



第5回 トランスボーダー医学研究センターセミナー

Transboder Medical Research Center Seminar

共催：TSMC、つくば再生医療・細胞治療カンファレンス

演題：Lymphoid Cancers: The importance of the tumor microenvironment

演者：Christian Steidl, MD

Centre for Lymphoid Cancer, British Columbia Cancer

Department of Pathology and Laboratory Medicine, University of British Columbia

日時：2023年7月19日（水）18：00～

会場：イノベーション棟 8階 講堂

要旨：Lymphoid cancers represent a heterogeneous group of neoplasms composed of malignant lymphoid cells with variable infiltration by non-neoplastic, mostly immune cells (tumor microenvironment). The tumor microenvironment is increasingly recognized to play a pivotal role in the pathogenesis of many lymphoma subtypes. However, the clinical potential of an improved understanding of related biology remains largely untapped. Past discovery and functional studies by our group and others have pointed to the pathogenic importance of acquired immune privilege and altered cellular crosstalk between cells in the tumor microenvironment driven by somatic gene alterations. The genomic changes discussed in this lecture can be broadly categorized according to the effect that they exert on the tumor microenvironment: 1) Loss or down-regulation of (surface) molecules leading to decreased immunogenicity of tumor cells; 2) Increased expression of surface molecules suppressing immune cell function; 3) Recruitment or induction of a regulatory cellular milieu. The discovery of gene mutations underlying immune privilege, downstream functional consequences, biomarker development and clinical rationales for therapeutic intervention will be discussed in the context of specific lymphoma subtypes.

文献

[1] Cancer Discov. 2020 Mar;10(3):406-421.

[2] Nat Med. 2020 Apr;26(4):577-588.

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連絡先：筑波大学医学医療系 高橋 智（内線 7516、satoruta@md.tsukuba.ac.jp）

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