

# Department of Radiation Oncology

Website: <http://radonc.wustl.edu>

## Faculty

### Dennis Hallahan, MD

Department Head

### Maria Thomas, MD

Clerkship Director

### Joanna Yang, MD

Clinical Residency Program Director

### Michael Altman, PhD

Medical Physics Residency Program Director

Director of Education in Medical Physics

Visit our website for more information about our faculty and their appointments.

## A

### Christopher Abraham, M.D.

Associate Professor of Radiation Oncology (primary appointment)

Associate Professor of Medicine

Bachelor of Science, Medical College of Georgia, 2005

Doctor of Medicine, Saint Louis University, 2006

### Michael Bernard Altman, Ph.D.

Associate Professor of Radiation Oncology (primary appointment)

Doctor of Philosophy, University of Chicago, 2010

### Anthony John Apicelli, Ph.D., M.D.

Associate Professor of Radiation Oncology (primary appointment)

Bachelor of Science, Princeton University, 1999

Doctor of Philosophy, Washington University in St Louis, 2009

Doctor of Medicine, Washington University in St Louis, 2009

## B

### Carmen Renee Bergom, M.S., Ph.D., M.D.

Associate Professor of Radiation Oncology (primary appointment)

Bachelor of Science, Massachusetts Institute of Technology, 1998

Master of Science, University of Cambridge, 1999

Doctor of Philosophy, Medical College of Wisconsin, 2006

Doctor of Medicine, Medical College of Wisconsin, 2008

### Amit Bhatt, Ph.D., M.D.

Assistant Professor of Radiation Oncology (primary appointment)

Bachelor of Science, University of Michigan Dearborn, 1997

Doctor of Philosophy, University of Wisconsin, 2002

Doctor of Medicine, Rush University, 2006

### Walter R Bosch, M.S., D.Sc., B.E.E.

Professor of Radiation Oncology (primary appointment)

Bachelor of Electrical Engineering, Washington University in St Louis, 1980

Master of Science, Washington University in St Louis, 1983

Doctor of Science, Washington University in St Louis, 1990

## C

### Douglas Ford Caruthers, M.S.

Instructor in Radiation Oncology (primary appointment)

Master of Science, University of Texas Health Science Center, 2010

### Li-Yun Chen, Ph.D.

Instructor in Radiation Oncology (primary appointment)

Doctor of Philosophy, Keele University, 2019

### Jessika Contreras, M.D.

Associate Professor of Radiation Oncology (primary appointment)

Bachelor of Arts, Johns Hopkins University, 2009

Bachelor of Science, Johns Hopkins University, 2009

Doctor of Medicine, University of South Florida, 2014

### David T Curiel, Ph.D., M.D.

Professor of Radiation Oncology (primary appointment)

Distinguished Professor of Radiation Oncology

Professor of Medicine

Professor of Obstetrics and Gynecology

Bachelor of Arts, West Georgia College, 1978

Doctor of Medicine, Emory University, 1982

Doctor of Philosophy, University of Groningen, 2000

## D

### Arash Darafsheh, M.S., Ph.D.

Associate Professor of Radiation Oncology (primary appointment)

Bachelor of Science, University of Tehran, 2004

Master of Science, University of North Carolina at Charlotte, 2011

Doctor of Philosophy, University of Pennsylvania, 2015

### Jennifer De Los Santos, M.D.

Professor of Radiation Oncology (primary appointment)

Doctor of Medicine, University of Florida, 1995

### Carl J. DeSelm, Ph.D., M.D.

Assistant Professor of Radiation Oncology (primary appointment)

Bachelor of Science, Dartmouth College, 2004

Doctor of Medicine, Washington University in St Louis, 2012

Doctor of Philosophy, Washington University in St Louis, 2016

### Venkata Rao Devineni, M.D.

Voluntary Clinical Associate Professor of Radiation Oncology

Doctor of Medicine, Osmania Medical College, 1973

### Igor Dmitriev, Ph.D.

Associate Professor of Radiation Oncology (primary appointment)

