



Radical Views... from the Department of Radiology

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Beth Israel Deaconess
Medical Center



FROM THE CHIEF
Jonathan B. Kruskal, MD PhD

July once again brings a welcome influx of outstanding new faculty members, fellows and first year residents. We are thrilled that you all chose to come here, and we dedicate ourselves to working with you as your teachers, colleagues, advisors and even advisees! For our new incoming residents, we hope that the next four years of your lives will be exciting, fulfilling and impactful. You are now part of our team, and together we are all here to improve the outcomes of all of our patients while we strive to be successful in our teaching and scholarly missions.

With the new academic year I am pleased to announce three new initiatives that will impact our trainees this year. **Firstly**, with the imminent arrival of Jim Rawson, our **Radiology Center for Outcomes Research and Improvement** will have its first leader and is now officially launched. Please stay tuned for much more information on this topic. **Secondly**, and as an expansion of our health services effectiveness theme, I am pleased to announce the launch of a practice leadership, administration and management program for trainees and faculty. Through vignette-based mentored discussions, we plan to cover the gamut of scenarios to help members of our Department to develop essential practice leadership and administrative skills. **Thirdly**, in my orientation meetings with the incoming residents and fellows this month, I reiterated our mission of scholarship and our expectations for academic productivity by all trainees. I look forward to following all trainee projects this year and to having these presented in a department-wide forum of peers once completed.

On behalf of our entire large radiology family, you are very welcome in our Department of Radiology – please let us know what we can do to make your experience even better.



Donna Hallett, BSc
Chief Administration
Officer

Please welcome
Kristin Carmody:
Administrative manager for
Radiology Administration and
Education

I am pleased to share that **Kristin Carmody, RN** will be joining our leadership team as the manager for the administrative support and education office staff. Kristin comes to us from the Podiatry Department here at BIDMC where she has provided practice management for the past 2 years.



Prior to that she has experience as a nurse and office management in a community health center. Kristin will be located on the East campus in L-2 office but I am sure you will be seeing her everywhere as she supports our administrative team. Her first official day will be July 12th but you may be seeing her around over the next couple weeks.

I am very excited to have Kristin join our team and look forward to you all getting to know and work with her to better support our mission.

Department of Radiology: Education Alumni Society

Stay abreast of developments in the department with past issues of *Radical Views* featuring news, events, conferences, the latest publications, and more.

2017	2016	2015	2014	2013	2012	2011
January	January	January	January	January	January	January
February	February	February	February	February	February	February
March	March	March	March	March	March	March
April	April	April	April	April	April	April
May	May	May	May	May	May	May
June	June	June	June	June	June	June
July	July	July	July	July	July	July
August	August	August	August	August	August	August
September	September	September	September	September	September	September
October	October	October	October	October	October	October
November	November	November	November	November	November	November
December	December	December	December	December	December	December

*One of the best ways to keep in touch is to access our **BIDMC Radiology Alumni Society page** to view/download our monthly **Radical Views**; or else contact **Andrea Baxter** (abaxter@bidmc.harvard.edu) to be placed on our alumni e-mail group to receive your own e-copy. Please notify **Donna Wolfe**, *Radical Views* Editor, of any news you would like to share.*



See pages 16-23, the Graduation Supplement to see the Fleischner Celebration for our graduates

<http://radnet.bidmc.harvard.edu/education/newsletters.asp>

Please note that monthly **Radiology Calendars for Academic Year 2018** are available at [Schedules](#) and click on Grand Rounds and Monthly Calendar for the most up-to-date listings at: <https://apps.bidmc.org/departments/radiology/schedules/schedules.asp>

Dr. James Rawson, formerly of Augusta University, GA (and now incoming BIDMC Radiology Faculty) delivered the 25th Annual Risa & Felix Fleischner Lecture which was also our last Grand Rounds presentation for Academic Year 2018. His topic, **The Role of the Radiologist in Population Health** introduced and defined Patient and Family-Centered Care (PFCC) as an approach to healthcare delivery that emphasizes partnerships and collaborations between and among healthcare providers, patients and their families. This insightful presentation is now available on-line at:

<https://apps.bidmc.org/departments/radiology/news/rounds/slides/20180622.pdf>



Through the Patient's Eyes

- **Respecting** patients' values and preferences
- **Coordinating** care
- Providing information and education; attending to physical comfort
- Providing emotional support
- **Involving** family and friends in care
- Ensuring **continuity** among providers and treatment settings.

10 Rules for HealthCare IOM

- Care is based on continuous healing relationships
- Care is customized according to patient needs and values
- **The patient is the source of control**
- Knowledge is shared and information flows freely
- Decision making is evidence base
- Safety is a system property
- Transparency is necessary
- Needs are anticipated
- Waste is continuously decreased
- Cooperation among clinicians is a priority

July - August 2018
The Gallery presents photos by Paris Lotfi, MD
 Breast Imager



Come see
*Bubbles
 Over
 Boston*

If you would like to show in the Gallery, contact Medical Editor Donna Wolfe (4-2515)

WELCOME NEW FACULTY



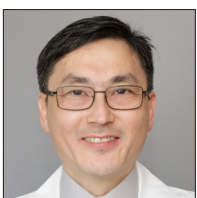
Andrew Bennett, MD, PhD - returns to BIDMC as Director of **Acute Care Radiology** (Community Network) after serving as an attending in Emergency Radiology and Abdominal Imaging at UMASS Medical Center, Worcester. He earned his MD at Harvard Medical School/Harvard-MIT Division of Health Sciences and Technology and his PhD in Physical Chemistry at MIT. Following his residency and abdominal fellowship training at BIDMC, he joined our radiology staff as an attending in Community and Emergency Radiology. Welcome back, Andrew!



Sarah Shroepel DeBacker, MD - stays on at BIDMC as an attending in **Interventional Radiology** after completing fellowship training in Vascular & Interventional Radiology in July 2018. Sarah earned her MD at the University of Kansas School of Medicine where she also completed her residency training. She enjoys running, hiking, weight lifting and pickle ball, cooking and travel.



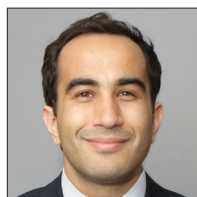
Sonia Gupta, MD - joins BIDMC as our **Modality Director for Ultrasound Services** after working as an attending in the Abdominal Section at Temple University Hospital, Philadelphia. After graduating from UNC-Chapel Hill with a BA in Anthropology, she earned her MD at Wake Forest University and completed a fellowship in abdominal imaging at Duke University. Her interests include radiology advocacy through the American College of Radiology, music (orchestra and Broadway), hiking, yoga, and travel.



