

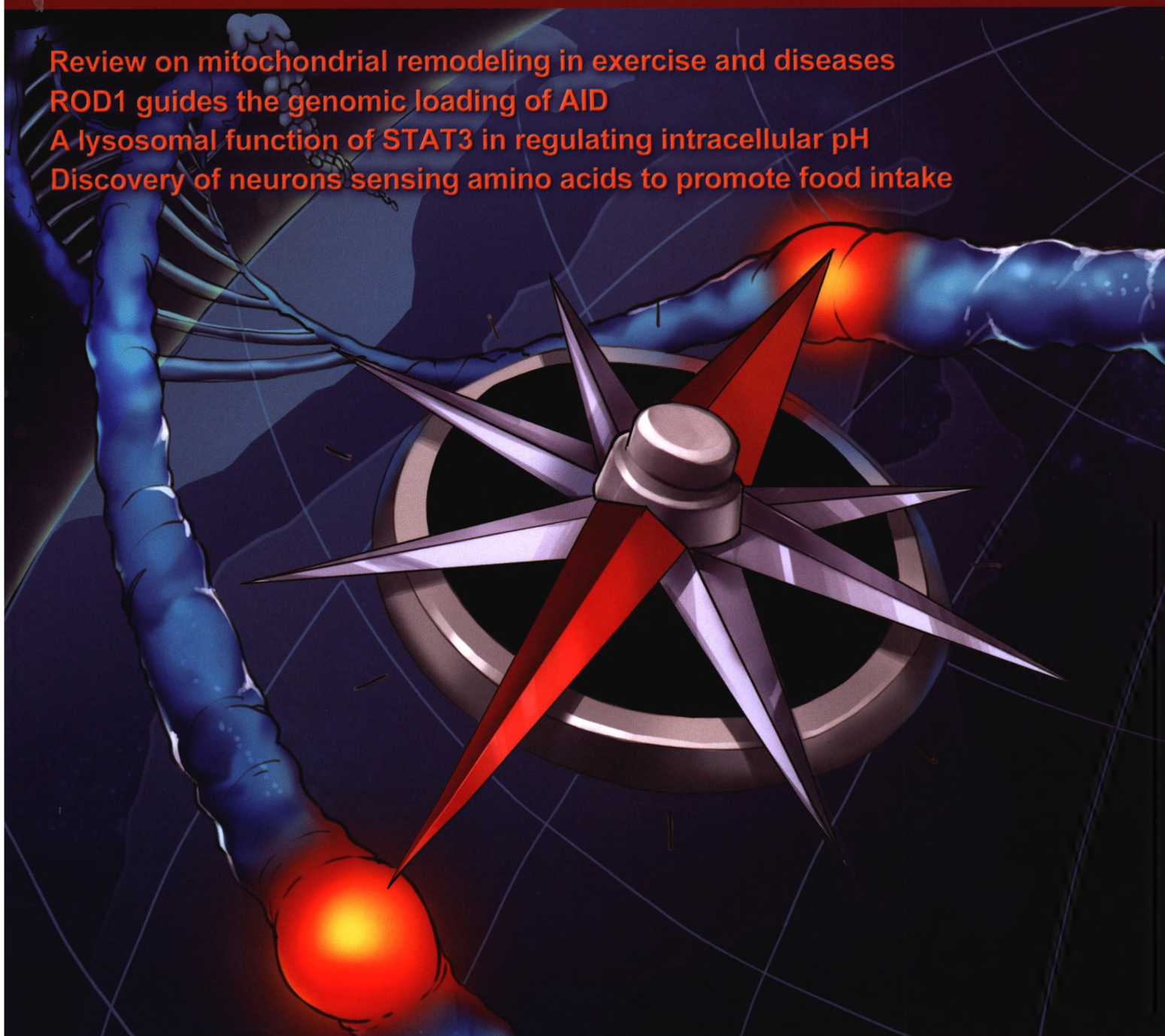
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Review on mitochondrial remodeling in exercise and diseases
ROD1 guides the genomic loading of AID
A lysosomal function of STAT3 in regulating intracellular pH
Discovery of neurons sensing amino acids to promote food intake



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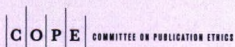
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1013 A post-ingestive amino acid sensor promotes food consumption in *Drosophila* **Open**

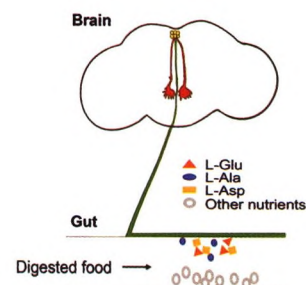
Zhe Yang, Rui Huang, Xin Fu, Gaochang Wang, Wei Qi, Decai Mao, Zhaomei Shi, Wei L. Shen, Liming Wang

1026 Structure of the intact 14-subunit human cytochrome c oxidase

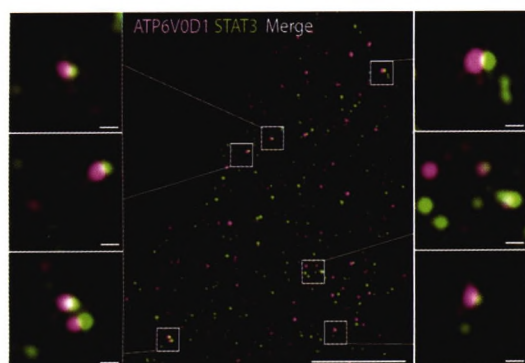
Shuai Zong, Meng Wu, Jinke Gu, Tianya Liu, Runyu Guo, Maojun Yang



Cover: RNA-binding protein ROD1/PTBP3 functions as a “compass” to guide AID targeting via bidirectionally transcribed RNAs (red ball represents hotspot regions). Cover artwork is contributed by Lantao Gou. See page 981-995 by Juan Chen *et al.* for details.