Doctor of Philosophy, SRC Vector, 1994

### Robert E Drzymala, Ph.D.

Professor Emeritus of Radiation Oncology

Bachelor of Science, Northern Illinois University, 1972

Doctor of Philosophy, University of Oklahoma, 1977

## E

### **Sharbacha Edward, Ph.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Doctor of Philosophy, University of Texas M.D. Anderson Cancer Center, 2022

## F

### **Farnoush Forghani-Arani, M.S., Ph.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, Shiraz University of Medical Sciences, 2000  
Master of Science, University of Tehran, 2002  
Doctor of Philosophy, Colorado School of Mines, 2013

## G

### **H Michael Gach, Ph.D.**

Professor of Radiation Oncology (primary appointment)  
Professor of Radiology  
Doctor of Philosophy, University of Pittsburgh, 1998

### **Jose L Garcia, M.S.**

Assistant Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, University of Puerto Rico, 1995  
Master of Science, Rosalind Franklin University of Medicine and Science (Formerly Finch University of Health Sciences), 1997

### **Hiram Alberto Gay, M.D.**

Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, University of Puerto Rico, 1996  
Doctor of Medicine, University of Puerto Rico, 2000

### **Sreekrishna M Goddu, M.S., Ph.D.**

Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, Andhra University, 1983  
Master of Science, Andhra University, 1985  
Doctor of Philosophy, Andhra University, 1991

### **Yuxing Gu, Ph.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Doctor of Philosophy, University of Missouri Columbia, 2000

## H

### **Lannis Hall, M.P.H., M.D.**

Voluntary Clinical Associate Professor of Radiation Oncology  
Bachelor of Arts, University of Michigan (Duplicate of University of Michigan Ann Arbor), 1988  
Doctor of Medicine, Howard University, 1992  
Master of Public Health, Saint Louis University, 1995

### **Dennis E Hallahan, M.D.**

Professor of Radiation Oncology (primary appointment)  
Professor of Cell Biology and Physiology  
Professor of Pathology and Immunology  
Professor of Molecular Microbiology  
Professor of Biomedical Engineering  
Bachelor of Science, University of Illinois at Urbana-Champaign, 1980

Doctor of Medicine, Rush University, 1984

### **Yao Hao, Ph.D.**

Associate Professor of Radiation Oncology (primary appointment)  
California, 2004  
Doctor of Philosophy, University of Massachusetts Lowell, 2016

### **Joseph Harms, Ph.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Doctor of Philosophy, Georgia Institute of Technology-Main Campus, 2018

### **Ibrahim Hatipoglu, M.S., Ph.D.**

Instructor in Radiation Oncology (primary appointment)  
Bachelor of Science, Istanbul University, 2004  
Master of Science, University of Anatolia, 2006  
Doctor of Philosophy, University of Anatolia, 2012

### **Dean Hobbis, M.S., Ph.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, Eckerd College, 2015  
Master of Science, University of South Florida, 2018  
Doctor of Philosophy, University of South Florida, 2020

### **Donghua Hu, Ph.D.**

Instructor in Radiation Oncology (primary appointment)  
Bachelor of Science, Anhui University of Traditional Chinese Medicine (#####), 2011  
Doctor of Philosophy, University of Tasmania, 2018

### **Jiayi Huang, M.D.**

Professor of Radiation Oncology (primary appointment)  
Doctor of Medicine, University of Massachusetts Medical School Worcester, 2007

### **Geoffrey Douglas Hugo, Ph.D.**

Professor of Radiation Oncology (primary appointment)  
Director - Physics Division, Medical Physics  
Professor of Computer Science and Engineering  
Endowed Professor of Radiation Oncology  
Doctor of Philosophy, University of California Los Angeles, 2003

## K

### **Vaishali Kapoor, M.S., Ph.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Bachelor of Arts, Delhi University, 2006  
Master of Science, All India Institute of Medical Sciences, 2008  
Doctor of Philosophy, All India Institute of Medical Sciences, 2013