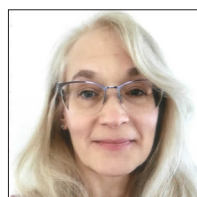
Wonsuk Kim, MD - joins BIDMC Radiology as an attending in **Musculoskeletal Imaging & Intervention/Acute & Ambulatory Care**. He holds an MD from the University of Washington School of Medicine, Seattle, an MS in Electrical Engineering and an MA in Physics from Washington University, St. Louis, MO. He comes to Boston after completing a fellowship in Musculoskeletal Radiology at Banner University of Arizona Medical Center, Tucson. He has also held positions as a software engineer and consultant at both medical centers and private corporations. When not working, he likes to travel.



Jackie J. Lian, MD - joins BIDMC Radiology as an attending in **Musculoskeletal Imaging & Intervention/Acute & Ambulatory Care**. She earned her medical degree at University of Ottawa and a BSc in Engineering Chemistry at Queen's University, Kingston, Ontario, Canada. She completed residency at McGill University in Montreal and a fellowship in musculoskeletal imaging at Central Health/Juravinski Cancer Centre at McMaster University, Hamilton, ON. She comes to BIDMC from her most recent position at Central Health, Newfoundland.



Omar Parvez, MD - joins BIDMC Radiology as an attending in **Neuroradiology/Acute & Ambulatory Care**. He earned his MD at New York Medical College and a BSc *magna cum laude* at McGill University, Montreal. He completed his residency at Boston Medical Center and fellowship training in Neuroradiology at Massachusetts General Hospital. Most recently he served as a staff member at MGH/Boston Veterans Affairs Medical Center and Martha's Vineyard.



Christine L. Petersen, MD - joins BIDMC as an attending in **Breast Imaging**. She earned her MD at Columbia University, NYC, and completed her residency at Duke University Hospital, Durham, NC. She completed an abdominal imaging fellowship at MGH and joined the staff at Boston University where she served as Interim Breast Imaging Chief at Boston Medical Center. Most recently, she comes to BIDMC from the Reliant Medical Group/Fairlawn Rehabilitation Hospital, Worcester, MA where she served as Lead Radiologist in Breast MRI.



James V. Rawson, MD, FACR needs little introduction as he joins BIDMC as an attending in **Abdominal Imaging** and as our new **Vice Chair of Operations & Special Projects** and **Director, Radiology Center for Outcomes & Research and Improvement**. Dr. Rawson earned his BS *cum laude* in Chemistry, Religion and Biology as well as his MD at Tufts University; completed his residency at New York Medical College and a fellowship in MRI at the Mallinckrodt Institute of Radiology. Most recently, he served as Chair of Radiology & Imaging and Chief of the Division of Health Policy at the Center for Bioethics and Health Policy at the Medical College of Georgia and will continue to serve as a project partner in the Collaborating Centre for Values-based Practice in Health and Social Care at St. Catherine's College, Oxford, UK.

WELCOME 1st YEAR RESIDENTS (PGY-2)

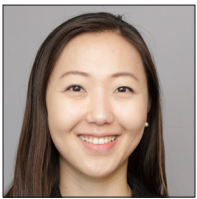
Welcome to Academic Year 2018 - We are once again delighted to welcome our incoming residents fellows to Radiology. This academic year also initiates our IR/DR Residency Program and we are especially pleased to welcome 1st yr residents **Drs. Lucas Daily** and **Robert Robinson**, our first participants in this new program. In 2012, the American Board of Medical Specialties (ABMS) named Interventional Radiology (IR) as a separate specialty (similar to Pediatrics, Internal Medicine, Surgery, etc.). In recognition of this change, IR training is transitioning from a fellowship to a dedicated residency program.



Lucas Daily, MD – graduated from University of Louisville School of Medicine and earned a BA in chemistry *magna cum laude* from Murray State. He enjoys hiking, soccer, golf, reading and travel. (Integrated IR/DR program)



Brian Ellison, MD – graduated from the University of Tennessee Health Science Center College and earned a BA in neurobiology from Harvard University. In his spare time, he enjoys computing, travel, hiking, and cycling.



Yukun Gao, MD – graduated from Case Western Reserve University School of Medicine and earned a BA in biochemistry and molecular biology from Brown University. A graduate of Boston Latin, she grew up in Boston and Brookline. She enjoys baking, running, rowing and Chinese dancing.



Tarana Gill, MD – graduated from University of Missouri-Kansas City School of Medicine with a BA/MD in the accelerated six-year combined program. She enjoys horseback riding, polo, skiing, swimming and travel.



Brian Jiang, MD – graduated from Duke University School of Medicine and earned a BA in biochemistry *summa cum laude* from Duke University. In addition to spending a research year in Singapore, he received an RSNA medical student grant during his second year. He is an a cappella singer and is fluent in Mandarin. He enjoys basketball and cooking.

The BIDMC Integrated IR/DR Program includes:

- Daily teaching rounds while on the interventional radiology service in addition to weekly morning conference and a case conference
- Participation in outpatient general IR clinic and separate multidisciplinary liver tumor clinic
- Participation in the New England Society of Interventional Radiology with didactic lectures and opportunities to present cases and to network with others
- In the final two years of the program, rotations on the IR service, outpatient clinic, dialysis center and outpatient vein center in addition to rotations on vascular surgery and the intensive care unit



Christina Konstantopoulos, MD – graduated from Meharry Medical College, Nashville with election to both AOA and the Gold Humanism Society and earned a BA from Massachusetts College of Pharmacy. In her spare time, she enjoys Greek music, swimming, sewing and rock climbing.



Robert B. Robinson, MD – graduated from the Charles E. Schmidt College of Medicine at Florida Atlantic University and earned his BA in biochemistry at Maryville University, St. Louis. He spent 7 years in pastoral ministry before entering medical school. He enjoys guitar, piano, audio production, and spending time with his wife and daughter. (Integrated IR/DR program)



Kevin Sun, MD – graduated from the Warren Alpert Medical School at Brown University and earned a BA in microbiology from the University of Rhode Island. He also is a certified pharmacy technician and lifeguard. He enjoys hiking, kayaking, and swimming.



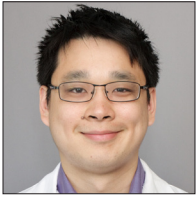
Amalie Thavikulwat, MD – graduated from the Northwestern University Feinberg School of Medicine and earned a BA in neurobiology and economics from Harvard University. In her spare time, she enjoys sewing, thrifting, hiking, rock climbing, and gardening.



Eddy Zandee van Rilland, MD – graduated from the University of Maryland School of Medicine and earned a BA in public health and pre-medical from Johns Hopkins. During college he was a swimmer. Originally from Hawaii, it's no surprise that he enjoys surfing – as well as woodworking, travel, basketball, and squash.

