



Initiating Events During Colon and Ovarian Cancers

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Seminar Room

In this talk, I will discuss two separate stories with a central theme of understanding the initiating events during cancer. In the first story, I will talk about the molecular events immediately following APC mutation, the key gatekeeper mutation in familial and sporadic colon adenocarcinomas. We show that APC mutation leads to retinoic acid deficiency followed by loss of differentiation of intestinal cells which primes them for further proliferative advantage. I will discuss data probing into how APC controls retinoic acid production. In the second story, I will discuss our new findings suggesting gain of a OVK1, an early event during serous ovarian carcinoma. I will show data suggesting OVK1's role as an oncogene and molecular mechanism of its action in this tumor type.