### **Sana D Karam, M.S., M.D., Doctorate**

Professor of Radiation Oncology (primary appointment)  
Elizabeth H and James S McDonnell III Distinguished Professor of Medicine  
Head of the Department of Radiation Oncology  
Bachelor of Science, American University of Beirut, 1991  
Master of Science, University of Maryland at Baltimore, 1994  
Doctorate, University of Washington, 2001  
Doctor of Medicine, Georgetown University, 2008

### **Hyun Kim, M.D.**

Associate Professor of Radiation Oncology (primary appointment)

Bachelor of Science, University of California, 2006  
Doctor of Medicine, University of Pittsburgh, 2012

**Taeho Kim, Ph.D.**

Professor of Radiation Oncology (primary appointment)  
Doctor of Philosophy, Washington University in St. Louis, 2007

**Nels C Knutson, M.S., Ph.D.**

Associate Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, University of Montana Missoula, 2009  
Master of Science, Louisiana State University, 2012  
Doctor of Philosophy, University of Massachusetts Lowell, 2016

## L

**Susan Joy Laduzinsky, M.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Doctor of Medicine, University of Illinois at Chicago, 1983

**Heui Chang Lee, M.S., Ph.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, Hanyang University, 2009  
Master of Science, Seoul National University, 2011  
Doctor of Philosophy, Purdue University-Main Campus, 2016

**Jason Dole Lee, Ph.D., M.D.**

Associate Professor of Radiation Oncology (primary appointment)  
Doctor of Philosophy, Duke University, 2009  
Doctor of Medicine, Duke University, 2010

**Hua Li, Ph.D.**

Professor of Radiation Oncology (primary appointment)  
Doctor of Philosophy, Huazhong University of Science and Technology (#####, HUST), 2001

**Hsiu-San Lin, Ph.D., M.D.**

Professor Emeritus of Radiation Oncology  
Doctor of Medicine, National Taiwan University, 1960  
Doctor of Philosophy, University of Chicago, 1968

**Zhi Hong Lu, Ph.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, Fudan University (#####), 1990  
Doctor of Philosophy, University of Mississippi Medical Center, 1999

## M

**Mustafaa Saleem Mahmood, M.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Bachelor of Arts, Saint Louis University, 2015  
Doctor of Medicine, Southern Illinois University School of Medicine (SIU-SOM), 2019

**Stephanie Markovina, M.D.**

Associate Professor of Radiation Oncology (primary appointment)  
Doctor of Medicine, University of Wisconsin Madison, 2010

**Thomas Rolf Mazur, Ph.D.**

Associate Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, Union College New York, 2007  
Doctor of Philosophy, University of Texas Austin, 2014

**Jeff Michael Michalski, M.B.A., M.D.**

Professor of Radiation Oncology (primary appointment)  
Carlos Perez Distinguished Professor of Radiation Oncology  
Director - Clinical Division, Clinical Programs  
Vice Chair - Department of Radiation Oncology  
Professor of Radiology  
Bachelor of Science, University of Wisconsin Madison, 1982  
Doctor of Medicine, Medical College of Wisconsin, 1986  
Master of Business Administration, Washington University in St. Louis, 2001

**Justin Mikell, Ph.D.**

Associate Professor of Radiation Oncology (primary appointment)  
Associate Professor of Radiology  
Bachelor of Science, University of Illinois at Urbana-Champaign, 2002  
Doctor of Philosophy, University of Texas Houston, 2015

**Timothy John Mitchell, M.S., Ph.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, John Carroll University, 2005  
Master of Science, Washington University in St. Louis, 2007  
Doctor of Philosophy, University of Missouri in St. Louis, 2014

**Allen Mo, Ph.D., M.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Bachelor of Arts, Colgate University, 2011  
Doctor of Philosophy, University of Connecticut, 2018  
Doctor of Medicine, University of Connecticut, 2018

**Eric Daniel Morris, Ph.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, Michigan Technological University, 2015  
Doctor of Philosophy, Wayne State University, 2020

