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METTL3-mediated m⁶A modification enhances memory consolidation
Dynamic m⁶A methylome regulates drug resistance in leukemia
Mapping chromatin accessibility in mouse and human PGCs
PKM2 promotes homologous recombination-mediated DNA repair



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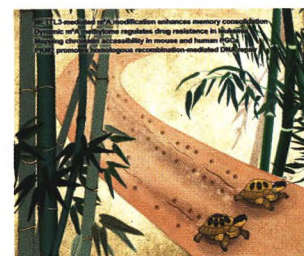
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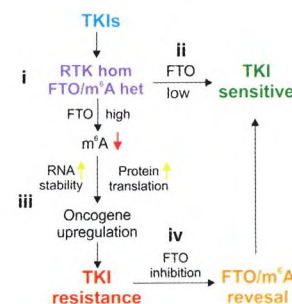
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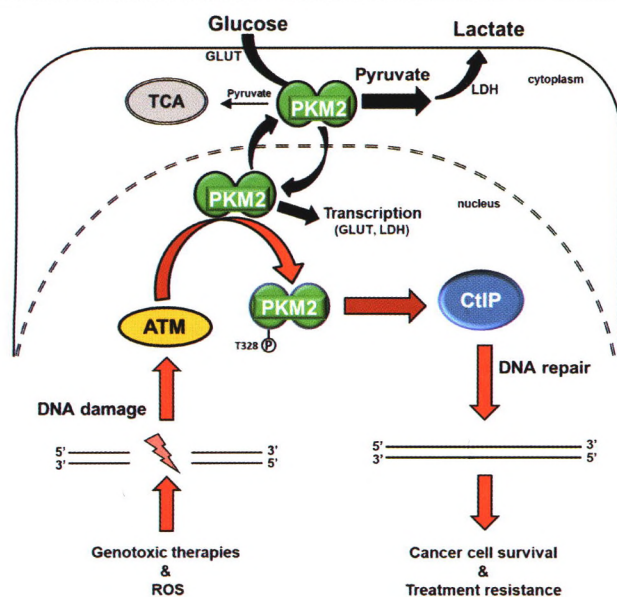
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Cover: N⁶-methyladenosine (m⁶A) mRNA modification enhances learning efficacy, and overdosed training can compensate for the effect of m⁶A insufficiency. Cover image shows two tortoises with different levels of m⁶A modifications (shown as the numbers of hexagons on their shells) are competing in a race, which is an analogy to learning process. The tortoise with more m⁶A races more easily with less steps. However, if the one with less m⁶A pays more effort, the initial disadvantage can be overcome, and the two tortoises can finish the match at the same time. See page 1050-1061 by Zeyu Zhang et al. for details.



Schematic model illustrating the role of the FTO-m⁶A axis in mediating TKI resistance. See page 1062-1076 by Fei Yan et al. for details.



PKM2 is over-expressed in cancer where it unites cancer glycolytic metabolism with DNA repair to drive treatment resistance. See page 1090-1102 by Steven T. Sizemore et al. for details.

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doi:10.1038/s41422-018-0103-x

Plant HP1 protein ADCP1 links multivalent H3K9 methylation readout to heterochromatin formation **Open**

Shuai Zhao, Lingling Cheng, Yifei Gao, Baichao Zhang, Xiangdong Zheng, Liang Wang, Pilog Li, Qianwen Sun and Haitao Li

doi:10.1038/s41422-018-0104-9



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