WELCOME INCOMING CLINICAL FELLOWS

Abdominal Imaging (6)



Kenny Ah-Lan, MD - just completed his residency in diagnostic radiology at McGill University, Montreal where he also earned his medical degree. His professional rescue and innovative skills have helped him become a certified National Lifeguard and a chess champion, respectively.



A. Fourie Bezuidenhout, MB ChB - came to BIDMC from South Africa where he earned his medical degree at the University of Pretoria and completed residency training at Tygerberg Hospital, Stellenbosch University. In 2014, he was selected as 1 of 16 global candidates to participate in RSNA's Introduction to Research for International Young Academics Program in Chicago. In 2016, he came to BIDMC where he has completed fellowship training in cardiothoracic imaging and neuroradiology.



Mathew Bligh, MD, MASC - is a Fellow of the Royal College of Physicians of Canada (FRCPC). He earned his medical degree at Dalhousie University, Nova Scotia where he also completed residency training in diagnostic radiology and nuclear medicine. He also holds a Master's degree in Mechanical Engineering from Dalhousie. Having co-authored a paper in the Journal of Rheumatology and RadioGraphics, he looks forward to continuing his research efforts at BIDMC.



Ramy Karam, MD - Completed his residency in diagnostic radiology at CHUM (Center Hospitalier de Universite de Montreal) and earned his medical degree at the University of Montreal. He is also a franchise owner of a student painting service. He has co-authored papers in the Canadian Association of Radiologists Journal and the Behavioural Brain Research Journal and is fluent in Arabic, French and English.



Alireza Mojtahedi, MD - graduated from Tabriz University of Medical Sciences, Tabriz, Iran and completed a residency in nuclear medicine at the University of Tennessee, Knoxville and in diagnostic radiology at Rutgers New Jersey Medical School, Newark. His contributions to research have resulted in numerous publications since 2005.

Nicolas Tabah, MD, FRCPC - comes to BIDMC from Integrated Health and Social Services, Centers of Abitibi-Témiscaminque, Quebec where he served as an Active Medical Staff Radiologist. He earned his medical degree from the Universite de Sherbrooke, Quebec and completed residency training at University Laval, Quebec City.

Body MRI (2)

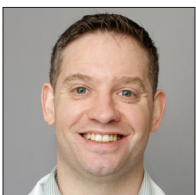


Thomas (Tom) Anderson, MD - stays on at BIDMC after completing his residency where he also served as Chief Resident (2017-2018). He received his MD from the Warren Alpert Medical School, Brown University. Outside of medicine, Thomas enjoys music, having sung regularly with the Boston Symphony Orchestra and the Boston Pops since 2006, as well as at Boston Red Sox and Celtics games. He is also a PADI-certified scuba diver and an amateur woodworker.



Stella Lam, MD - stays on at BIDMC as **Chief Fellow** after completing her residency training. Her intellectual curiosity, fascination with science and desire to have a larger impact on public health led her to pursue a career in medicine. She earned her MD at Boston University School of Medicine. Stella enjoys sampling different ethnic cuisines and spending time outdoors or by the ocean. She also has a flair for adventure, having tried both bungee jumping and skydiving to challenge her fear of heights!

Breast Imaging(2)



Vincent Champion, MD - "Vinny" comes from Naval Medical Center Camp Lejeune where he served 4 years as a Naval Officer and 3 as a civilian practicing general radiology with a special interest in breast imaging. Prior to that, he completed his MD at Tulane University, internship at UNC Chapel Hill, and residency at Rhode Island Hospital. Vinny is originally from Massachusetts and is excited to be back home after 20 years away.



Eileen Delaney, MD, MA - Eileen earned her medical degree from Albany Medical College and completed residency at UMass Memorial Medical Center. Prior to this, she attended Boston College where she earned a BS in Biology and an MA in Philosophy. She enjoys running and travel, and has completed marathons in Ireland and Hawaii.

Cardiothoracic Imaging (1)



Daniela Tridente, MD - graduated from the Faculty of Medicine of Santa Casa de Sao Paulo, Brazil where she also completed her residency. She returns to BIDMC where she undertook an observership in cardiothoracic Imaging. Fluent in Portuguese (native language) with intermediate proficiency in

French and basic Italian, her interests include languages and different cultures supported of course by photography and traveling.

Musculoskeletal Imaging & Intervention (2)



John Cavanaugh, MD, MBS - stays on at BIDMC where he has just completed his residency training. He graduated from Indiana University School of Medicine. He comes to our program with a strong background in academic research, as well as volunteerism, having spent time at a clinic for the

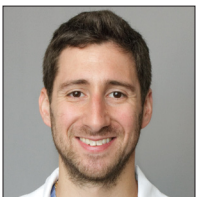
underserved population in Mumbai, India. A former All-American track athlete during his collegiate years at the University of Notre Dame, John continues to fuel his passion for running. He also enjoys writing and reading The New York Times.



Daon Ha, MD - also stays on at BIDMC where she has just completed her residency training. She graduated from Tufts University School of Medicine, and her love for visual arts as a child is one of the many factors that eventually led her to choose a career in radiology. She may be a familiar face to some at BIDMC, as she

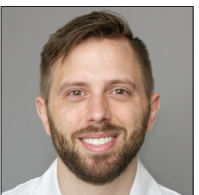
spent time here in 2012, participating in a research project with the Breast Imaging section. In addition to her love of painting (she does both acrylic and watercolor), Daon enjoys traveling, hiking and cooking.

Vascular & Interventional Radiology (4)



Ezra Ralph Bobo, MD - comes to us from Pennsylvania Hospital in Philadelphia, PA. Before that, he attended The Commonwealth Medical College. He has an undergraduate degree in Biomedical Engineering from the University of Pennsylvania, where he played club water polo. He also enjoys running,

CrossFit and is a baseball and football fan.



Daniel Burritt, MD - attended the Lewis Katz School of Medicine at Temple University and completed his residency at UMass Memorial Medical Center. He was a Bioengineering major at Lehigh University prior to pursuing medicine. He is interested in philosophy and was a group leader of a philosophy club at UMass.

Neuroradiology (4)



Ilyas Chiali, MD - graduated from St. George's University School of Medicine in Grenada, West Indies and completed his residency at Monmouth Medical Center, Long Branch, NJ. His interests include cosmology, theoretical physics, playing drums and soccer (he was a high school state champion). He is fluent in

French and proficient in Arabic.



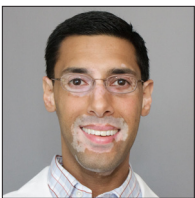
Christopher (Chris) Hostage, MD* - stays on at BIDMC where he has just completed his residency training. He received his MD from Duke University School of Medicine. His strong passion for teaching, clinical duties and research have earned positions as Chief Resident (2017-2018) and **Chief Neuro Fellow**

(2018-2019). Since 2006, he has trained and competed in Brazilian Jiu-Jitsu, and even placed 4th out of a field of 32 in the weight and skill division at a North American Grappling Association Championship.



