



# Find Faculty & Laboratory Staff

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## A



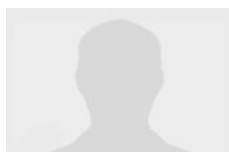
### [Amols, Howard I.](#)

Chief, Clinical Physics Service

#### **Memorial Hospital Research Laboratories**

Medical physicist Howard Amols develops advanced radiation therapy treatment techniques including image-guided radiation therapy and intensity-modulated radiation therapy.

## B



### [Blasberg, Ronald G.](#)

#### **Molecular Pharmacology & Chemistry Program**

Physician-scientist Ronald Blasberg focuses on the development of noninvasive imaging paradigms in living organisms using radionuclide and optical reporter systems.

## C

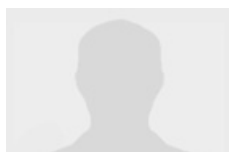


### [Carrasquillo, Jorge A.](#)

#### **Memorial Hospital Research Laboratories**

Physician-scientist Jorge Carrasquillo focuses on the development of targeted radioimmunotherapy drugs.

## D



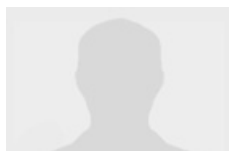
### [Deasy, Joseph O.](#)

Chair, Department of Medical Physics; Enid A. Haupt Chair in Medical Physics

#### **Memorial Hospital Research Laboratories**

Medical Physics Department Chair Joseph Deasy focuses on integration and analysis of dose, imaging, and molecular data to predict outcomes and guide personalized treatments.

## F

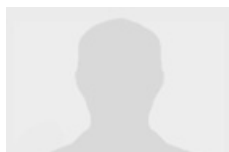


### [Fuks, Zvi](#)

#### **Molecular Pharmacology & Chemistry Program**

Zvi Fuks studies mechanisms of radiation-induced damage and the clinical basis of radiation resistance.

## G



### [Grimm, Jan](#)

#### **Molecular Pharmacology & Chemistry Program**

Radiologist Jan Grimm develops novel activatable molecular imaging approaches for improved detection and monitoring of prostate and other cancers.

## H



### [Hricak, Hedvig](#)

#### **Molecular Pharmacology & Chemistry Program**

Radiologist Hedvig Hricak researches methodologies of molecular imaging of prostate and gynecologic tumors.



**Humm, John L.**

**Memorial Hospital Research Laboratories**

Medical physicist John Humm focuses on noninvasive imaging of the tumor microenvironment using nuclear imaging methods.

**J**



**Jackson, Andrew**

**Memorial Hospital Research Laboratories**

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

**K**



**Kircher, Moritz F.**

**Memorial Hospital Research Laboratories**

Physician-scientist Moritz Kircher develops novel molecular imaging approaches with a focus on surface-enhanced Raman spectroscopy and magnetic resonance imaging.



**Kolesnick, Richard N.**

**Molecular Pharmacology & Chemistry Program**

Physician-scientist Richard Kolesnick studies the role of ceramide signaling in radiation-induced vascular dysfunction and tumor regression.

**L**



**Larson, Steven M.**

**Molecular Pharmacology & Chemistry Program**

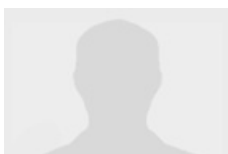
Radiologist Steven Larson focuses on molecular imaging in animals and humans using high-resolution diagnostic instruments, such as positron emission tomography, and single photon emission tomography.



**Lewis, Jason S.**

**Memorial Hospital Research Laboratories**

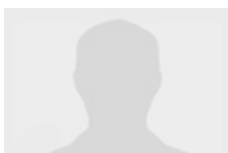
Radiochemist Jason Lewis develops radiopharmaceuticals for the imaging and therapy of cancer.



**Li, Gloria C.**

**Memorial Hospital Research Laboratories**

Radiation scientist Gloria Li studies the response of cells to stressors such as heat and radiation.

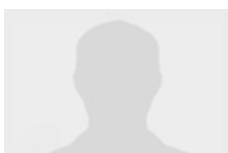


**Ling, C. Clifton**

**Molecular Pharmacology & Chemistry Program**

Imaging specialist Clifton Ling focuses on the study and noninvasive imaging of tumor hypoxia.

**M**



**Mageras, Gikas S.**

Chief, Computer Service

**Memorial Hospital Research Laboratories**

Medical physicist Gikas Mageras focuses on radiation treatment planning and verification using CT images to guide radiation treatment and monitor and correct for patient internal and external movement during treatment delivery.

**P**



**Powell, Simon N.**

**Molecular Biology Program**

Molecular biologist Simon Powell investigates DNA replication and recombination, chromosome dynamics, and human genetics.

**R**



**Rajadhyaksha, Milind**

**Memorial Hospital Research Laboratories**

Optical engineer Milind Rajadhyaksha studies confocal microscopy for the imaging of cancer, technology development, and translational and clinical studies in skin and head and neck cancers.



**Rao, Shyam S.**

**Memorial Hospital Research Laboratories**

Physician-scientist Shyam Rao studies the role of the tumor microenvironment in tumorigenesis and response to radiation therapy.

**S**



**Scheinberg, David A.**

Chair, Molecular Pharmacology & Chemistry Program, SKI

**Molecular Pharmacology & Chemistry Program**

Molecular Pharmacology and Chemistry Program Chair David Scheinberg focuses on the discovery and development of novel, specific immunotherapeutic agents and targeted nanodevices for cancer therapy.

**Y**



**Yoon, Sam S.**

**Memorial Hospital Research Laboratories**

Physician-scientist Sam Yoon studies the role of tumor microenvironment in the progression and radiation response of sarcomas and gastric cancer.

**Z**



**Zanzonico, Pat B.**

**Memorial Hospital Research Laboratories**

Medical physicist Pat Zanzonico focuses on radionuclide-based methods for detecting and localizing tumor hypoxia, immune effector-cell trafficking, patient-specific dosimetry for radionuclide therapies, and small-animal and molecular imaging.