

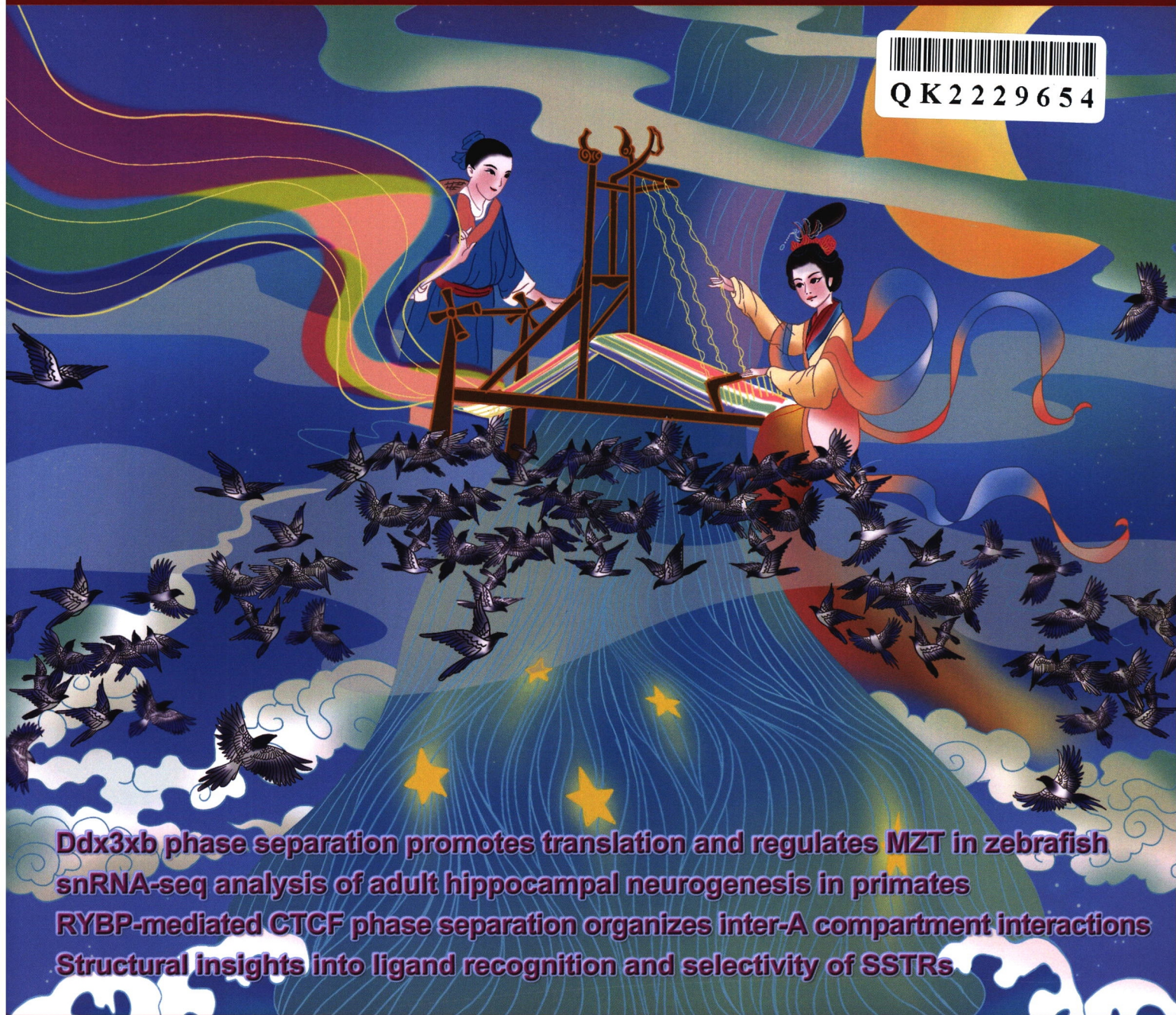
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Ddx3xb phase separation promotes translation and regulates MZT in zebrafish
snRNA-seq analysis of adult hippocampal neurogenesis in primates
RYBP-mediated CTCF phase separation organizes inter-A compartment interactions
Structural insights into ligand recognition and selectivity of SSTs