Anna Luisa Kühn, MD, PhD - earned both her MD and PhD (DR. Med., Diagnostic and Interventional Neuroradiology) at Saarland University School of Medicine in Germany and she completed her residency at UMASS Medical School, Worcester. She is fluent in German and English and has some proficiency

in French, Spanish and Portuguese.



Nabeel Porbandarwala, MD - earned his BLA/MD from the University of Missouri, Kansas City and completed his residency at the University of Cincinnati Medical Center, OH. He has been a member of the Gold Humanism Honor Society since 2012. His interests include cars, investments, computers,

golf, cycling and woodworking.



Marwan Moussa, MBChB - returns to BIDMC from the University of Arkansas, where he completed his residency after earning his medical degree from the Alexandria University Faculty of Medicine, Egypt. Between 2010-2013, he served as a research fellow in IR (Minimally invasive tumor therapy lab) at

BIDMC. He enjoys CrossFit training, soccer, and swimming.



Francisco Eduardo Valles, MD - graduated from the University of California, San Francisco medical school and completed his residency at Yale New Haven Health Bridgeport Hospital. He has an undergraduate degree in Biochemistry and Chemical Engineering from Occidental College and California Institute

of Technology, respectively. He enjoys photography, computer programming and salsa dancing among other hobbies.



BIDMC Radiology Department Code of Conduct

Our department is committed to leadership in the delivery of patient care through technical and clinical expertise in medical imaging. To be the best at what we do, we must hold ourselves to the highest standards. We have set the following values and expectations for ourselves in order to create the best working environment. By sharing these common goals we can build successful teams and a strong community that values safety, openness and respect for personal privacy and confidentiality.

Embrace the following values

- Honesty
- Integrity
- Trust
- Empathy
- Tolerance
- Compassion
- Equity

*"At BIDMC Radiology, we expect
all staff to exhibit the highest levels
of professional demeanor
and personal responsibility"*

Exhibit Professionalism

- Be on time and fully engaged for meetings or lectures
- Show respect to patients and staff alike
- Give all stakeholders a voice
- Foster teamwork and be a good teammate
- Demonstrate a positive attitude and a clean neat presentation in both dress and speech
- Seek to build a safe and supportive environment for a strong sense of community

Take Personal Responsibility

- Make patient care your number one priority
- Maintain the pursuit of excellence through continuous education, training, and professional certification
- Take a proactive, not reactive, approach
- Take the initiative and lead by example
- Provide a safe environment for all employees, free from bullying or coercion

Be Accountable

All Radiology employees must be accountable for their actions and empowered to hold others to the same standards. Accountability is evidenced by:

- Taking ownership of your work
- Following through on commitments
- Complying with all applicable policies and guidelines
- Making it safe and comfortable for employees to report problems or issues



Aideen Snell, MSW, CPXP
Manager, Service Excellence
Program x72570
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Radiology Action Planning Committee on Patient Engagement

July **TIP** of the Month:

Be as good to yourself! ...

as you are to others



During my 13 years in Radiology, I have often used the hospital shuttle and I have a very fond memory of a morning shuttle driver who often said **“Be Good To Yourself”** to the departing passengers at every stop. I grew to look forward to getting on his shuttle and he never failed to put a smile on my face. Just a simple statement but stated so positively and with conviction; at times it seemed like he knew what was going on in our heads. Unfortunately, he passed away on July 15th, 2011, while driving his shuttle. The tip of the month for July is a tribute to this man whose message was to “Be Good To Yourself” because with our busy schedules and increasing demands many of us have forgotten to take care of ourselves. Social media and iPhones have made us accessible 24/7, forced us to judge ourselves by others' posts and kept us from shutting out the busyness to clear our heads.



I challenge you this month to have lunch outside in the sunshine, take a walk across campus to see someone instead of sending an email, invite someone to lunch who doesn't have a friend to join them, or invite some of your coworkers to get a drink/coffee after work, turn off your phone when you get home and truly be present with your family or friends and be good to yourself.

Have a safe and happy summer!



- 1) **Listen to understand.** Good listening means giving the speaker your full attention. Non-verbal cues like eye contact and nodding let others know you are paying attention and are fully present for the conversation. Avoid interrupting or cutting others off when they are speaking.
- 2) **Keep your promises.** When you keep your word you show you are honest and you let others know you value them. Follow through on commitments and if you run into problems, let others know. Be reliable and expect reliability from others.
- 3) **Be encouraging.** Giving encouragement shows you care about others and their success. It is essential that everyone understands that their contributions have value. Encourage your co-workers to share their ideas, opinions and perspectives.
- 4) **Connect with others.** Notice those around you and smile. This acknowledgement, combined with a few sincere words of greeting, creates a powerful connection. Practice courtesy and kindness in all interactions.
- 5) **Express gratitude.** A heartfelt “thank you” can often make a person's day and show them you notice and appreciate their work. Send a handwritten note, verbal praise, or share a story of “going above and beyond” at your next team meeting.
- 6) **Share information.** When people know what is going on, they feel valued and included. Be sure everyone has the information they need to do their work and know about things that affect their work environment. Sharing information and communicating openly signals you trust and respect others.
- 7) **Speak up.** It is our responsibility to ensure a safe environment for everyone at BIDMC; not just physical safety but also mental and emotional safety. Create an environment where we all feel comfortable to speak up if we see something unsafe or feel unsafe.
- 8) **Walk in their shoes.** Empathize with others; understand their point of view, and their contributions. Be considerate of their time, job responsibilities and workload. Ask before you assume your priorities are their priorities.
- 9) **Grow and develop.** Value your own potential by committing to continuous learning. Take advantage of opportunities to gain knowledge and learn new skills. Share your knowledge and expertise with others. Ask for and be open to feedback to grow both personally and professionally.
- 10) **Be a team player.** Great teams are great because team members support each other. Create a work environment where help is happily offered, asked for and received. Trust that teammates have good intentions. Anticipate other team members' needs and clearly communicate priorities and expectations to be sure the work load is level loaded.

Purpose:

The BIH Radiology Foundation Pilot Research Minigrants are designed to enable departmental investigators to gain experience in defining objectives and testing hypotheses in preparation for external grant applications and/or manuscript submissions. These awards are intended to support preliminary or pilot phase scientific projects, and are not intended to supplement major funding that has already been secured.

Amount: One-year grant of up to \$15,000.

Eligibility Requirements:

Awards are restricted to full-time faculty, part-time faculty, fellows, residents and research staff employed by the Department of Radiology only. Applicants at the level of Assistant Professor or below require co-signature on the application by a departmental mentor, and early involvement of the mentor in the proposal development is strongly encouraged.

