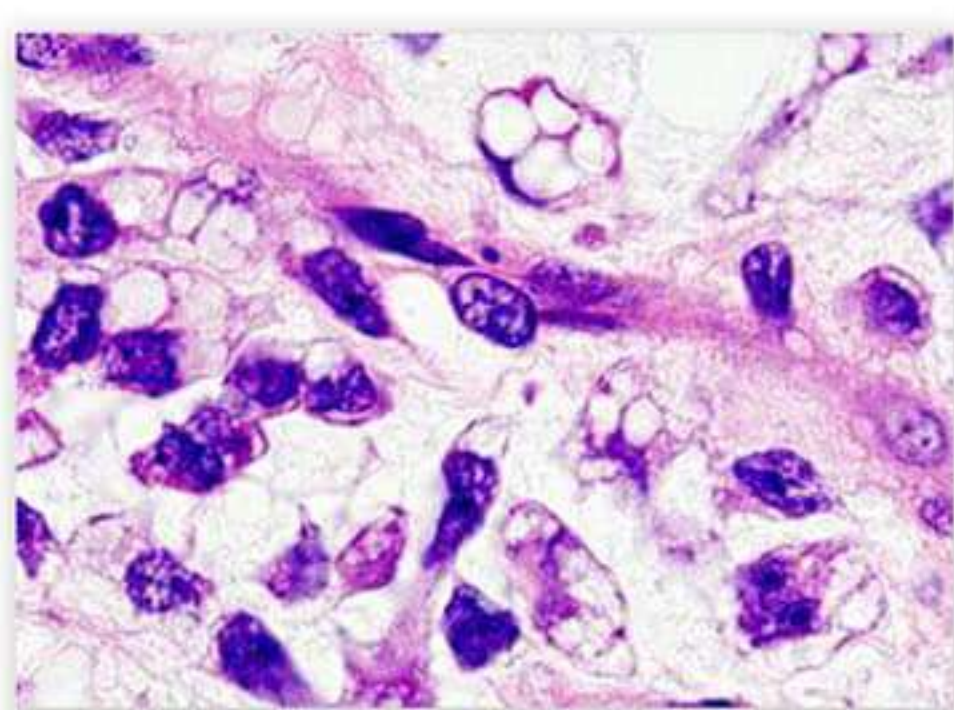


# CANCER SCIENCE INSTITUTE OF SINGAPORE IN THE SPOTLIGHT

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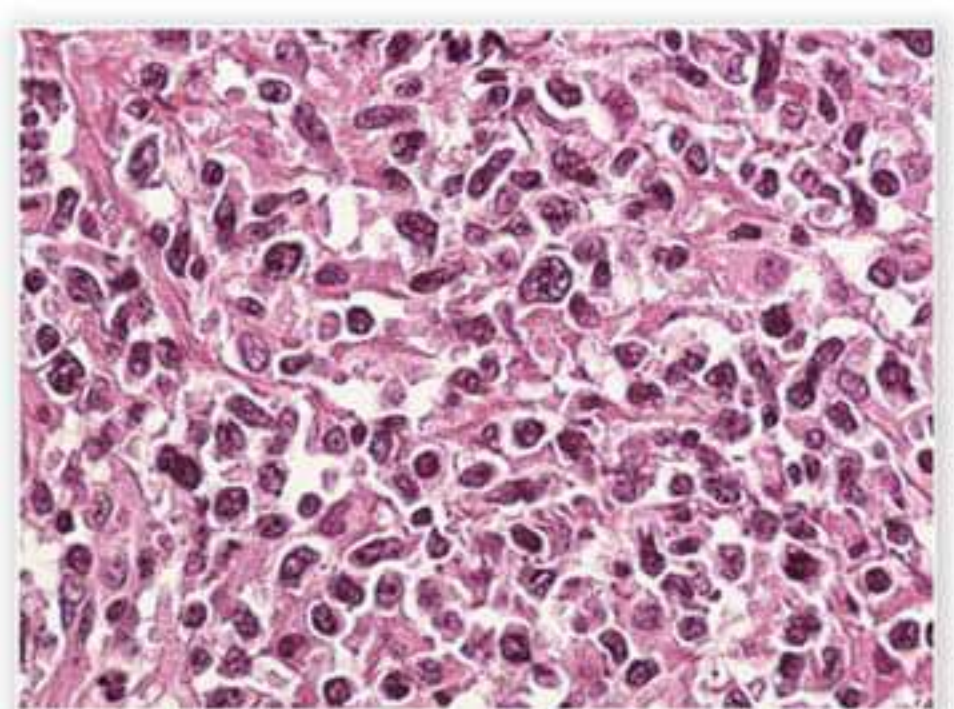
## Bromodomain and Extraterminal Proteins Foster the Core Transcriptional Regulatory Programs and Confer Vulnerability in Liposarcoma. (*Nat Commun*, Mar 2019)

Prof H. Phillip Koeffler's group was involved in an engaging study that found links between Bromodomain and Extraterminal (BET) proteins and Liposarcoma (LPS) cells. The results from the study show that BET proteins maintain LPS malignancy and active transcription, revealing a critical dependency of LPS cells on BET proteins. This landmark discovery provides the rationale and therapeutic merits of BET proteins in LPS.



