

# University of Maryland School of Medicine

## Department of Radiation Oncology

### Education



**Sarah Anne McAvoy, MD**  
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Vice Chair for Education  
Residency Program  
Director



**Arun Gopal, PhD**  
Assistant Professor  
Medical Physics Residency  
Program Director



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Education Program  
Manager

In the last 10 years >55% of medical residents transitioned into academic positions (national average <40%)

**Our program's mission is to cultivate an educational environment that provides the full spectrum of learning opportunities in clinical radiation oncology, medical physics, and radiobiology, including:**

- Robust, diverse educational experiences and clinical training
- Research opportunities supported by faculty mentorship
- A multi-D approach in academic and community care settings
- A culture of high-quality and compassionate patient care
- A diverse array of technologies and clinical trials.

#### Department Educational Training Programs

##### Medical Residency Program

- 4-year training program accredited by ACGME since 1973; 11 residents
- Top 15 nationally for research publication productivity (25 pubs FY22)
- Well-rounded didactics and lectures in all areas of radiation oncology
- DEIinRO social education series and representation on DEI Committee.

##### Medical Physics Residency Program

- 2-year training program accredited by CAMPEP since 2012; 3 residents
- 45% of graduates are current UMSOM faculty members.

##### Medical Student/Undergraduate Education and Clerkships

- 63 UMSOM students shadowed in FY22 through Exploring Careers in Medicine program
- 5 in-person clerkship rotators in FY22; virtual clerkship launched FY20
- 4 UMSOM summer student fellows through UM OSR in FY22
- 4 UMCP students and 4 high school students shadowed in FY22
- 10-week physics student rotation from AAPM diversity program in FY22
- UMCP undergraduate student shadow opportunities.

##### Dr. Nancy K. Welker Fellowship in Proton Therapy and Advanced Radiation Modalities

- 1-year training in unique patient technologies for a first-year physician.

##### Graduate Medical Physics Certificate Program

- 18-credit UM Graduate School certificate for physics students.

#### Annual International Educational Events and Courses

- "Best of" Radiation Oncology Symposium (offered for past 18 years): annual review of major standard-of-care updates and technology advances
- Physics and Radiobiology Review Course (20 years): for senior residents
- Mock Orals Course (5 years): board study course for radiation oncologists
- Hyperthermia Therapy Practice School (2019 and 2022)

>\$12,000 of support per resident for publications, presentations, conference attendance, books, computers, and wellness

20 medical students and 4 undergraduates mentored by department faculty on 26 research projects in FY22