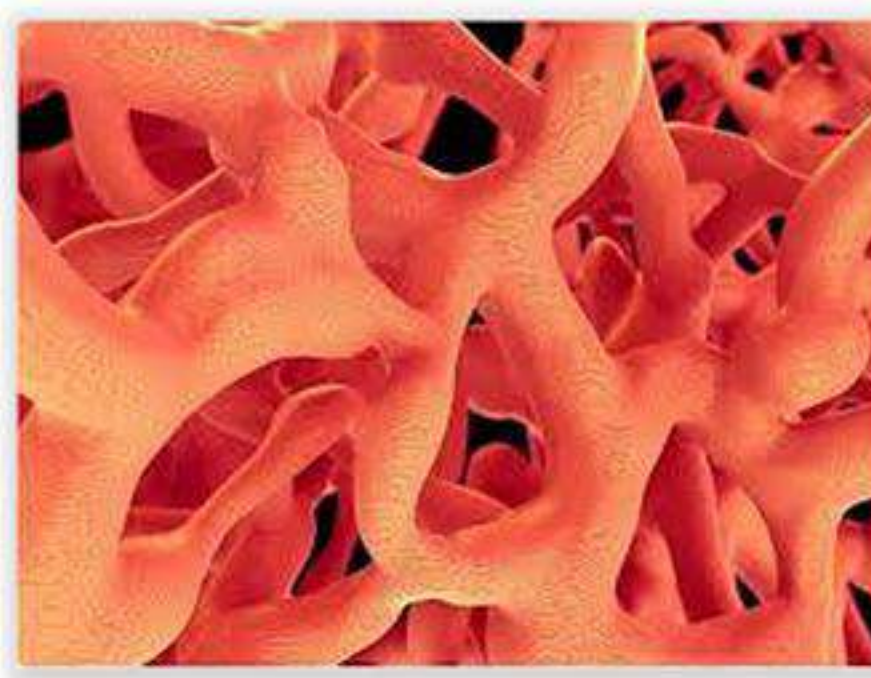


CANCER SCIENCE INSTITUTE OF SINGAPORE IN THE SPOTLIGHT

ISSUE 62 | MAR 2019

Dynamic Changes in the Niche with N-Cadherin Revisited: The HSC "Niche Herein". (*Cell Stem Cell*, Mar 2019)

In this outstanding review, Prof Toshio Suda and his group delved into the current studies on Hematopoietic Stem Cells (HSCs) niches. While existing approaches to identify HSC niche cell may provide a snapshot study of the niche, the group showcased the importance of incorporating heterogeneity and dynamics of niche cell functions and interactions in future studies.



IN THIS ISSUE

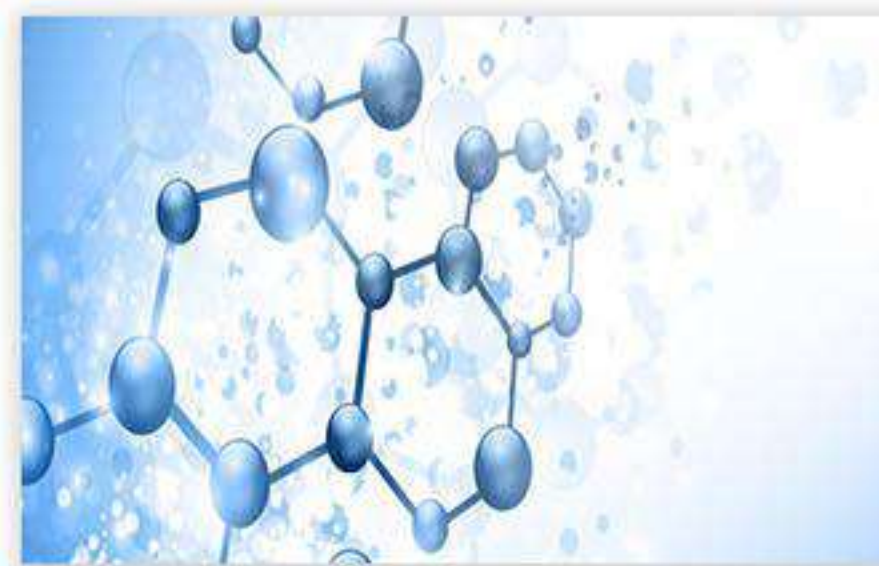
Dynamic Changes in the Niche with N-Cadherin Revisited