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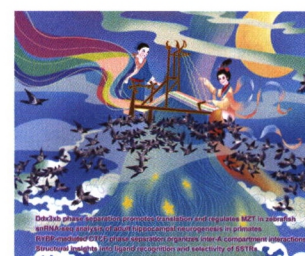
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Shushu Jiang

RESEARCH HIGHLIGHTS

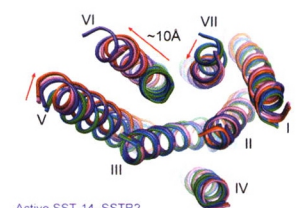
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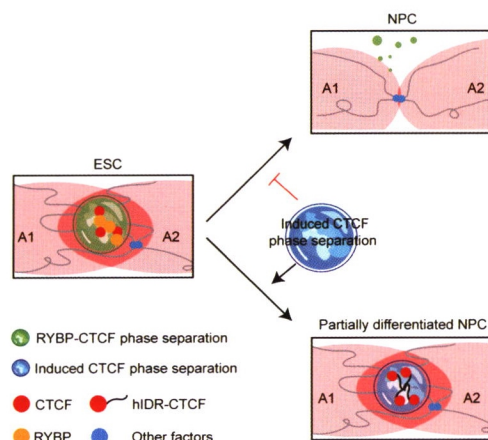


Cover: The image describes a Chinese fairy tale, the “Magpie Bridge Meeting”. On the night of the lunar Double-Seventh Festival, magpies form a bridge across the Milky Way to reunite two separated lovers: The Cowherd and the Weaver Girl. Ddx3xb phase separation (Magpie bridge) promoted the degradation of maternal RNA (overcoming the obstruction of the Milky Way) and the activation of zygotic genes (the silk spun by the Cowherd and Weaver Girl after reunion). See page 715–728 by Soyang Shi et al. for details.



Active SST-14-SSTR2
Active SST-14-SSTR4
Inactive SSTR2-CYN 154806
Active J-2156-SSTR4
Inactive SSTR2-L-054.522

Intracellular view that compares solved structures of SSTR2 and SSTR4 complexes. See page 761–772 by Wenli Zhao et al. for details.



Schematic diagram showing that induced CTCF phase separation facilitates inter-A compartment interactions and inhibits ESC differentiation toward NPCs. See page 744–760 by Chao Wei et al. for details.

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Featured articles

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Cell Discov. 2022 Jun 6;8(1):53. doi: 10.1038/s41421-022-00419-w.

Dynamic O-GlcNAcylation coordinates ferritinophagy and mitophagy to activate ferroptosis
Cell Discov. 2022 May 3;8(1):40. doi: 10.1038/s41421-022-00390-6.

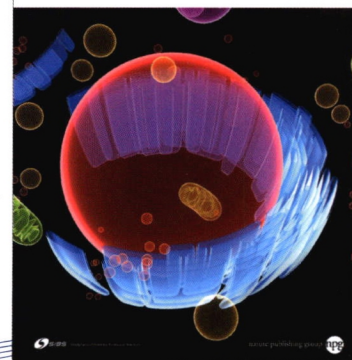
Treatment of SARS-CoV-2-induced pneumonia with NAD⁺ and NMN in two mouse models
Cell Discov. 2022 Apr 29;8(1):38. doi: 10.1038/s41421-022-00409-y.

CRISPR signal conductor 2.0 for redirecting cellular information flow
Cell Discov. 2022 Mar 15;8(1):26. doi: 10.1038/s41421-021-00371-1.

Cross-species metabolomic analysis identifies uridine as a potent regeneration promoting factor
Cell Discov. 2022 Feb 1;8(1):6. doi: 10.1038/s41421-021-00361-3.

Histone lysine methacrylation is a dynamic post-translational modification regulated by HAT1 and SIRT2
Cell Discov. 2021 Dec 28;7(1):122. doi: 10.1038/s41421-021-00344-4.

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