

Who Can Apply?

We are seeking individuals with an M.S. or Ph.D. degree in Medical Physics to join our 2 year, CAMPEP Accredited, Radiation Oncology Medical Physics Residency Program. The program intends to provide residents with a broad clinical training using state of the art equipment. OSU accepts applications via the Medical Physics Residency Application Program (MP-RAP) and participates in the MP-RAP MedPhys Match.



Program Administration

Nilendu Gupta, Ph.D., FAAPM

Professor & Chief Medical Physicist
Director, Medical Physics Residency Program

Jeffery Woollard, Ph.D.

Assistant Professor & Associate Director,
Medical Physics Residency Program

Meg Decker

Education Program Manager



If you, or someone you know, would like to know more information about the opportunities OSU has to offer, please contact our Education Program Manager, Meg Decker.



Contact Information

Meg Decker

Education Program Manager

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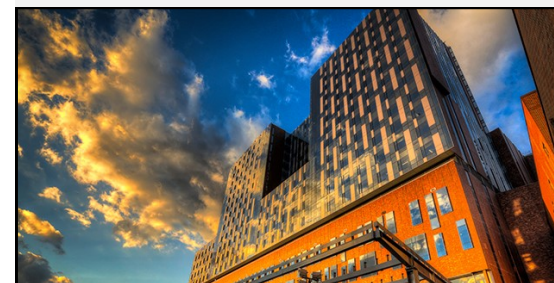


Radiation Oncology Medical Physics Residency Program



The Ohio State University

Arthur G. James Cancer Hospital &
Richard J. Solove Research Institute



The James



THE OHIO STATE UNIVERSITY
WEXNER MEDICAL CENTER

Program Overview

The Arthur G. James Cancer Hospital & Richard J. Solove Research Institute at The Ohio State University Wexner Medical Center offers a two year Radiation Oncology Medical Physics Residency Program. The Ohio State University, Department of Radiation Oncology supports the James Cancer Hospital, the Stephanie Spielman Comprehensive Breast Center and the University Hospitals, and treats over 230 patients per day in a strong multimodality program, including radiosurgery, stereotactic body radiotherapy, intraoperative radiotherapy, brachytherapy, pediatric oncology, with an Ambulatory Services expansion including Proton Therapy expected to open in 2022.

The medical physics residency program is under the supervision of the Physics Residency Program faculty, and provides two years of clinical training in radiation oncology physics to individuals with an M.S. or Ph.D. degree in Medical Physics. Our residency program has been in place since 2003, and the program received initial CAMPEP Accreditation in 2012. The program commences July 1st each year, and currently supports a total of five physics residents.

The training involves full participation by the physics resident in the routine clinical activities, in addition to didactic lectures on radiation physics, dosimetry, and radiation oncology. Comprehensive training and experience is provided in the areas of clinical dosimetry, treatment planning, IGRT, IMRT, VMAT, brachytherapy, machine calibration, quality assurance, special procedures, radiation safety, and involvement in translational projects.



State of the Art Equipment

- 9 Varian Truebeam Accelerators
- Mobetron Intra-Operative Accelerator
- Gamma Knife Icon
- Varian GammaMed Plus HDR System
- Siemens and GE 4DCT Simulators
- MRI Simulator
- Integrated Brachytherapy Suite
- BodyTom mobile CT
- Varian Eclipse TPS/BrachyVision/VariSeed
- Calypso
- Optical Surface Monitoring System (OSMS)
- ARIA Record and Verification System
- E-Charting environment
- Proton Therapy System (expected 2022)
- Non-Clinical Training Truebeam & Aria/Eclipse Environment



Rotations

Year 1

Orientation
Dosimetry A
External A
Brachytherapy A
SRS/SRT/SBRT A
External B
Elective

Year 2

Brachytherapy B
SRS/SRT/SBRT B
Shielding and Commissioning
Dosimetry B
Admin. & Professional
Clinical Coverage

Didactics / Testing

- Physics Conference
- Physics/Dosimetry Didactic Series
- Clinical Didactics
- Radiobiology
- Chart Rounds
- Journal Club
- M&M, Teaching Conference
- End of Rotation Oral Exams
- Raphex Exam at end of year 1 & year 2
- Annual Oral Exams—ABR Style Mock
- OSU Classes available through benefits