Nature of Projects:

Any area of basic, clinical, or translational research related to radiology is eligible to apply for support.

Submission Procedures and Deadlines:

Submissions are reviewed in two annual cycles.

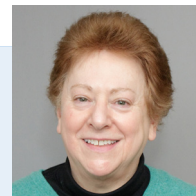
- Submissions received by November 17, 2017 were considered for funding beginning January 15, 2018.
- Submissions received by May 18, 2018 will be considered for funding beginning July 15, 2018.
- **Off-cycle applications will be considered based on availability of funds. Up to \$90,000 will be awarded by this program each academic year. Proposals (hardcopy or electronic) should be submitted electronically to Mary Addonizio at maddoniz@bidmc.harvard.edu**

Proposal Format:

The application should consist of two narrative single-spaced pages that include: Specific Aims, Background & Significance, Preliminary Studies (if any), a brief Design and Methods section, a timeline, and a section describing how this grant will lead to preparation of an external grant application and/or submission of a high-impact manuscript. A separate Budget page with justification must also be submitted. Please note that these grants are not intended for salary support of the applicant or co-investigators, or to cover statistical support.

Questions:

Please contact **Mary Addonizio** (maddoniz@bidmc.harvard.edu) if you have any questions about the application process. For questions about appropriate science, methods or research emphasis, please contact any member of the Research Steering Committee.



*Mary Addonizio, MBA
Radiology Research
Program Manager
7-2975 • Ansin-240*

Review Process:

All complete applications will be peer-reviewed by Research Steering Committee faculty: Drs. Jonathan Kruskal, Leo Tsai, Muneeb Ahmed, and Alexander Bankier. External ad hoc reviewers may be sought for applications with methods outside the committee members' expertise.

Review Criteria:

Submitted proposals will be reviewed for their intrinsic merit, synergies with other activities and priorities of the Department, and the likelihood that funding will have a positive impact on completion of the research project. Because these grants are intended for pilot studies, investigators who already have externally funded research projects must clearly indicate why these funds are necessary.

Reports and Presentations:

Award recipients must present a one-page written report to the Departmental Research Committee within 30 days of project completion. This report should include a section indicating any future plans for the research. In addition, reports should include an appendix with any reprints or preprints of manuscripts, or any request for external funding (i.e., NIH or RSNA submissions) resulting from the study. Please submit the report to Mary Addonizio (see above).



REMINDER:

Zheng Zhang, PhD - Assistant Professor in Biostatistics at Brown University is available to BIDMC investigators to help support statistical design needs for research proposals for immediate or future grant applications. Please be sure to forward any requests/proposals to use Dr. Zhang's statistical consulting services to Mary Addonizio, Radiology Research Program Manager, at maddoniz@bidmc.harvard.edu

RESEARCH: (con't)

Congratulations to Interventionalist Jeffrey Weinstein, MD, our 1st Research Mini-Grant awardee.

The Radiology Research Steering Committee* is delighted to award BIH Radiology Foundation funding for his proposed study: **Kinematic analysis of hand motion as an objective measure of technical proficiency in radiology procedures**



Specific aims:

- 1) Characterizing the kinematic hand motion profile of attending radiologists and novice trainees in performance of image-guided needle targeting with ultrasound and fluoroscopy
- 2) Determining the effect of practice in phantoms on kinematic profile of trainees and attendings in three clinically relevant scenarios of ultrasound-guided targeted biopsy, radial artery access, and fluoroscopic transhepatic cholangiography.

Timeline:

For awardees, the proposed timeline after receipt of funding is one year.

Outcomes:

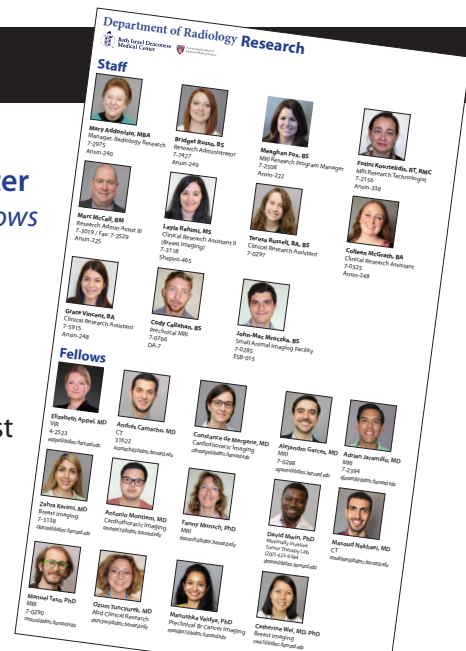
Anticipated outcomes for a grantee's research may include publication in the radiology or medical education literature. Pilot data obtained from the study can be used for more advanced funding applications in research, medical education, and quality and safety.

Progress Updates:

For internal tracking purposes, in addition to a final report, we ask awardees to provide the steering committee with brief quarterly updates about project progress and budget information relative to the proposal. This information will be extremely helpful to the department as it moves forward with its strategic funding decisions.

*BIDMC Radiology Research Steering Committee: Jonathan Kruskal, Leo Tsai, Muneeb Ahmed, Alexander Bankier and Donna Hallett.

Announcing the new **Research Staff Roster (including current Fellows with email hyperlinks)** now available on Inforadiology under Staff Posters. Like Radiology Staff, Trainee & Technologist Posters, this will be continuously updated as needed.



Faculty	Breast Techs	1101 Beacon Community
Residents & Fellows	CT Techs	Chelsea Community
Administrations	Dx Techs	Chestnut Hill Community
Informatics	IR/INR Techs	Lexington Community
Nursing	MRI Techs	Needham Community
Support Services	Nuc Techs	Research
	US/VASC Techs	

Log in to the portal:

<https://inforad.bidmc.harvard.edu/Logon.asp>

Click on **Staff Posters**

Welcome Clinical Research Assistant

Colleen McGrath

Colleen is from Bayville, NJ, and she joined the MRI Research team in June. She is a recent graduate from The University of Pennsylvania, where she earned a Bachelor of Arts degree in Health and Societies and a Minor in Sociology. She has also spent many years volunteering with the American Cancer Society and hopes to continue to volunteer in Boston. In her free time, Colleen likes to hike and take photos. She plans to pursue a Masters of Public Health and is interested in chronic disease epidemiology.

As a Clinical Research Assistant for the Director of Basic and Translational Research and MRI Research, Dr. David Alsop and MRI Research Program Manager, Meaghan Fox, Colleen will maintain regulatory documents for MRI research and be responsible for the screening, recruiting and consenting of MRI research study participants as well as serving as principle correspondent to the hospital's Institutional Review Board.



Thank you!