**Naoshad Muhammad, M.S., Ph.D.**

Instructor in Radiation Oncology (primary appointment)  
Bachelor of Science, Bundelkhand University, 2005  
Master of Science, Jamia Hamdard University, 2009  
Doctor of Philosophy, Savitribai Phule Pune University, 2016

**Robert J Myerson, Ph.D., M.D.**

Professor Emeritus of Radiation Oncology  
Bachelor of Arts, Princeton University, 1969  
Doctor of Philosophy, University of California, 1974  
Doctor of Medicine, University of Miami, 1980

## N

**Gilbert H Nussbaum, M.A., Ph.D.**

Associate Professor Emeritus of Radiation Oncology  
Bachelor of Science, City College, 1960  
Master of Arts, Harvard University, 1962  
Doctor of Philosophy, Harvard University, 1967

## O

**Seung Jong Oh, M.S., Ph.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, Korea Advanced Institute of Science & Technology, 2001

Master of Science, Catholic University of Korea, 2003  
Doctor of Philosophy, Catholic University of Korea, 2011

## P

### **Stephanie Mabry Perkins, M.D.**

Professor of Radiation Oncology (primary appointment)  
S. Lee Kling Endowed Chair of Radiation Oncology  
Bachelor of Science, Union University, 2001  
Doctor of Medicine, University of Tennessee at Memphis, 2005

### **James Vernon Piephoff, M.D.**

Voluntary Clinical Instructor in Radiation Oncology  
Bachelor of Science, Citadel Military College of South Carolina, 1985  
Doctor of Medicine, University of South Carolina (Duplicate of University of South Carolina Columbia), 1989

### **Michael Thomas Prusator, M.S., Ph.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, University of Ozarks, 2012  
Master of Science, University of Oklahoma Health Sciences Center, 2014  
Doctor of Philosophy, University of Oklahoma Health Sciences Center, 2018

### **James A Purdy, M.A., Ph.D.**

Emeritus Professor of Radiation Oncology  
Bachelor of Science, Lamar University, 1967  
Master of Arts, University of Texas Austin, 1969  
Doctor of Philosophy, University of Texas Austin, 1971

## R

### **Nikhil Rammohan, M.S., M.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, Johns Hopkins University, 2008  
Master of Science, Johns Hopkins University, 2009  
Doctor of Medicine, Northwestern University, 2018

### **James Randall, M.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, University of Texas, 2015  
Doctor of Medicine, University of Texas Medical Branch at Galveston, 2019

### **Clifford Grant Robinson, M.D.**

Professor of Radiation Oncology (primary appointment)  
Professor of Medicine  
Bachelor of Science, University of Pittsburgh, 2000  
Doctor of Medicine, Case Western Reserve University, 2004

### **Buck Edward Rogers, M.A., Ph.D.**

Professor of Radiation Oncology (primary appointment)  
Professor of Radiology  
Bachelor of Science, Loyola University Chicago, 1989  
Master of Arts, Washington University in St Louis, 1991  
Doctor of Philosophy, Washington University in St Louis, 1995

### **Tapan Roy, M.S.**

Voluntary Clinical Instructor in Radiation Oncology

Master of Science, Baroda Medical College, 1974

## S

### **Ziad Saleh, M.S., Ph.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Master of Science, University of Florida, 2003  
Doctor of Philosophy, Florida Institute of Technology, 2010

### **Pamela Parker Samson, M.A., M.P.H., M.S., M.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Bachelor of Arts, University North Carolina, 2001  
Master of Arts, University of Washington, 2003  
Master of Science, University of Cincinnati-Main Campus, 2007  
Doctor of Medicine, University of Cincinnati-Main Campus, 2011  
Master of Public Health, Washington University in St Louis, 2020

### **Matthew Schmidt, M.S., Ph.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, Valdosta State University, 2011  
Master of Science, Duke University, 2013  
Doctor of Philosophy, University of Massachusetts Lowell, 2022

