

2020 MIDWEST RADIATION ONCOLOGY SYMPOSIUM

Saturday, August 22

7:00 a.m.	Registration / Continental Breakfast	
7:45 a.m.	Department Chair Welcome and Introductory Remarks <i>Charles Enke, MD</i>	
BRAIN CANCER		1.5
Moderator: <i>Chi Lin, MD, PhD</i>		
8:00 a.m.	KEYNOTE SPEAKER: Current Management and Controversies in the Treatment of Brain Metastasis <i>Jing Li, MD/PhD</i>	0.5 0.75
8:45 a.m.	Surgical Management of Radiation Necrosis <i>Michele Aizenberg, MD</i>	0.5
9:05 a.m.	A Role for Immunotherapy in Glioma? <i>Nicole Shonka, MD</i>	0.5
9:25 a.m.	Translational Research on a Novel Target in Treating Glioblastoma <i>Chi Zhang, MD, PhD</i>	0.33
9:45 a.m.	Interprofessional Care Team Roles for Brain Cancer <i>Michele Aizenberg, MD; Jing Li, MD/PhD; Nicole Shonka, MD; and Chi Zhang, MD, PhD</i>	
10:05 a.m.	Break	
PROSTATE CANCER		2.0
Moderator: <i>Weining (Ken) Zhen, MD, FASTRO, FACR</i>		
10:20 a.m.	Intraoperative High Dose Rate Brachytherapy Boost in High/Very High Risk Localized Prostate Cancer Patient <i>Charles Enke, MD</i>	0.5
10:40 a.m.	Fusion Biopsy <i>Shawna Boyle, MD, PhD</i>	0.5
11:00 a.m.	Radiomics for Personalized Cancer Care <i>Dandan Zheng, PhD</i>	0.33
11:20 a.m.	Prognostic Abilities of Advanced Radiomics Analysis and Prostate Adenocarcinoma <i>Michael Baine, MD, PhD</i>	0.33
11:40 a.m.	Adjusting Prostate Nodal Fields in Response to Positron Emission Tomography-Computed Tomography (PET-CT) Imaging <i>Brendan Coutu, MD</i>	0.33
12:00 p.m.	Interprofessional Care Team Roles for Prostate Cancer <i>Michael Baine, MD, PhD; Shawna Boyle, MD; Brendan Coutu, MD; Charles Enke, MD; and Dandan Zheng, PhD</i>	
12:20 p.m.	Lunch	

SYMPOSIUM FACULTY

Symposium Director

Chi Lin, MD, PhD

Professor and Vice Chair of Research,
Department of Radiation Oncology, UNMC

Keynote Speakers

Jing Li, MD/PhD

Associate Professor of Radiation Oncology;
Chief, CNS/Pediatrics Section; Director,
Gamma Knife Radiosurgery; Co-Director, Brain
Metastasis Clinic, University of Texas MD
Anderson Cancer Center, Houston, TX

Steve Jiang, PhD

Professor and Vice Chair, Department of
Radiation Oncology, Director, Division of
Medical Physics and Engineering, Barbara
Crittenden Professorship in Cancer Research,
UT Southwestern Medical Center, Dallas, TX

UNMC Faculty

Michele Aizenberg, MD

Professor, Department of Neurosurgery, UNMC

Michael Baine, MD, PhD

Assistant Professor, Department of Radiation
Oncology, UNMC

Surinder Batra, PhD

Professor and Chairman, Department of
Biochemistry and Molecular Biology, College
of Medicine, Stokes-Shackelford Professor,
Associate Director for Education and Training,
Fred & Pamela Buffett Cancer Center, Eppley
Institute for Research in Cancer, UNMC

Nathan Bennion, MD

Assistant Professor, Department of Radiation
Oncology, UNMC

Shawna Boyle, MD

Assistant Professor, Division of Urologic
Surgery Department of Surgery, UNMC

Tatianna Bronich, PhD

Park-Davis Professor of Pharmaceutical
Sciences, Department of Pharmaceutical
Sciences, College of Pharmacy, Co-
Director, Center for Drug Delivery and
Nanomedicine, UNMC

CREDITS LEGEND:

ACCME ANCC ASRT MDCB MPCEC

PANCREATIC CANCER

Moderator: Michael Baine, MD, PhD

1:20 p.m.	Novel Radiosensitizer for Pancreatic Cancer Surinder Batra, PhD	2.0
1:40 p.m.	Targeted Radiation Therapy for Pancreatic Cancer Maneesh Jain, PhD	0.5
2:00 p.m.	Surgical Evaluation and Management of Pancreatic Cancer Quan Ly, MD, FACS	0.33
2:20 p.m.	Navigating the Neoadjuvant Space in Pancreatic Adenocarcinoma Kelsey Klute, MD	0.33
2:40 p.m.	Pancreatic Cancer Stereotactic Body Radiation Therapy (SBRT) Trials at UNMC Chi Lin, MD, PhD	0.33
3:00 p.m.	Interprofessional Care Team Roles for Pancreatic Cancer Surinder Batra, PhD; Maneesh Jain, PhD; Kelsey Klute, MD; Chi Lin, MD, PhD; and Quan Ly, MD, FACS	
3:20 p.m.	Break	

MEDICAL PHYSICS AND DOSIMETRY

Moderator: Megan Hyun, PhD

3:40 p.m.	Techniques in Dosimetric Review and Immediate Clinical Applications with Velocity Jeffrey Ryckman, MD	0.5
4:00 p.m.	Making Offline Adaptive Radiation Therapy a Reality Using Velocity Wei Nie, PhD	0.5
4:20 p.m.	Auto-Planning for Cord Compression Patients Using Scripting and Cone-Beam Computed Tomography (CTs) Andrew Granatowicz, MS, CMD	0.33
4:40 p.m.	Panel Discussion for Medical Physics and Dosimetry Andrew Granatowicz, MS, CMD; Wei Nie, PhD; and Jeffrey Ryckman, MD	
5:00 p.m.	Adjourn for the Day	

8.75 7.50

Sunday, August 23

7:00 a.m.	Registration / Continental Breakfast	
7:45 a.m.	Introduction by the Director of Medical Physics Sumin Zhou, PhD	
	MEDICAL PHYSICS Moderator: Dandan Zheng, PhD	1.5
8:00 a.m.	KEYNOTE SPEAKER: Artificial Intelligence (AI) in Medicine: Challenges and Opportunities Steve Jiang, PhD	0.5 0.75
8:45 a.m.	Minimum Dose Rate Required by FLASH Radiotherapy (RT) Sumin Zhou, PhD	0.5
9:05 a.m.	Automated Treatment Planning in Personalized Medicine Shuo Wang, PhD	0.5
9:25 a.m.	Advanced Imaging Applications in Radiation Therapy Megan Hyun, PhD	0.33
9:45 a.m.	Panel Discussion for Medical Physics Megan Hyun, PhD; Steve Jiang, PhD; Shuo Wang, PhD; and Sumin Zhou, PhD	
10:05 a.m.	Break	

CREDITS LEGEND:

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Brendan Coutu, MD

Resident House Officer III, Department of Radiation Oncology, UNMC

Kristin Dickinson, PhD, RN, OCN

Assistant Professor, College of Nursing, UNMC

Charles Enke, MD

Professor and Chair, Department of Radiation Oncology, UNMC

Tricia Fredericks, MD

Assistant Professor, Division of Gynecologic Oncology, Department of Obstetrics and Gynecology, UNMC

Apar Kishor Ganti, MD

Professor, Division of Oncology and Hematology, Department of Internal Medicine, UNMC

Jered Garrison, PhD

Associate Professor, Department of Pharmaceutical Sciences, College of Pharmacy, UNMC

Andrew Granatowicz, MS, CMD

Medical Dosimetrist, Department of Radiation Oncology, UNMC

Megan Hyun, PhD

Assistant Professor, Department of Radiation Oncology, UNMC

Maneesh Jain, PhD

Associate Professor, Department of Biochemistry and Molecular Biology, College of Medicine, UNMC

Kelsey Klute, MD

Assistant Professor, Division of Oncology and Hematology, Department of Internal Medicine, UNMC

Jana Koth, MPH, RT

Assistant Professor, Department of Medical Imaging and Therapeutic Sciences, UNMC

Jairam Krishnamurthy, MD

Assistant Professor, Division of Oncology and Hematology, Department of Internal Medicine, UNMC