Meaghan Fox, BS
MRI Research Program Manager
Division of MRI Research

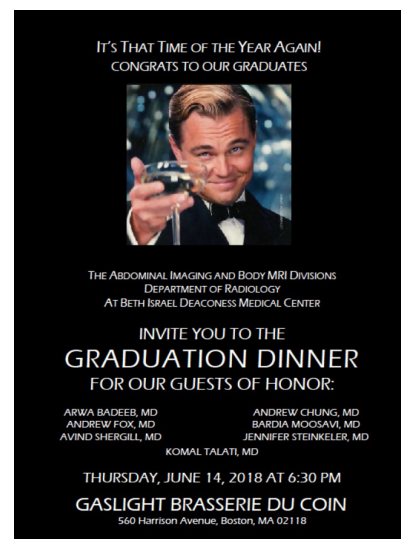


3rd ANNUAL BETTINA SIEWERT RESEARCH HOUR - June 14, 2018

Chief of Abdominal Imaging and Director of MRI, Dr. Koenraad Mortele, hosted the third annual **Bettina Siewert Abdominal Imaging Research Hour**, named to honor the career efforts of Dr. Siewert who stepped down in 2016 as Chief of Abdominal Imaging to serve as Executive Chair of Radiology in addition to serving as Vice Chair of Quality in Radiology. Held in the Clouse Conference Room as part of their weekly Abdominal Imaging Conference, this year's graduating Abdominal and Body MRI fellows presented their research projects which they had pursued in tandem with their clinical responsibilities. Dr. Mortele acknowledged (and thanked them) for their incredible efforts:



- Bardia Moosavi, MD** MRI Characterization of Focal Liver Lesions in Non-cirrhotic Patients: Added Value of the Gd-EOB-DTPA Enhanced Hepatospecific Phase
- Andrew Chung, MD** Can We Do More with Less?: MRCP in the Inpatient Population
- Alejandro Garcés, MD** Diffusion-Weighted Magnetic Resonance Imaging of Pancreatic Ductal Adenocarcinoma: Correlation with Metastatic Disease Potential and Overall Survival
- Arwa Badeeb, MD** Superficial Cortical Fibrosis: An MR Imaging Feature of Polycystic Ovarian Syndrome
- Arvind Shergill, MD** Imaging of Transgender patients: What Radiologists need to Know
- Adrian Jaramillo, MD** Off the Wall Imaging: Multimodality Imaging & Clinicopathologic Assessment of Abdominal Wall Endometriosis
- Komal Taladi, MD** Pearls & Perils in Splenic Lesions



This event was the culmination of their academic year and that evening Abdominal Imaging toasted their graduating fellows.



KUDOS – Ancient Greek noun meaning praise & honor received for an achievement

Kudos recognizes staff members for providing outstanding care and service, and for promoting team communication. Please send your positive feedback for anyone deserving this honor to Jillian Augusta (jaugusta@bidmc.harvard.edu). Congratulations to the following:



Gianna Mirabella, Diagnostic Tech II

Recognized for her Compassion and Excellence: *Gianna provided quality care during a difficult UGI exam. The patient had a broken leg, which presented a challenge during the exam, but Gianna handled the situation ensuring dignity and compassion. The patient and radiologist were both very thankful and impressed.*



Thomas Knudson, Diagnostic Tech II

Recognized for his Compassion and Excellence: *Tom demonstrated patience and excellence in patient care. A fluoroscopy patient phoned the department after his exam to let us know how grateful he was for Tom's compassionate care.*



Sara Ross, Sr. Diagnostic Tech

Recognized for her Teamwork and Support: *Sara is always supportive and an excellent resource as a Senior tech. She is always there for her co-workers, and assisting them so we can be successful.*

She also brings forward ideas and suggestions that help with reducing challenges. Sara reached out to Dr. Metkar to improve and clarify his exam protocols that was causing confusion with the techs. Sara is also someone that staff fell very comfortable approaching with problems, as they know she will provide clarity and support.



Congratulations Priscilla J. Slanetz for being named Fellow of the



Breast Imager **Priscilla J. Slanetz** has been elected Fellow of the American Association for Women Radiologists (AAWR). Fellowship is one of the highest honors that AAWR bestows on its members who demonstrate not only a considerable record of commitment to AAWR, but also longstanding service. An AAWR member since 1992, Dr. Slanetz has served as President of the New England Chapter and also received the Professional Leadership Award (Professional Development Seminar for Early-Career Women Faculty). As a Fellow, she will join a select group of diagnostic radiologists, interventional radiologists, and radiation oncologists who have distinguished themselves in their respective fields.

Medical Physics

The International Journal of Medical Physics Research and Practice

Last month, we featured a research article published in Medical Physics by BIDMC radiology physicists **Da Zhang, Georgeta Mihai** and **Matthew Palmer**; IR/Abd faculty **Olga Brook** and Sr. Programmer/Analyst **Larry Barbaras** and we are pleased to report that this publication has been selected to be highlighted under the **Editors' Choice column for the Medical Physics Scitation and medphys.org websites** for the July 2018 issue. Each month, the editors select the four highest quality papers, in terms of potential scientific impact and reader interest, for this honor. In addition to being highlighted as an Editors' Choice paper, this manuscript will be published as a free-to-read article online.

"We congratulate you on your paper being selected for this honor and look forward to publishing your future work."

Sincerely,

Jeffrey Williamson, Ph.D, Editor in Chief
Medical Physics
AAPM

Zhang D, Mihai G, Barbaras LG, Brook OR, Palmer MR. A new method for CT dose estimation by determining patient water equivalent diameter from localizer radiographs: Geometric transformation and calibration methods using readily available phantoms. Med Phys. 2018 May 10.PMID: 29746705.



Calling all directors & managers:

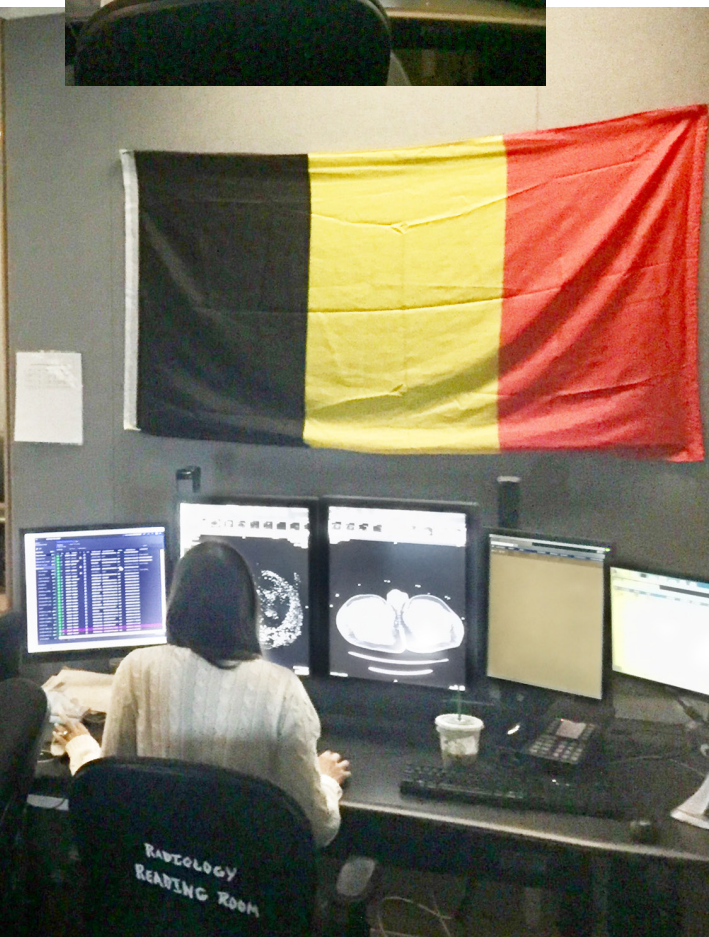
With more than 650 members in our department working at numerous practice locations, it has become quite helpful to have posters of faculty and trainees, technologists by modality, nursing, support and administration rosters. Please send any updates to dwolfe@bidmc.harvard.edu so these can be accurately maintained.

Staff Posters

FIFA WORLD CUP: ANOTHER ANNUAL RADIOLOGY EVENT

As you may know the Soccer World Cup (International Federation of Association Football) is on and although the USA didn't qualify there is still significant interest from several staff members and trainees in the outcome of the tournament. Top departmental contenders are Belgium (Koenraad Morteale), England (Colin McArdle), Colombia (Patricia Balcacer and Alejandro Garces) and South Korea (Doan Ha and Geunwon Kim). Root for your roots (or join others)!!

- Koenraad Morteale, MD





BIDMC at ESGAR 2018 (and REUNION with our IRISH ALUMNI)

This past June, Drs. Olga Brook and Jennifer Ní Mhuircheartaigh attended The European Society for Gastrointestinal and Abdominal Radiology 2018 in Dublin. It was a great meeting, as always, but also a great opportunity to meet with our former staff and fellows, currently practicing in Ireland:

Charlie Mullan, Abdominal Imaging fellow 2009-2010, currently Divisional Clinical Director, Diagnostics & Cancer Services, Western Health & Social Care Trust

Eavan Thornton, Abdominal Imaging fellow 2009-2010, currently Consultant Radiologist, Bons Secours Hospital, Dublin

Peter Beddy, Body MRI fellow 2010-2011, currently Consultant Diagnostic Radiologist at St. James's Hospital Dublin

Ian Brennan, VIR fellow 2010-2011, Abdominal Imaging fellow 2011-2012, VIR attending 2012-2015, currently Consultant Diagnostic and Interventional Radiologist at St. James's Hospital Dublin

Deirdre Moran, Body MRI fellow 2012-2013, Abdominal Imaging fellow 2013-2014, currently Consultant Radiologist, St. Vincent's Hospital, Dublin

Mark Knox, Body MRI fellow 2012-2013, Breast Imaging 2013-2014, currently Consultant Radiologist, Mater Misericordiae Hospital, Dublin

Michelle De Brun (Browne) – Abdominal Imaging fellow 2011-2012, currently Consultant Radiologist, Mayo General Hospital, Castlebar



L to R: Peter Beddy, Jenny Ní Mhuircheartaigh, Eavan Thornton, Mark Knox, Ian Brennan, Olga Brook (behind Ian)



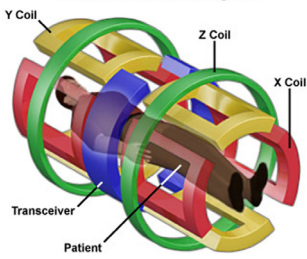
Olga Brook and Deirdre Moran



Michelle Browne and Charlie Mullan



Michelle Browne and Jenny Ní Mhuircheartaigh

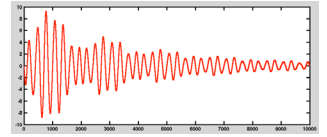


National High Magnetic Field Laboratory

BIDMC

Radiology Residents & Fellows MRI Physics Course

2018-2019 Academic Year



Purpose:

To provide fellows and residents with a basic understanding of MR physics, with emphasis on practical aspects of image acquisition such as protocol optimization and troubleshooting. A brief overview of fundamentals of nuclear magnetic resonance will provide an introduction to sources of image contrast in MRI. Techniques for image acquisition will be described, followed by an overview of the major families of MR pulse sequences. Topics such as accelerated imaging, fMRI, and diffusion tensor imaging will be discussed.

Format:

All sessions will be held on Tuesdays, 5-6 pm at the MRI Learning Lab, Ansin 220, starting July 31st.

Text and Topics:

The recommended textbook is *"MRI in Practice," 4th Edition (2011)* by Catherine Westbrook. Supplementary reading from review articles will be recommended for advanced topics.

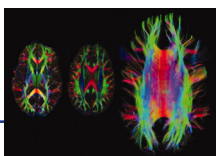
For more information, contact:

Aaron Grant, PhD: 7-3265



TOPICS

- July 31:** The origin of the NMR signal. Nuclear magnetism. Nutation, precession, signal reception. Chemical shift. Relaxation, T1, T2. Spin dephasing, impact of gradients and magnetic field inhomogeneities.
- August 7:** Sources of contrast in MRI: T1 and T2 weighting, magnetization transfer, diffusion.
- August 14:** Overview of MR hardware. Image formation part 1. Slice selection, frequency and phase encoding.
- August 21:** No Lecture.
- August 28:** Image formation part 2. Basic k-space concepts. Accelerated imaging methods.
- September 4:** No Lecture.
- September 11:** Signal-to-Noise: Image parameters that govern SNR. Trade-offs in image optimization.
- September 18:** Pulse sequences. Gradient echo, spin echo, steady state, EPI. STIR/FLAIR/IR etc. Fat suppression. Spectroscopy with PRESS, STEAM, CSI.
- September 25:** Effects of flow and diffusion. Flow compensation, time-of-flight, phase contrast, intro to diffusion.
- October 2:** Contrast-enhanced MRI. Types of magnetic materials. Relaxivity and image contrast as a function of dose, TR, TE. Dynamic contrast enhanced imaging, angiography. BOLD effect, fMRI.
- October 9:** Accelerated imaging. Parallel imaging and compressed sensing.
- October 16:** Diffusion-weighted imaging and DTI in neuro applications.
- October 23:** Arterial spin labeling in the brain and body.
- October 30:** Artifacts and troubleshooting.