### **Julie K Schwarz, Ph.D., M.D.**

Professor of Radiation Oncology (primary appointment)  
Director - Cancer Biology Division  
Vice Chair - Research  
Professor of Cell Biology and Physiology  
Bachelor of Science, Duke University, 1995  
Doctor of Philosophy, Washington University in St Louis, 2004  
Doctor of Medicine, Washington University in St Louis, 2004

### **Joseph Rogers Simpson, Ph.D., M.D.**

Professor Emeritus of Radiation Oncology  
Bachelor of Arts, Cornell University, 1963  
Doctor of Philosophy, University of Chicago, 1967  
Doctor of Medicine, Harvard University, 1973

### **Christopher Spencer, M.A., M.D.**

Voluntary Clinical Instructor in Radiation Oncology  
Master of Arts, Truman State University (Duplicate of Truman State University (Formerly Northeast Missouri State University)), 2006  
Doctor of Medicine, Saint Louis University, 2010

### **William L Straube, M.E.E.**

Associate Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, University of Illinois at Urbana-Champaign, 1983  
Master of Electrical Engineering, Washington University in St Louis, 1992

## T

### **Maria A Thomas, Ph.D., M.D.**

Associate Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, Creighton University, 2000  
Doctor of Philosophy, Saint Louis University, 2006  
Doctor of Medicine, Saint Louis University, 2008

### **Wade L Thorstad, M.D.**

Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, Trinity University, 1986

Doctor of Medicine, University of Texas Austin, 1991

## V

### **Gregory Riccardo Vlacich, Ph.D., M.D.**

Associate Professor of Radiation Oncology (primary appointment)  
Doctor of Philosophy, University of Chicago, 2007  
Doctor of Medicine, University of Chicago, 2009

## W

### **Phillip Douglas Hardenbergh Wall, M.S., Ph.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, Davidson College, 2014  
Master of Science, Louisiana State University, 2017  
Doctor of Philosophy, Louisiana State University, 2020

### **Bruce J Walz, M.D.**

Voluntary Clinical Associate Professor of Radiation Oncology  
Bachelor of Arts, Washington University in St Louis, 1962  
Doctor of Medicine, Washington University in St Louis, 1966

### **Michael Richard Waters, M.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, Davidson College, 2010  
Doctor of Medicine, Virginia Commonwealth University, 2019

## Y

### **Joanna Chensi Yang, M.P.H., M.D.**

Associate Professor of Radiation Oncology (primary appointment)  
Bachelor of Arts, Stanford University, 2008  
Doctor of Medicine, Mount Sinai School of Medicine, 2013  
Master of Public Health, Harvard University, 2018

## Z

### **Hailei Zhang, M.S., Ph.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, Henan University (#####), 2013  
Master of Science, Henan University (#####), 2016  
Doctor of Philosophy, Fudan University (#####), 2019

### **Jin Zhang, M.Eng., Ph.D.**

Associate Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, Tianjin University (#####), 2005  
Master of Engineering, Tianjin Polytechnic University (#####), 2008  
Doctor of Philosophy, University of Connecticut, 2012

### **Xiandong Zhao, Ph.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Doctor of Philosophy, Southern Methodist University, 2017

### **Xiaodong Zhao, Ph.D.**

Assistant Professor of Radiation Oncology (primary appointment)  
Doctor of Philosophy, Louisiana State University, 2020

### **Tong Zhu, Ph.D.**

Associate Professor of Radiation Oncology (primary appointment)  
Doctor of Philosophy, University of Rochester, 2009

### **Imran Zoberi, M.D.**

Professor of Radiation Oncology (primary appointment)  
Bachelor of Science, University of South Dakota, 1992  
Doctor of Medicine, Washington University in St Louis, 1996

### **Jacqueline Esthappan Zoberi, Ph.D.**

Professor of Radiation Oncology (primary appointment)  
Bachelor of Arts, University of Chicago, 1995  
Doctor of Philosophy, University of Chicago, 2000