

Radiation Oncology Institute



The ROI is ASTRO's Research Foundation, established to heighten the critical role of radiation oncology in the treatment of cancer through research.

ACCELERATING PRACTICE TRANSFORMATION

When you support the ROI, you are investing in research to help radiation oncology be a leader in the movement toward more patient-centered, quality health care. Together, we are fueling innovation that addresses the practical needs of radiation oncology in the changing health care landscape.



MAKING A DIFFERENCE FOR GROUND-BREAKING RESEARCHERS

You are supporting early career investigators seeking solutions to improve radiation therapy delivery for vulnerable populations.



“ROI’s funding is important to my research as the outcome of this study will have a positive impact on patients’ lives, offer health strategies to legislative bodies and spread awareness about a growing silent population in our oncology community.”

– **Oluwadamilola T. Oladeru, MD, MA**

*2020 Improving Diversity and Inclusion in Radiation Oncology Award Winner
James D. Cox Resident Research Award Winner*

Dr. Oladeru and her team are studying cancer care in the federal prison system by measuring the cancer incidence and mortality, characterizing the utilization of radiation treatment, describing patterns of disease presentation and disparities in access to care and developing an integrated value-based model for cancer care delivery.

You are helping to diversify the radiation oncology workforce to enhance care for medically underserved communities.



“I believe a key component to recruiting any student into radiation oncology is ensuring exposure to the specialty in the first place. Only then, once interest has been inspired, can effective mentoring help shape that student into a strong candidate for a radiation oncology residency position.”

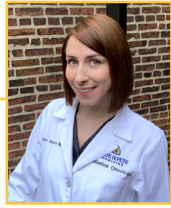
– **Malcolm Mattes, MD**

2020 Improving Diversity and Inclusion in Radiation Oncology Award Winner

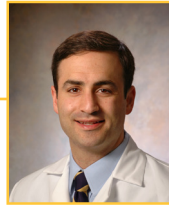
Dr. Mattes and his team are launching a program to develop a more diverse radiation oncology workforce by introducing African American and Latinx students to the specialty earlier in medical school and will measure its impact on residency applications and matches.

DELIVERING SOLUTIONS TO ADVANCE PRACTICE

You are funding research to increase understanding and awareness of radiation therapy, personalize treatment and improve cancer patients' quality of life and outcomes.



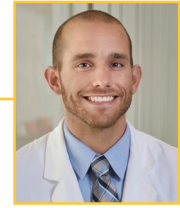
Dr. Sara Alcorn



Dr. Daniel Golden



Dr. Stephanie Terezakis



Dr. Adam Wolfe

- ▶ **Sara Alcorn, MD, PhD, and Crystal Aguh, MD,** are leading a team developing a web-based tool that will objectively assess acute skin toxicity in patients with a wide range of skin tones who are receiving radiotherapy to treat breast cancer.
- ▶ **Daniel Golden, MD, MHPE,** and his team are creating three new guides in the "Communicating the External Beam Radiotherapy Experience" (CEBRE) series that explain the treatment process in a graphic narrative format. The guides will be tailored for patients with breast, lung and prostate cancer and will be available online for free to all clinics.
- ▶ **G. Nic Rider, PhD, and Stephanie Terezakis, MD,** are leading a team working to improve cancer care for the LGBTQ+ community by assessing current health care practices and the training needs of providers working in radiation oncology with LGBTQ+ patients.
- ▶ **Adam Wolfe, MD, PhD,** and his team are using biological tumor markers, specifically microRNAs, to determine which patients with pancreatic cancer are most likely to benefit from radiation therapy.

ROI RESEARCH IS YIELDING A RETURN ON INVESTMENT


\$3.4 million
Invested in radiation oncology research



25
Teams of the best and brightest investigators



59
Scientific presentations and manuscripts



5,000+
Clinicians using the RadOnc Toolbox app



1 MILLION+
U.S. cancer patients treated with radiation therapy this year who could experience better outcomes



FORGING A PATH FOR THE FUTURE OF RADIATION ONCOLOGY

The ROI envisions a future when all cancer patients who could benefit from radiation therapy receive it, and every member of the profession is an integral part of the multidisciplinary team where they practice. Your investment in the ROI today will help drive practice transformation and ensure that radiation oncology is a leader in the cancer care of tomorrow.

Visit www.roinstitute.org to make your donation.