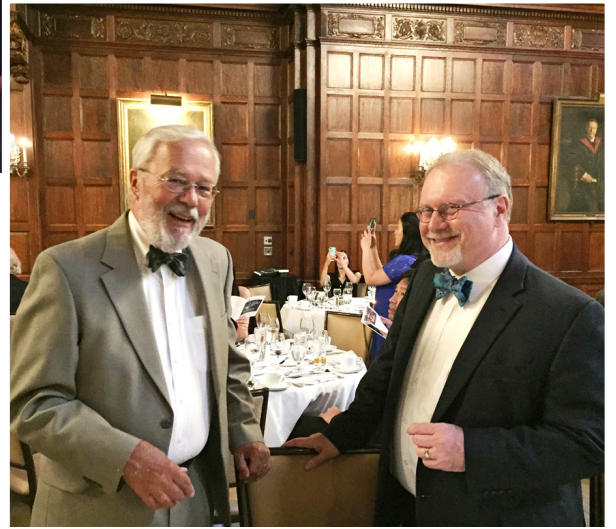
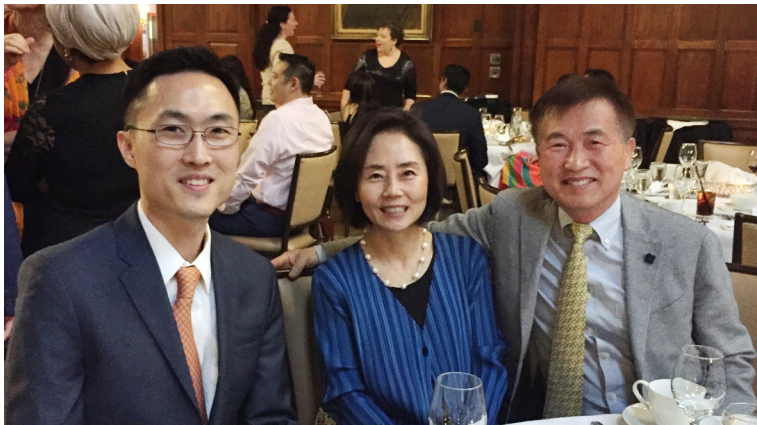


The 25th Annual Fleischner Graduation Dinner was held at the Harvard Club where our graduating residents & fellows were welcomed to their future



The abdominal imaging section with their graduating fellows look skyward to a bright future













Best wishes to all!

Stay in touch with the graduating class of 2018:

Fellows

Arwa Osamah M Badeeb , MBBS - Abd	Attending, King Abdulaziz University, Faculty of Medicine, Jeddah Saudi Arabia
A Fourie Bezuidenhout , MD - Neuro	Abdominal Imaging Fellow, BIDMC
Andrew D Chung , MD, FRCPC - Abd	Returns to University of Toronto, Canada
Andrew T Colucci , MD - Neuro	Private Practice, South Shore Hospital, South Weymouth, MA
Sarah E Schroepfel DeBacker , MD - VIR	Attending, Interventional Radiology, BIDMC
Matthew F Del Guzzo , MD - VIR	TBD
Adam Fang , MD, MBA - Br	Breast Imager, Allegheny General Hospital, Pittsburgh, PA
Andrew S Fox , MD, FRCPC - Abd	TBD
David B Khatami , MD, PhD - MSK	
Brian Hae Young Lee , MD - MSK	Private Practice Coastal Imaging, LLC, Red Bank, NJ
Yehuda Malul , MD - Cardiothoracic	Cardiothoracic attending, Hadassah Medical Center, Jerusalem, Israel
Bardia Moosavi , MD, FRCPC - Abd	TBD
Pratik S Patel , DO - VIR	Interventional Radiologist, Temple University Hospital, Philadelphia, PA
Hannah Perry , MD, MSc - Br	Breast imager, University of Vermont Medical Center, Burlington, VT
Jeffrey Rapple , MD, MS - Neuro	Private Practice, California
Arvind K Shergill , MBBS, DNB, FRCPC	Niagara Health, St. Catharines, ON, Canada
Amanda L Steinberger , DO - VIR	Radiology Associates of Canton, Canton, OH
Jennifer A Steinkeler , MD - Body MRI	Cambridge Health Alliance, Cambridge, MA
Komal K Talati , MD - Body MRI	Attending, Commonwealth Radiology Associates, Lowell, MA
Jeffrey York , DO - Neuro	Radiology, Inc., Mount Carmel Healthcare System, Columbus, OH

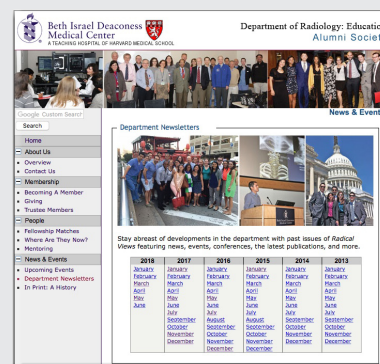
Residents

Thomas JT Anderson , MD	Body MRI Fellow, BIDMC
Benjamin W Carney , MD	IR Fellow, University of Michigan
John Cavanaugh , MD	MSK Fellow, BIDMC
Anthony M Esparaz , MD	IR Fellow, UMASS, Worcester
Daon Ha , MD	MSK Fellow, BIDMC
Christopher A Hostage , MD	Neuroradiology Fellow, BIDMC
Suma C Kannabiran , MD	Breast Imaging Fellow, UMASS
Stella Lam , MD	Body MRI, BIDMC
Jason E Song , M.D.	MSK Fellow, Duke University, NC
Catherine Wei , MD, PhD	Research Fellow (Breast Imaging), BIDMC

Also contact Radical Views Editor Donna Wolfe at dwolfe@bidmc.harvard.edu with updates, especially after completion of your residency or fellowship!

Stay in touch:

Check out our **BIDMC Radiology Alumni Society page** and access our monthly **Radical Views**

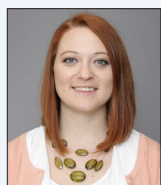


<http://radnet.bidmc.harvard.edu/education/newsletters.asp>

2018 BIDMC Radiology Publications – A PubMed search for new BIDMC publications is made each month; however, if we miss your paper, please send the reference to dwolfe@bidmc.harvard.edu. Note that 1) Epub dates are included only in publications where the Epub and paper publication dates occur in different years, i.e., Epub in 2017 and paper publication in 2018; and 2) doi addresses are only included until citations are updated with print citations; and 3) Underlined names = relatively current trainees/alumni; **BOLD** names = Faculty/Staff

Radiology Research Assistance

If you are interested in submitting an application for either internal/external research funding or hiring a student, fellow, or other, please contact **Bridget Russo** for assistance.



Bridget Russo

Research Administrator

Ansin 249 / P: 617-667-7427

bkrosso@bidmc.harvard.edu

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