### Title: Controlling Gene Expression with Small Molecules for the Treatment of Cancer

Oncogenic overexpression is one of the major hallmarks of cancer and oncogenic transcription processes represent new opportunities for therapeutic intervention. Recently, small molecules are being developed to target expression of oncogenes for the treatment of cancer. One such approach involves targeting secondary DNA structures such G-quadruplexes to control gene expression. This approach is exemplified by TERT gene and the presence of promoter mutations in TERT. Presentation will cover discovery process starting from screening to lead identification and development of small molecules targeting TERT expression.