Chun Liang

Division of Life Science,

The Hong Kong University of Science and Technology, HK

Email: bccliang@ust.hk

Selected Publication

Zhang X. et al. (2014) MicroRNA-26a/b regulate DNA replication licensing, tumorigenesis, and prognosis by targeting Cdc6 in lung cancer. *Molec Cancer* Res 13-0641.

Research Aims and Interests

Regulation of DNA Replication in Normal and Cancer Cells

Eukaryotic DNA replication licensing, which is a prerequisite for genome duplication and also helps to ensure that all chromosomal DNA is replicated exactly once per cell cycle, involves the recruitment of many replication-initiation proteins to form pre-replicative complexes (pre-RCs) at replication origins. My lab has been studying the mechanism and regulation of DNA replication in budding yeast and human cells and investigating the regulation of replication-initiation proteins in normal and cancer cells. I will present our studies in identification and characterization of DNA replication-initiation proteins in budding yeast, regulation of hCDC6 by microRNA-26 in lung cancer, and lung cancer metastasis mechanisms.