tranvinh, MD | Neuroimaging & Neurointervention 2015

Dr. Eric Tranvinh joined the department in 2015 as a Clinical Instructor in Neuroimaging & Neurointervention. Dr. Tranvinh attended UC Berkeley where he completed his BA in Molecular and Cell Biology, Biochemistry (2004). He received his MD from University of Texas Southwestern Medical Center in 2008, completed his residency at University of Texas Health Science Center (2013) and his fellowship at Stanford University (2015).


Clinical Instructor

Long Trinh, MD | Breast Imaging (SCVMC) 2014

Dr. Long Trinh joined the department as a Clinical Instructor (Affiliated) at the Santa Clara Valley Medical Center. Dr. Trinh received both his BS in Molecular & Cellular Biology (2004) and MD (2008) from University of Arizona. He completed both his residency training (2013) and fellowship in mammography from Stanford University (2014).


Clinical Instructor (Affiliated)
Jeffrey Tseng, MD  |  Nuclear Medicine (SCVMC) 2011

Dr. Jeffrey Tseng joined the department in 2011 as a Clinical Assistant Professor (Affiliated) based at SCVMC. Dr. Tseng received his BS in Biochemistry from Case Western Reserve University in Cleveland, Ohio in 1993 and his MD from Yale University School of Medicine in 1997. He completed his radiology residency training from the University of Washington Medical Center (2003), a Nuclear Medicine Fellowship from UCLA (2004) and a Post-Doctoral Research and PET/CT Fellowship from Stanford University (2006).


David Wang, MD  |  Interventional Radiology 2011

Dr. David Wang joined the department in 2011 as a Clinical Instructor of Interventional Radiology and was promoted to Clinical Assistant Professor in 2012. In 1999, he received his BA in Economics and BS in Biological Sciences from Stanford University (1999). Dr. Wang received his MD (2005) followed by his residency training in 2010, both from Stanford, and his fellowship training from University of Pennsylvania Health System (2011).

In 2015, Dr. Johnny Wong joined the department as a Clinical Instructor of Neurosurgery and of Neuroimaging and Neurointervention. Originally from Australia, Dr. Wong graduated from the University of New South Wales with a Bachelor of Science, Bachelor of Medicine, Bachelor of Surgery in 2002. He received his Masters of Medicine (Clinical Epidemiology) in 2009 from the University of Sydney and his PhD in Advanced Medicine from Macquarie University (2013).

New Consulting Faculty

Vikram Bajaj, PhD | 2014

Dr. Vikram Bajaj joined our department as Consulting Associate Professor in 2014. He attended University of Pennsylvania, Philadelphia for his BA and MS. Dr. Bajaj received his PhD degree in 2007 from Massachusetts Institute of Technology. He was a postdoctoral fellow from 2007-2009 and a research scientist from 2010-2013 at the UC Berkeley. Dr. Bajaj is currently employed by Google Life Sciences, as the principal scientist managing life sciences projects at the interface of biomedical sciences, physical sciences, and engineering.


Rebecca Fahrig, PhD | 2015

Dr. Rebecca Fahrig became a Consulting Professor in 2015 after joining Stanford University in 2002 as an Assistant Professor (Research) of Radiology. She rose to the rank of Professor in 2014, but recently took a position as Head of Innovations at Siemens Healthcare, Advanced Therapies Division. Dr. Fahrig received her BS in Physics (1989) and MS in Medical Biophysics (1992) from University of Toronto, and her PhD in Medical Biophysics from the University of Western Ontario (1999).

Arundhuti Ganguly, PhD | 2011

Dr. Arundhuti Ganguly was appointed Consulting Assistant Professor in 2011. She is a Senior Scientist at Varian Medical Systems in Palo Alto. She received her BS (1996) from University of Calcutta, Calcutta, India, her MS (1998) from Indian Institute of Technology (IIT), Kharagpur, India, and her PhD (2003) from State University of New York (SUNY) at Buffalo, NY. She came to Stanford University in 2002 as a postdoctoral fellow in the Radiological Science Lab (RSL) for two years and began her research associate position in 2004. Dr. Ganguly was promoted to Senior Research Associate in 2009 prior to joining Varian.


Shoo-Ming “Eddy” Lee, PhD | 2011

Dr. Eddy Lee was appointed Consulting Assistant Professor in 2011. Dr. Lee received his BEng from Nanyang Technological University, Singapore (2001) and his PhD in 2009 from National University of Singapore and Universite Claude Bernard Lyon 1 (co-conferred degree). He was a postdoctoral fellow from 2011-2012 in the Radiological Science Lab (RSL). Dr. Lee was most recently Head of Investments at Fenox Venture Capital.

**Don Listwin, BEng | 2012**

Don Listwin was appointed Consulting Professor in 2012. He received his BEng in Electrical Engineering from the University of Saskatchewan in 1980 and an Honorary Doctorate of Law in 2001. Mr. Listwin is the CEO and Founder of the Canary Foundation, a non-profit organization committed to funding the discovery and development of tests for detecting cancer at its earliest, most curable stages. He has held various senior executive positions including CEO of Sana Security, CEO of Openwave Systems, and Executive Vice President of Cisco Systems.

**David Paik, PhD | 2014**

Dr. David Paik was appointed Consulting Assistant Professor in 2014. He received his BS in Computer Science and in Electrical Engineering (1995), his MS in Electrical Engineering (1995) and PhD in Biomedical Informatics (2002), all from Stanford University. He joined our faculty in 2006, but recently left academia to become Director of Imaging Science at Elucid Bioimaging. Dr. Paik continues to help teach the Biomedical Informatics 260 course.