Novel Role of ARID1A in Hematopoiesis

A Significant Role of PRMT5 Activity in HSCs

Chromatin Remodeling Mediated by ARID1A is Indispensable for Normal Hematopoiesis in Mice. (*Leukemia*, Mar 2019)

In an exciting study on the role of ARID1A in hematopoietic development, Prof H. Phillip Koeffler and his team elucidated the novel role of ARID1A in maintaining the frequency and function of hematopoietic stem cells. The team also unravelled the central role of ARID1A containing SW1/SNF complex in hematopoiesis.



UPCOMING EVENTS

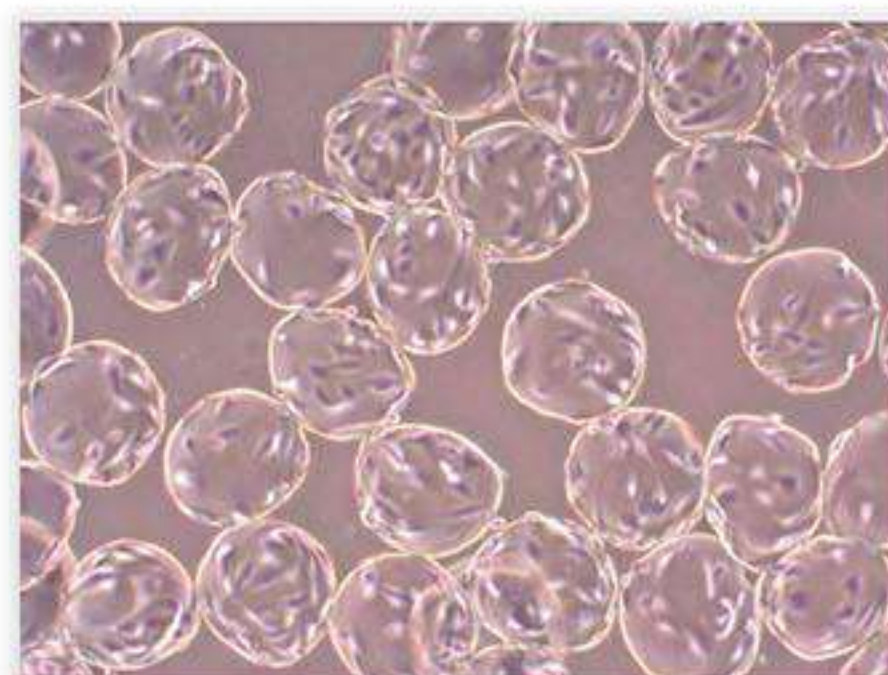
CSI Research Meeting & State of Institute Address
5 Apr 2019

Bioinformatics Workshop
16 Apr 2019

CSI Research Meeting
26 Apr 2019

PRMT5 Modulates Splicing for Genome Integrity and Preserves Proteostasis of Hematopoietic Stem Cells. (*Cell Rep*, Feb 2019)

Protein arginine methyltransferase 5 (PRMT5) is essential for sustaining hematopoiesis. Research team led by Prof Toshio Suda uncovered a significant role of PRMT5 activity in HSCs and highlighted the importance of maintaining PRMT5 activity in HSCs. Results from this study provide a deeper insight into HSCs biology and underscores the therapeutic utility of PRMT5 inhibition.



GRADUATE PROGRAM

11th HOPE Meeting with Nobel Laureates Inspires CSI PhD Research Student.

CSI PhD Student, Shreya Kar was privileged to be selected to attend the 11th HOPE Meeting held in Okinawa, Japan. Besides having the opportunity to meet and learn from eminent scientists, she was also treated to an engaging cultural program. The dynamic interactions with the Nobel laureates and distinguished scientists had inspired and motivated her tremendously.



BIOINFORMATICS WORKSHOP '19

DATE: 16 APRIL, 1PM - 5PM
VENUE: 04-01 SMART CLASSROOM, MD6
SPEAKER: DR. TOUATI BENOUKRAF

SIGN UP NOW!