Molecular Biology for Gynecologic Cancers: Hot Topics in Molecular Oncology

This course will discuss current and relevant molecular and cell biology discoveries and highlight how these insights impact our understanding of the pathogenesis and treatment of cancer. The course is geared to clinicians with a view to broaden their knowledge of the basic science of cancer and the development of novel therapies for cancer.

Course Agenda:

15:35 – 16:05  Chromosomal Instability in Cancer
16:05 – 16:35  Circulating Tumour DNA: How will it improve gynecologic cancer diagnosis and management?
16:35 – 17:05  Molecular Testing for HPV and Cervix Cancer
17:05 – 17:15  Wrap-up Discussion
17:30 – 18:30  Reception for attendees

Course Objectives:

1. Discuss how advancements in basic science lead to specific improvements in cancer care for women.
2. Review the description, classification, biology and significance of the chromosomal changes found in cancer.
3. Discuss the current approaches and pitfalls to measuring ctDNA and how measuring ctDNA will improve the treatment of cancer and specifically GYN Cancers.
4. Discuss molecular biology of HPV infection including typing, oncogenicity, and detection.