



## "Functional and Therapeutic Significance of p16 Epimutation in Colorectal Cancer"



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### About this seminar:

We previously published the first mouse model of engineered p16 promoter hypermethylation, leading to accelerated p16 epimutation in somatic tissues during aging. Our recent work investigates the link between age-related p16 epimutation and intestinal tumorigenesis, identifying potential targets for colorectal cancer treatment. It also sheds light on the connection between diet and epigenetic regulation in cancer development. Importantly, our findings highlight the need to monitor the long-term safety of folate fortification in high-risk individuals.

### Reference(s):

1. Yu DH, et al. J Clin Invest. 2014, PMID: 25061879
2. Yang L, et al. J Exp Clin Cancer Res. 2023, PMID: 37143122
3. Yang L, et al. Cancer Res Commun. 2024, PMID: 38259096



Baylor Main Campus  
DeBakey Building  
Auditorium M112

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