Vivek Paul, MBA | 2011

Vivek Paul joined our department in 2011 as Consulting Professor. He received his MBA from the University of Massachusetts in 1982 and an Engineering degree from Birla Institute of Technology and Science, Pilani, India in 1980. He founded KineticGlue, an enterprise social media company, in 2008, and the company was sold to BMC Software in 2013. From 2005 to 2008, Mr. Paul was a Partner at TPG (formerly Texas Pacific Group), a private equity investment firm. From 1999 to 2005, Mr. Paul served as Vice Chairman of the Board of Directors of Wipro, Ltd., a provider of integrated business, technology and process solutions, and Chief Executive Officer of Wipro Technologies, Wipro’s global information technology, product engineering, and business process services segments. From 1996 to 1999, Mr. Paul was General Manager of the Global CT Business at General Electric’s Medical Systems Division. From 1993 to 1995, he served as President and Chief Executive Officer of Wipro GE Medical Systems Limited. He serves on the Board of Electronic Arts, as well as the advisory council of the Federal Reserve of San Francisco, among others.

Hans Ringertz, MD, PhD | 2013

Dr. Hans Ringertz was appointed Consulting Professor in 2013. Dr. Ringertz is currently Professor Emeritus at Karolinska Institute where he was Professor and Chairman in the Department of Radiology from 1984-2006. He was a Visiting Professor in the Department of Radiology at Stanford University from 2004-2010. From 1986-2006, he was a permanent member of the Nobel Assembly for Physiology and Medicine. He was President elect and served as President of the Nobel Assembly 2002-2003 and was a Trustee of the Nobel Foundation from 2002-2006. In 2007, Dr. Ringertz was Co-Chairman for the Nobel Symposium on Molecular Imaging in 2007. He received his BM (1960), MD (1964) and PhD (1969) from Karolinska Institute in Sweden.

Charles Semba, MD, FACR, FACC | 2011

Charles Semba joined our department as Consulting Associate Professor in 2011. He is currently the Chief Medical Officer at ForSight VISIONS, Inc., in Menlo Park. He joined Stanford University in 1992 as a faculty member in our Interventional Radiology section. He left Stanford in 2000 to join Genentech, Inc., as Medical Director in their Cardiac and Vascular Biotherapeutics division. Dr. Semba received his BA in Chemistry from Carleton College (1981), MD from University of Minnesota School of Medicine (1986), completed his radiology residency at UC San Diego (1991), and fellowship in vascular-interventional radiology at the Miami Cardiac and Vascular Institute (1992).


Ajit Singh, PhD | 2011

Dr. Ajit Singh was appointed Consulting Professor in 2011. He focuses on early-stage Technology and Life Science investments. He currently represents Artiman on the Boards of Aditazz, CardioDx, Click Diagnostics, CORE Diagnostics and OncoStem and serves on the Board of Directors of Max Healthcare based in New Delhi, India. Prior to joining Artiman, Dr. Singh was President and CEO of Biolimagine, a Digital Pathology company specializing in Cancer Diagnostics, based in Sunnyvale, CA. Biolimagine was acquired by Roche in September 2010. Before Biolimagine, he spent nearly twenty years at Siemens in various roles, most recently as the Chief Executive Officer of the Digital Radiology and Medical Informatics business of Siemens Healthcare, based in Germany. Dr. Singh received his BS in Electrical Engineering from Banaras Hindu University, Varanasi, India (1985), MS in Computer Engineering from Syracuse University (1986), and PhD in Computer Science from Columbia University in 1990.

- Medical Imaging: Where’s the software? By Ajit Singh and Akhil Saklecha, Information Week, November 6, 2014.
Ananth Srinivasan, PhD | 2012

Dr. Ananth Srinivasan joined our department as Consulting Professor in 2012. He received his MS from the University of Idaho in 1972 and PhD from Utah State University in 1975. Dr. Srinivasan was most recently the Principal Scientist and Head of Peptide Chemistry for Bayer Schering Pharma AG in Berlin, Germany.


Faculty Leadership Announcements

Kim Butts Pauly, PhD
Professor of Radiology
Appointed Co-Director of the Radiological Sciences Lab joining Dr. Gary Glover in this leadership role (2014)

Garry Gold, MD
Professor of Radiology
Appointed Associate Chair of Research (2012)

Garry Gold, MD
Professor of Radiology
Andrei Iagaru, MD
Associate Professor of Radiology
Drs. Gold and Iagaru have been named to co-lead the new PET-MR Program (2015)

Safwan Halabi, MD
Clinical Assistant Professor of Radiology
Appointed Pediatric Radiology Informatics Director at Lucile Packard Children’s Hospital (2015)

Diego Jaramillo, MD, MPH
Professor of Radiology
Appointed Chief of Radiology Service at VA Palo Alto Health Care System (2015)

Nishita Kothary, MD
Associate Professor of Radiology
Appointed Faculty Lead for Radiology Clinical Trials (2013)

Curtis Langlotz, MD, PhD
Professor of Radiology
Associate Chair for Information Systems and Medical Informatics Director, Department of Radiology and Stanford Health Care (2014)

David Larson, MD, MBA
Associate Professor of Radiology
Associate Chair of Performance Improvement, Department of Radiology (2013)

Payam Massaband, MD
Clinical Assistant Professor of Radiology
Radiology Residency Program Director (2015)

Norbert Pelc, ScD
Professor of Radiology
Appointed Chair of Bioengineering (2012) and Ram and Vijay Shriram Professor and Chair of Bioengineering (2014)

Max Wintermark, MD, MAS, MBA
Professor of Radiology
Appointed Chief of the Neuroradiology Section, Department of Radiology (2015)