Quan Ly, MD, FACS

Associate Professor, Division of Surgical Oncology, Department of Surgery, UNMC

Jessica Maxwell, MD, MSc, FACS, FRCSC

Assistant Professor, Division of Surgical Oncology, Department of Surgery, UNMC

Wei Nie, PhD

Medical Physics Resident, Department of Radiation Oncology, UNMC

Rebecca Oberley-Deegan, PhD

Associate Professor, Department of Biochemistry and Molecular Biology, UNMC

Jeffrey Ryckman, MD

Resident House Officer V, Department of Radiation Oncology, UNMC

Zafar Sayed, MD

Assistant Professor, Department of Otolaryngology- Head and Neck Surgery, UNMC

BREAST CANCER

Moderator: Nathan Bennion, MD, PhD

2.0

10:20 a.m. Ras-Related C3 Botulinum Toxin Substrate 1 (Rac1) as Therapeutic Target for Breast Cancer
Ying Yan, PhD

0.5

10:40 a.m. Surgical and Cosmetic Considerations After Neoadjuvant Chemotherapy for Breast Cancer
Jessica Maxwell, MD, MSc, FACS, FRCSC

0.5

11:00 a.m. Breast Cancer: Is It One Disease?
Jairam Krishnamurthy, MD

0.33

11:20 a.m. Radiotherapy After Neoadjuvant Chemotherapy for Breast Cancer
Andrew Wahl, MD

0.33

11:40 a.m. Interprofessional Care Team Roles for Breast Cancer
Jairam Krishnamurthy, MD; Jessica Maxwell, MD, MSc, FACS, FRCSC; Andrew Wahl, MD ; and Ying Yan, PhD

12:00 p.m. Lunch

HEAD & NECK AND GYNECOLOGIC CANCERS

Moderator: Andrew Wahl, MD

2.0

1:00 p.m. The Role of Surgery in Management of Oropharyngeal Cancer
Zafar Sayed, MD

0.5

1:20 p.m. Evolving Treatment for HPV-Mediated Oropharyngeal Cancer
Weining (Ken) Zhen, MD, FASTRO, FACP

0.5

1:40 p.m. Systemic Therapy for Head and Neck Cancer in the Era of Immunotherapy
Apar Kishor Ganti, MD

0.33

2:00 p.m. Modern Cervical Brachytherapy
Nathan Bennion, MD

0.33

2:20 p.m. Updates in Cervical Cancer
Tricia Fredericks, MD

0.33

2:40 p.m. Interprofessional Care Team Roles for Head & Neck and Gynecologic Cancers
Nathan Bennion, MD; Tricia Fredericks, MD; Apar Kishor Ganti, MD; Zafar Sayed, MD; and Weining (Ken) Zhen, MD, FASTRO, FACP

3:00 p.m. Break

CANCER BIOLOGY AND PATIENT CARE

Moderator: Chi (Kevin) Zhang, MD, PhD

2.0

3:20 p.m. Using Superoxide Dismutase (SOD) Mimics to Prevent Radiation - Damage of Normal Tissues
Rebecca Oberley-Deegan, PhD

0.33

3:40 p.m. Nanotechnology for Radiation Oncology
Tatianna Bronich, PhD

0.33

4:00 p.m. Development of Approaches to Improve Targeted Radionuclide Therapy
Jered Garrison, PhD

0.33

4:20 p.m. Radiation-Related Fatigue: A Biobehavioral Exploration
Kristin Dickinson, PhD, RN, OCN

0.5

4:40 p.m. Exploring Patient Education with Virtual Environment Radiation Therapy
Jana Koth, MPH, RT

0.5

5:00 p.m. Interprofessional Care Team Roles for Cancer Biology and Patient Care
Tatianna Bronich, PhD; Kristin Dickinson, PhD, RN, OCN; Jered Garrison, PhD; Jana Koth, MPH, RT; and Rebecca Oberley-Deegan, PhD

5:20 p.m. Closing Comments by the Department Vice Chair of Research
Chi Lin, MD, PhD

5:30 p.m. Adjourn

9.50 7.75

Nicole Shonka, MD

Associate Professor, Department of Oncology and Hematology, UNMC

Andrew Wahl, MD

Associate Professor; Medical Residency Program Director, Department of Radiation Oncology, UNMC

Shuo Wang, PhD

Assistant Professor, Department of Radiation Oncology, UNMC

Ying Yan, PhD

Associate Professor, Department of Radiation Oncology, UNMC

Chi (Kevin) Zhang, MD, PhD

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Dandan Zheng, PhD

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Sumin Zhou, PhD

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