

## ALUMNI NEWS

## WSU MEDICAL PHYSICS GRADUATE PROGRAM *ALUMNI UPDATE*

After a brief hiatus, our alumni newsletter is back, and we are excited to report on the continued success of the program and our graduates. Since our last newsletter, both our graduate and residency programs have been reviewed and successfully reaccredited by CAMPEP. Our MS, PhD, DMP, and Graduate Certificate programs are all accredited through 2026 and we remain the only institution in the world with all four of these programs. The Karmanos Cancer Center residency program is accredited through 2025, along with its affiliate program at the Windsor Regional Cancer Center. A new affiliate program has been initiated at KCI-Flint which is currently under review for accreditation. In August, we will welcome a new class of students which includes 2 PhD students and 6 MS students. This will bring our program total to 29 students (19 PhD, 9 MS, 1 DMP). Over the past year we had seven graduates apply for residency programs and all seven successfully acquired a position (four within the MedPhys Match and three outside the match). While the overall residency placement rate for graduates of CAMPEP accredited graduate programs remains approximately 70%, our placement rate is greater than 90% over the past 5 years. The list of residency programs in which we have placed graduates over this time period includes Karmanos Cancer Center, University of California - San Francisco, Cedars-Sinai Medical Center, Ohio State University, Stanford University, University of California - Los Angeles, and Duke University just to name a few. The high quality of our matriculating students and their residency placement rate remains consistent even as the number of accredited programs has grown dramatically. We are exceptionally proud of the performance of our students in the program and beyond and hope that you, our alumni, remain as proud of the program as we are.



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### SUMMER 2023

The Wayne State School of Medicine Medical Physics Alumni Newsletter is a publication designed to keep our alumni up to date with program news and developments. In order to continue receiving this publication, please notify us of email changes by contacting Paige Davis @ [pgdavis@med.wayne.edu](mailto:pgdavis@med.wayne.edu).

## WSU SOM MEDICAL PHYSICS GRADUATE STUDENT RESEARCH AWARD

Our annual Graduate Student Research Award competition was held on June 1st. Three excellent presentations were delivered by our graduate students Avery Peterson, Jackson Reeves, and Graham Valadie. Our judges were Drs. Michael Joiner, Steven Miller,

and Ramesh Boggula.

The winner of the 2023 WSU Medical Physics Graduate Student Research Award was Avery Peterson for his presentation entitled, "Bone Marrow Dosimetry in Radioligand Therapy using AI-Enabled Whole Body Spongiosa Segmentation and Complementary

Marrow/Lesion Maps from 99mTc-Sulfur Colloid SPECT/CT and [68Ga]Ga-PSMA-11 PET/CT".

Thanks to the generous donations of our alumni, Avery will receive a \$1000 stipend to attend the annual AAPM meeting in Houston, TX.

## AAPM Publishes New Curriculum Recommendations for Graduate Education

The AAPM recently published the Report No. 365 entitled “Academic program recommendations for graduate degrees in medical physics” which contains updated curricular guidance for medical physics graduate education. The report supersedes both Reports 197 and 197S in providing guidance to graduate programs in regarding the topics that should be covered in their curricula, to instructors regarding the breadth of coverage of relevant topics, and to CAMPEP as a basis for developing standards for graduate medical physics education. The report was published in the Journal of Applied Clinical Medical Physics and its author list included three WSU faculty members and three WSU alumni. Dr. Burmeister will present an overview of the report within the Education Council Symposium at the AAPM Annual Meeting in Houston on Sunday, July 23rd.

## WSU Medical Physics Graduates Enjoy Exceptional Residency Placement Success

While residency placement has become the bottleneck in the medical physics education and training pipeline, WSU graduates continue to enjoy success in acquiring residency positions. This year a total of 313 applicants registered for the MedPhys Match. Unfortunately, these applicants competed for only 155 positions, meaning that the success rate in securing a position in the Match remains at less than 50%. While many graduates secure accredited residency positions outside of the match, the overall success rate for graduates of CAMPEP accredited graduate programs who apply for residency positions is currently approximately 70%. This is an unfortunate statistic for many of these graduates and for our profession. Board eligibility is contingent upon the completion of an accredited residency program and the uncertainty associated with the difficulty in securing a residency position could dissuade some high quality candidates from entering our profession. Our program has traditionally provided exceptional training both in the classroom and in the clinic, with our internship and other practical clinical training opportunities. This has allowed us to build an excellent national reputation for producing high quality clinical residents. As a result, our residency placement rate is over 90% for the past five years. In fact, our overall residency placement rate is 87% since the 2012/2014 ABR residency requirement went into effect. Below is a list of graduates who went on to an accredited clinical residency program over the past 5 years.