A working model of dietary amino acid sensing in fruit flies. See page 1013-1025 by Zhe Yang *et al.* for details.



A representative SR-SIM image of a HeLa cell stained with anti-STAT3 and anti-ATP6V0D1 antibodies. See page 996-1012 by Bin Liu *et al.* for details.

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1039 Threshold for neural tube defect risk by accumulated singleton loss-of-function variants **Open**

Zhongzhong Chen, Yunping Lei, Yufang Zheng, Vanessa Aguiar-Pulido, M. Elizabeth Ross, Rui Peng, Li Jin, Ting Zhang, Richard H. Finnell, Hongyan Wang

CORRECTION

1042 Author Correction: Suppression of m⁶A reader Ythdf2 promotes hematopoietic stem cell expansion

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ADVANCE ONLINE PUBLICATION

METTL3-mediated N⁶-methyladenosine mRNA modification enhances long-term memory consolidation **Open**

Zeyu Zhang, Meng Wang, Dongfang Xie, Zenghui Huang, Lisha Zhang, Ying Yang, Dongxue Ma, Wenguang Li, Qi Zhou, Yun-Gui Yang and Xiu-Jie Wang
doi:10.1038/s41422-018-0092-9

Pyruvate kinase M2 regulates homologous recombination-mediated DNA double-strand break repair **Open**

Steven T. Sizemore, Manchao Zhang, Ju Hwan Cho, Gina M. Sizemore, Brian Hurwitz, Balveen Kaur, Norman L. Lehman, Michael C. Ostrowski, Pierre A. Robe, Weili Miao, Yinsheng Wang, Arnab Chakravarti and Fen Xia
doi:10.1038/s41422-018-0086-7

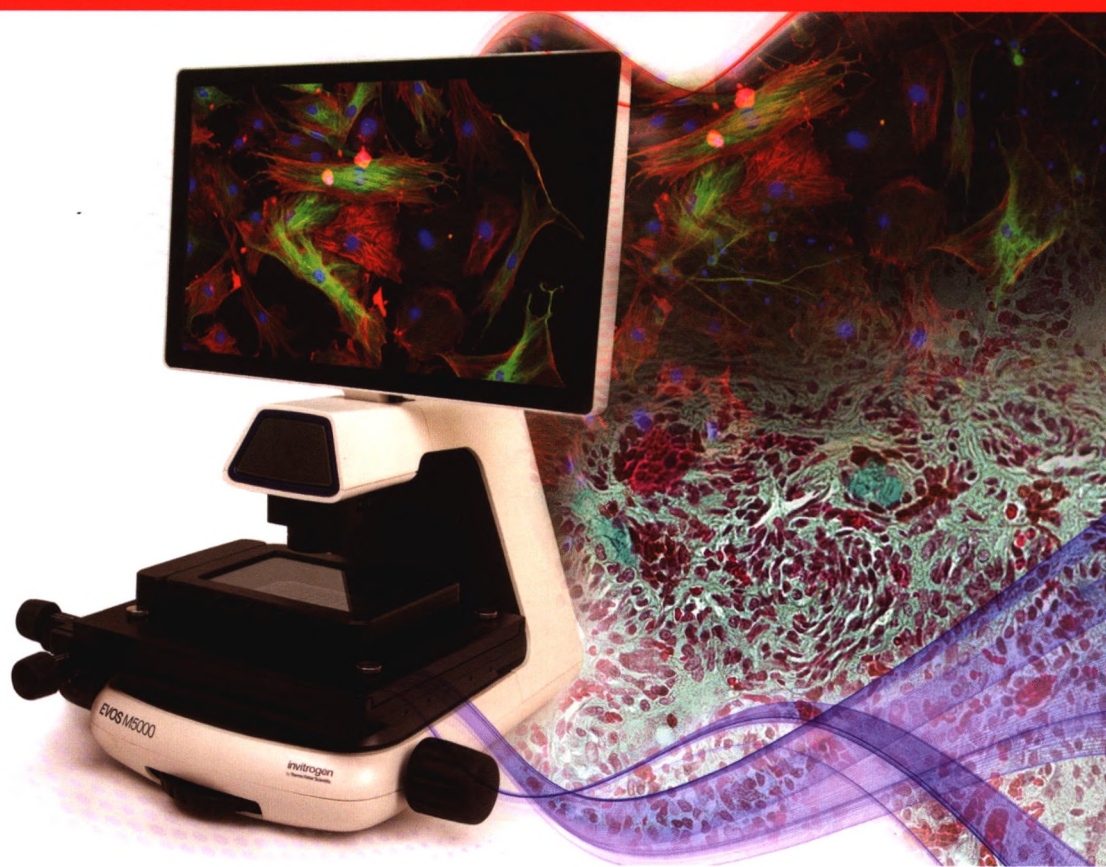
Elimination of CD4^{low}HLA-G⁺ T cells overcomes castration-resistance in prostate cancer therapy

Chao Wang, Jiahuan Chen, Qianfei Zhang, Wang Li, Shengbo Zhang, Yanjie Xu, Fang Wang, Bing Zhang, Yan Zhang and Wei-Qiang Gao
doi:10.1038/s41422-018-0089-4

Tom20 senses iron-activated ROS signaling to promote melanoma cell pyroptosis **Open**

Bo Zhou, Jia-yuan Zhang, Xian-shuo Liu, Hang-zi Chen, Yuan-li Ai, Kang Cheng, Ru-yue Sun, Dawang Zhou, Jiahuai Han and Qiao Wu
doi:10.1038/s41422-018-0090-y

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