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## The Andrew Jackson Lab

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Andrew Jackson, PhD

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I am an associate attending medical physicist in the Computer Service of the Department of Medical Physics. Throughout my career, I have focused on the use of computer optimization to strike a balance between achieving local tumor control with therapeutically effective doses of radiation and minimizing damage to surrounding healthy tissue. To this end, I create software to optimize and evaluate treatment plans for external beam radiation therapy. I also work in the Predictive Informatics Service, studying the relationship between treatment outcome and the amount of radiation received by a tumor and normal tissue during radiotherapy for prostate, lung, head and neck, and paraspinal cancers.

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## People

### Andrew Jackson, PhD

Medical physicist Andrew Jackson studies the relationship between radiotherapy dose distributions and treatment outcome and the optimization of radiotherapy treatment planning.


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Lab Affiliations

+

### Get in Touch

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### Disclosures

Doctors and faculty members often work with pharmaceutical, device, biotechnology, and life sciences companies, and other organizations outside of MSK, to find safe and effective cancer treatments, to improve patient care, and to educate the health care community.

MSK requires doctors and faculty members to report ("disclose") the relationships and financial interests they have with external entities. As a commitment to transparency with our community, we make that information available to the public.

Andrew Jackson discloses the following relationships and financial interests:

American Association of Physicists in Medicine (AAPM)

Fiduciary Role / Position

Radiological and Medical Physics Society of New York (RAMPS)

Professional Services and Activities

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This page and data include information for a specific MSK annual disclosure period (January 1, 2022 through disclosure submission in spring 2023). This data reflects interests that may or may not still exist. This data is updated annually.

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