

## CLINICAL MEDICAL PHYSICS RESIDENCY PROGRAM

The US Oncology Network is developing a two-year Radiation Oncology Clinical Medical Physics Residency Program. The program is designed for candidates with masters or doctoral degrees, in medical physics, who are interested in careers as clinical medical physicists in radiation oncology. The program's self-study was submitted to [Commission on Accreditation of Medical Physics Education Programs \(CAMPEP\)](#) in 2021 and we hope to achieve accreditation in time for 2022 applications, with an initial resident starting in 2023.

This program concentrates on the medical use of physics in the treatment of cancer patients.

There are rotations in 12 clinical physics topics:

1. Basic External Beam Treatment Planning and MU Calculations
2. Imaging and Simulators in Radiation Therapy
3. Linear Accelerator QA & Dosimetric Systems
4. External Beam Treatment Simulation, Planning, and Treatment Guidance
5. Linear Accelerator Acceptance Test Protocol, Survey, and Commissioning
6. Brachytherapy
7. Special Procedures
8. External Beam Treatment Planning System and Radiation Oncology Information System Commissioning
9. Proton Therapy
10. Radiation Safety and Shielding Design
11. Stereotactic Radiosurgery and Radiotherapy
12. Medical Physics professional issues

The residents will be involved in every aspect of day-to-day clinical duties, as well as acceptance and commissioning of new equipment, special procedures, and facility design. Residents will participate in chart rounds, tumor conferences, physics meetings, journal clubs, and assigned readings. The residents will be examined orally for each rotation, as well as a final comprehensive oral exam required for program completion. A detailed program description can be obtained [here](#). Information on program statistics and residents can be found [here](#).

### Residency Environment

The US Oncology Network is a network of more than 1300 physicians and oncology specialists with more than 400 locations, including 140 radiation oncology clinics. Practices in The US Oncology Network house multiple programs in IMRT, IGRT, SRS, SBRT, HDR and LDR brachytherapy, radiopharmaceuticals, the Texas Center for Proton Therapy, and state of the art imaging equipment. The residency takes full advantage of the system-wide equipment and clinical resources to provide residents a broad training experience.

The residents work under the supervision of American Board of Radiology (ABR) board certified medical physics faculty. They also work closely with radiation oncologists, dosimetrists, nurses, and other radiation oncology personnel.

The US Oncology Network offers a comprehensive benefits package for residents, including medical, dental, vision, life, short- and long-term disability insurance.

### **Application**

Only those applicants with a M.S., Ph.D., or certificate from a CAMPEP accredited medical physics graduate program will be considered for entrance to the residency program. North American graduate programs in medical physics can be found [here](#).

Applications are accepted from early October through December 15 each year. Applications will be submitted through the [AAPM common application website](#). The US Oncology Network residency program will participate in the Medical Physics Residency Match system.

Additional application materials may be requested, including residency/visa status (copies of I-90 green card or visa if applicable) and a copy of the applicant's driver's license.