Name	Grad Year	Residency Program	Name	Grad Year	Residency Program
Alexander Prince	2023	Karmanos - Flint	Alec Buczek	2021	Medical Physics Consulting
Garett Roe	2023	UC - San Francisco	Shupeng Chen	2021	William Beaumont Hospital
Grahm Valadie	2023	Cedars-Sinai Medical Center	Suneetha Devpura	2021	Henry Ford Hospital
Meghana Ramani	2023	Ohio State University	Eric Morris	2020	UCLA
Lewei Zhao	2022	Stanford	Kirsten DeCampos	2020	Karmanos Cancer Center
Hovakim Nazaryan	2022	Karmanos - Flint	Jeffrey Alberghini	2020	Karmanos Cancer Center
Evan Porter	2022	UC - San Francisco	Laza Rakotondravohitra	2019	Duke University
Eric Carver	2022	Henry Ford Hospital	Nick Myziuk	2019	William Beaumont Hospital
Stephen Mee	2022	Texas Oncology	An Qin	2019	William Beaumont Hospital
Tommy Etienne	2022	Baylor Scott & White	Rebecca Culcasi	2018	Karmanos Cancer Center
Danny Braithwaite	2022	Karmanos Cancer Center	Justine Cunningham	2018	Henry Ford Hospital
Alexi Jankulovski	2022	Karmanos Cancer Center	Brian Loughery	2018	Karmanos Cancer Center
Andrea Bisutti	2021	Henry Ford Hospital	Dillon Raxter	2018	University of Toledo

## The American Board of Radiology Certification Exam - WSU Experience

As an indicator of the quality of our training program, we annually evaluate the ABR exam performance of our graduates. Over the past 10 years, the average pass rate for the Part 1 general and clinical exams are 89% and 91% for WSU graduates in comparison to 67% and 73% for all examinees. Similarly, over the past 10 years, the average pass rate for the Part 2 and Part 3 exams are 92% and 68% for WSU graduates in comparison to 83% and 64% for all examinees. For those who intend to take the ABR Part 3 exam in the future, please consider registering for the annual WSU Oral Exam Review. It is free for all WSU grads!

## Dr. Michael Joiner Receives Marie Curie Award from Polish Society for Radiation Research

Michael C. Joiner, Ph.D., professor in the Division of Radiation Oncology, Department of Oncology, at the Barbara Ann Karmanos Cancer Institute and Wayne State University School of Medicine, has been awarded the Maria Skłodowska-Curie medal. Every three years, the Polish Society for Radiation Research bestows the Maria Skłodowska-Curie medal to outstanding scientists in the field of radiation chemistry and radiobiology. Dr. Joiner was the recipient of last year's award for his contributions to the field of radiobiology. Congratulations, Dr. Joiner!



Karmanos Cancer Center  
Gershenson ROC  
Detroit, MI 48201  
(313) 576-9624

[medicalphysics.med.wayne.edu](http://medicalphysics.med.wayne.edu)

Program Director  
Jay Burmeister, PhD

WSU Faculty /  
KCC Physics Group  
Geoff Baran, MS  
Ramesh Boggula, PhD  
Todd Bossenberger, MS  
Michael Joiner, PhD  
Nagaraju Mogili, MS  
Adrian Nalichowski, PhD  
Joseph Rakowski, PhD

Medical Physics Residents  
Danny Braithwaite, MS  
Alexi Jankulovski, MS

Program Coordinator  
Paige Davis

## Alumni Gathering—Monday July 24th, 2023

The annual meeting of the American Association of Physicists in Medicine runs from July 23rd to July 27th, 2023. Our annual Wayne State University Medical Physics Graduate Program Alumni Gathering will be on Monday, July 24th immediately following the AAPM Awards Ceremony. This year's gathering will be held at Gotti's Restaurant located at 811 Emanuel St. Houston, Texas 77003 at 7pm. Please feel free to visit the venue website at <https://eatgottis.com/>

We welcome all that can attend to join us to catch up with old friends and meet new ones. If you have not had the chance to meet our Graduate Student Research Award winner, Avery Peterson, he will be awarded with his certificate for winning the competition at the alumni gathering.

In addition, our Distinguished Alumnus Award will be presented to this year's selected winner!

## We want to hear from you!

We would love to hear about your accomplishments or any other information you would like to share with our alumni. If you have news to share, please contact Paige Davis at [pgdavis@med.wayne.edu](mailto:pgdavis@med.wayne.edu). We look forward to hearing from you!