

Demystifying the Science behind Targeted Treatments and Immunotherapies for Malignant Melanoma 9 December 2019

9.00	Registration and coffee
9.30	 Malignant melanoma cell biology and genetics Cell of origin and mechanisms of development Key genetic mutations in malignant melanoma The relationship between melanoma and the immune system Differences between melanomas on sun-exposed vs. non-sun exposed skin and between cutaneous and non-cutaneous melanomas
10.30	Work sheet 1
11.00	Break
11.20	 B-Raf and MEK inhibitors for malignant melanoma The EGFR/Ras/Raf/MEK/ERK pathway as a drug target Introduction to kinase inhibitors and their mechanism of action B-Raf inhibitors e.g. vemurafenib , dabrafenib, encorafenib MEK inhibitors e.g. trametinib, cobimetinib, binimetinib Combining B-Raf and MEK inhibitors – why is it better? Overview of clinical trials
12.15	Work sheet 2
12.30	Lunch
13.15	Work sheet 2 answers
13.25	 Immunotherapy for malignant melanoma Introduction to T cells and checkpoint proteins Mechanism of action of checkpoint inhibitors (CTLA-4, PD-1 and PDL-1 monoclonal antibodies) Trials with licensed checkpoint inhibitors Development of biomarkers to guide patient selection
14.30	Break
14.50	 Novel targets and treatment approaches Cell-based treatments and novel immunotherapies Progress with antigen and DNA vaccines Overview of agents in early phase trials
15.50	Close