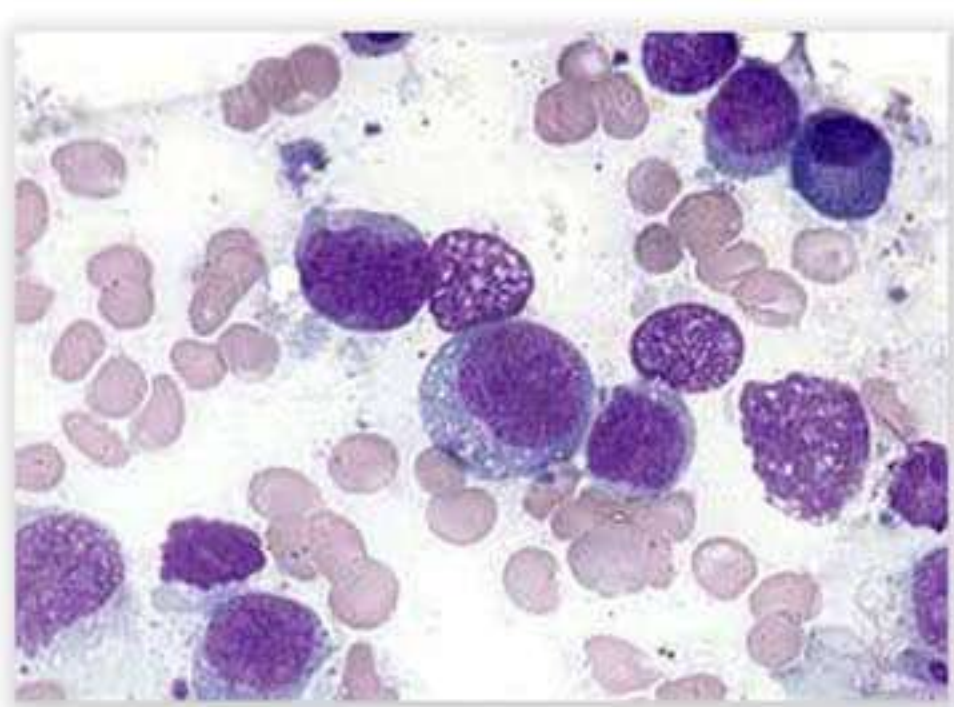
## Molecular Pathogenic Pathways in Extranodal NK/T Cell Lymphoma. (*J Hematol Oncol*, Apr 2019)

In this comprehensive review, Prof Chng Wee Joo, A/Prof Ng Siok Bian and team discuss the key molecular and pathogenic pathways in Extranodal NK/T cell lymphoma (ENKTL). As they explored the various promising avenues for drug development in ENKTL, they also raised questions and identified challenges faced in developing novel therapeutics approaches.



## Identification of a Novel Enhancer of CEBPE Essential for Granulocytic Differentiation. (*Blood*, Apr 2019)

A novel study by Prof H. Phillip Koeffler and his team reveals a novel enhancer crucial for regulating expression for CCAAT/enhancer binding protein epsilon (CEBPE). To further investigate the role of this enhancer, the team generated mice with germline deletion of the enhancer region. Results unveiled reduced levels of CEBPE and a severe block in granulocytic differentiation, elucidating a significant role of the enhancer in granulocytic differentiation.



## CSI Research Fellow Presents Advances in Cancer Research at AACR Annual Meeting 2019.

CSI Research Fellow, Darren Tan recently presented his work on the impact of PRMT5 inhibition on blood stem cells at this year's American Association for Cancer Research (AACR) Annual Meeting. Darren's attendance at the 2019 AACR Annual Meeting was supported by the AACR Travel award, which he received as the Gold Poster award at the Frontiers in Cancer Science Conference last year. Overall, the exchange of ideas with fellow cancer researchers and experts has provided Darren with deeper insights into the future of cancer treatment.

### IN THIS ISSUE

BET Proteins Maintain LPS Malignancy and Active Transcription

Novel Enhancer of CEBPE Essential for Granulocytic Differentiation

Molecular Pathogenic Pathways in ENKTL

AACR Annual Meeting 2019

### UPCOMING EVENTS

CSI Seminar  
Claudio Tripodo  
3 May 2019

CSI Seminar  
Chen Jianjun  
8 May 2019

CSI Research Meeting  
10 May 2019

CSI Research Meeting  
24 May 2019

CSI Seminar  
Daniel Hodson  
28 May 2019