Introduction to Immunotherapy

Tuesday 20th June 2017   (17.30pm—20.30pm)
Education Centre (Dept 17), The Christie, Manchester, M20 4BX

Overview
A beginners guide to the science behind cancer immunotherapy.
The science behind new cancer immunotherapies is highly complex. This Elaine Vickers, Science Communicated evening course will demystify the science behind these treatments. Participants will go away equipped to explain and discuss a wide variety of immunotherapies with patients and colleagues.

Further information
Visit  http://www.christie.nhs.uk
Fee  £50/£80
Register  intro-immunotherapy.eventbrite.co.uk
Email  education.events@christie.nhs.uk
Call  0161 918 9409
Tweet  @TheChristieSoO

Intended Audience
Research nurses, cancer nurse specialists, cancer doctors, hospital pharmacists, cancer trials staff, radiologists, surgeons, pathologists and students interested in oncology.
Introduction to Immunotherapy
A beginners guide to the science behind cancer

Introduction

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Topics Covered

- How cancer cells survive and thrive alongside millions of white blood cells
- The mechanism of action of antibody therapies that target cell surface proteins such as EGFR, HER2 and CD20
- The science behind checkpoint inhibitors that target CTLA-4 (e.g. ipilimumab), PD-1 (e.g. nivolumab, pembrolizumab) and PD-L1 (e.g. atezolizumab, durvalumab)
- Car T cell therapy for leukaemias, lymphomas and solid tumours
- Vaccine-based treatments such as peptide vaccines and oncolytic viruses (e.g. T-VEC)

Key Themes

- Cancer and the immune system
- Antibodies targeting cancer proteins
- Checkpoint proteins and checkpoint inhibitors
- Adoptive cell transfer and treatment vaccines

Learning Outcomes

- Participants will be able to understand how cancer cells influence the patients immune system
- They will understand why T cells are the focus of most cancer immunotherapies
- To understand many scientific concepts such as: T cell activation; the role of checkpoint proteins; how T cells can be genetically altered to fight cancer

Fees

£50 NHS
£80 Non-NHS

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