

# Dartmouth Cancer Center Grand Rounds

**Albert Koong, MD, PhD, FACR, FASTRO**  
**Chair and Division Head, Radiation Oncology**  
**MD Anderson**

**Presenting: Regulation of Ferroptosis by IRE1 $\alpha$ : Implications for Cancer Therapy**

**Friday, April 5, 2024, in Auditorium E**  
**12:00pm – 1:00pm**

**Dr. Albert Koong is a guest of TEC and is hosted by Dr. Lesley Jarvis**  
**Lunch provided on a first come–first served basis.**



Dr. Koong is an internationally recognized physician-scientist with long-standing interests in developing cancer therapies that exploit differences between the tumor microenvironment and normal tissues. His clinical research interests are centered on developing and applying advanced radiotherapy techniques to treat gastrointestinal malignancies, particularly in the pancreas and liver. He has led multiple Phase I and II studies in pancreatic and liver cancer to establish the role of stereotactic body radiotherapy (SBRT) in the multidisciplinary management of these diseases. He also served as the Co-Principal Investigator for a multicenter SBRT study that resulted in the National Comprehensive Cancer Network (NCCN) including stereotactic ablative radiation therapy in their guidelines for the treatment of locally advanced pancreatic cancer.

Dr. Koong leads an active National Cancer Institute (NCI) and Cancer Prevention and Research Institute of Texas (CPRIT) funded laboratory research program investigating the role of the tumor microenvironment on tumor progression. He has developed genetic models demonstrating the importance of the Unfolded Protein Response (UPR) pathway on tumor growth and metastases. This work led to the identification of several classes of potent small-molecule inhibitors of the UPR. Current studies are focused on developing these classes of compounds into effective cancer therapies. He also serves as Co-PI for the Acquired Resistance to Therapy and Iron (ARTI) Center (U54) studying the role of hypoxia and ferroptosis in radiation therapy.

For more information: [BIO LINK](#)

To watch live: <https://go.d-h.org/global2video>

**Accreditation:** In support of improving patient care, Dartmouth Health is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

**American Medical Association (AMA):** Dartmouth Health designates this live activity for a maximum of 1 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.