DukeNUS Medical School | Cancer & Stem Cell Biology

CSCB Hybrid Seminar Series

The effects of chemotherapy and tumour on the host immune response in regional tumour draining lymph nodes

Date: 26 Sep 2022 (Monday)
Time: 12noon – 1pm (SGT)
Venue: Duke-NUS Amphitheatre, Level 2

Format : *via* **Zoom & in-person**
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Abstract:

Presence or absence of tumour in regional tumour draining lymph nodes (TDLN) is the most important prognostic factor in patients with oesophagogastric cancer (OGC). Although TDLNs are the primary sites of the development of anti-tumor immunity, most research has focused on the characterising the immune response in the primary tumour.

The clinical importance of 'good vs. bad' immunoreactivity in TDLN has not been investigated in detail in OGC. As LNs are highly organized structures with pre-positioned cells in morphologically well-defined compartments, we have quantified the changes in the LN microarchitecture in negative LNs, positive LNs in OGC patients treated with neoadjuvant chemotherapy and resection. The results from our ongoing studies and their potential clinical importance will be discussed in this seminar highlighting the need for AI based tools for high throughput LN characterisation. Therapeutic interventions to manipulate the host anti-tumour reaction in TDLN are likely to become a hot topic of modern immunotherapy research.

Speaker:

Prof. Heike I Grabsch

Professor in Gastrointestinal Pathology
Department of Pathology, GROW School for Oncology and Reproduction, Maastricht University Medical Center+, The Netherlands
Pathology & Data Analytics, Leeds Institute of Medical Research at St. James's University Hospital, Leeds, UK

Heike I Grabsch is a UK trained histopathologist specialised in gastrointestinal pathology holding a chair at the University of Leeds, UK, and at Maastricht University, NL. Heike has a longstanding research focus in predictive and prognostic biomarker for patients with gastric or oesophageal cancer. She has published widely in this field together with international collaborators.

Host:

Patrick Tan
Professor
Programme in Cancer & Stem Cell Biology
Duke-NUS Medical School
Singapore

No registration is required.
All are welcome.

Any enquiries, please contact:
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