

## ASTRO School of Radiation Oncology

### Online CME/SAM

#### **Biosketch Information**

Tse-Kuan Yu M.D., Ph.D.  
Assistant Professor  
M.D. Anderson Cancer Center

#### **Brief Description of Responsibilities:**

Dr. Yu is interested in local-regional control of breast cancer. In particular, he is interested in defining predictors for local-regional control with radiation in patients treated with neo-adjuvant chemotherapy. Dr Yu is also interested in gene profiling of tumor and better imaging to better identify the patients at risk from those that are not. He has been collaborating with researchers from Rice University to determine if nanoparticles can help delineate the areas for additional surgery and target the radiation. In addition, Dr. Yu has laboratory projects to investigate transcription factors that may be responsible for radiation effects. These can then potentially be manipulated to improve radiation treatment of breast cancer.

**Educational Preparation:** University of Texas Health Science Center

#### **Internship:**

**Residency:** University of Texas, M.D. Anderson Cancer Center

**Degree:** M.D.

**Major Area of Study:** Medicine

**Year Earned:** 2000

#### ***Select Papers:***

Akyurek S, Chang EL, **Yu TK**, Little D, Allen PK, McCutcheon I, Mahajan A, Maor MH, Woo SY. Spinal myxopapillary ependymoma outcomes in patients treated with surgery and radiotherapy at M.D. Anderson Cancer Center. *J Neurooncol* 80(2):177-183, 11/2006.

Buchholz TA, Strom EA, Oswald MJ, Perkins GH, Oh J, Domain D, **Yu TK**, Woodward WA, Tereffe W, Singletary SE, Thomas E, Buzdar AU, Hortobagyi GN, McNeese MD. Fifteen-year results of a randomized prospective trial of hyperfractionated chest wall irradiation versus once-daily chest wall irradiation after chemotherapy and mastectomy for patients with locally advanced noninflammatory breast cancer. *Int J Radiat Oncol Biol Phys* 65(4):1155-1160, 7/2006.

Peintinger F, Symmans WF, Gonzalez-Angulo AM, Boughey JC, Buzdar AU, **Yu TK**, Hunt KK, Singletary SE, Babiera GV, Lucci A, Meric-Bernstam F, Kuerer HM. The safety of breast-conserving surgery in patients who achieve a complete

pathologic response after neoadjuvant chemotherapy. *Cancer* 107(6):1248-1254, 7/2006.

Lu J, Wei Q, Bondy ML, Li D, Brewster A, Shete S, **Yu TK**, Sahin A, Meric-Bernstam F, Hunt KK, Singletary SE, Ross MI, Wang LE. Polymorphisms and haplotypes of the NBS1 gene are associated with risk of sporadic breast cancer in non-Hispanic white women  $\leq 55$  years. *Carcinogenesis* 27(11):2209-2216, 11/2006.