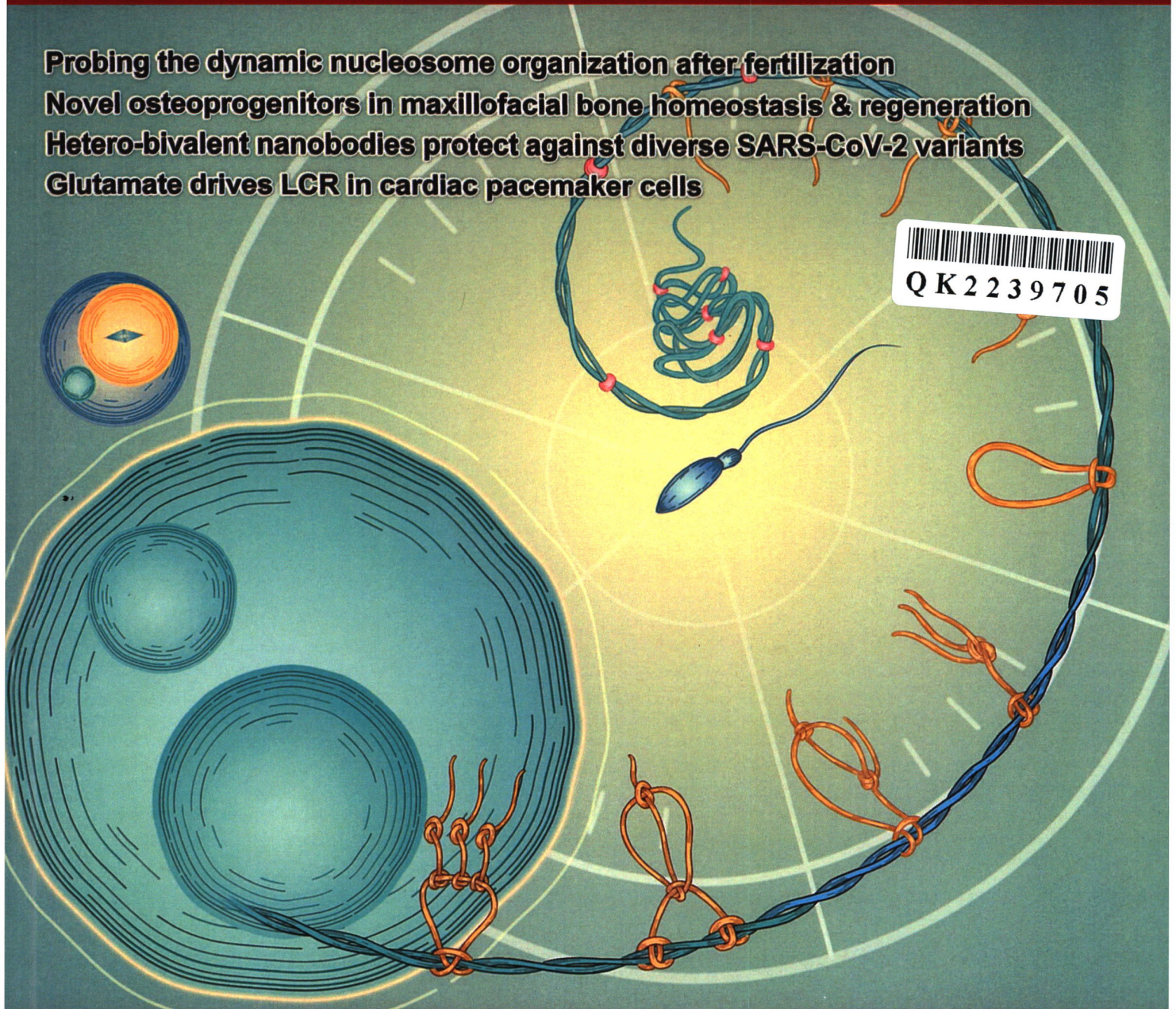
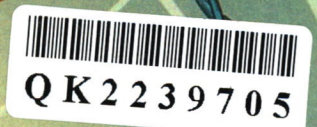


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Probing the dynamic nucleosome organization after fertilization
Novel osteoprogenitors in maxillofacial bone homeostasis & regeneration
Hetero-bivalent nanobodies protect against diverse SARS-CoV-2 variants
Glutamate drives LCR in cardiac pacemaker cells



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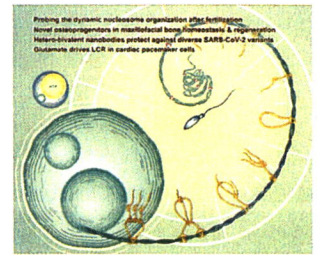
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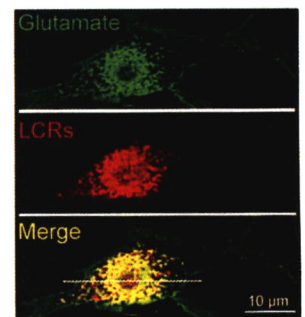
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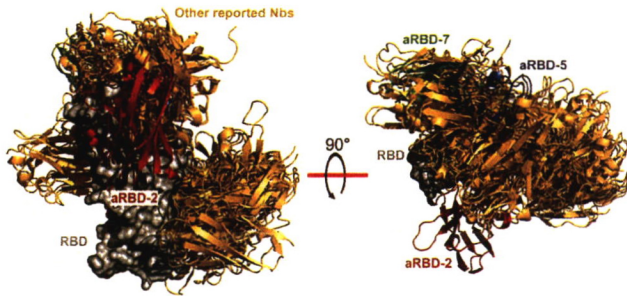
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Cover: Nucleosome remodeling of the paternal genome during the first 12 h after fertilization in mice. The knotted ropes represent chromatin in the nucleus. In the first 3 h after fertilization, the protamine (pink knots) on paternal DNA was replaced by histone (yellow knots). Then the nucleosome positioning pattern was continually rebuilt to form nucleosome depletion regions at promoters and transcription factor binding sites, which were represented by more complex knots. See page 801-813 by Chenfei Wang et al. for details.



Representative confocal images demonstrating the subcellular colocalization of glutamate accumulation and LCR events. See page 843-854 by Duanyang Xie et al. for details.



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Cell Discov. 2022 May 3;8(1):40. doi: 10.1038/s41421-022-00390-6.

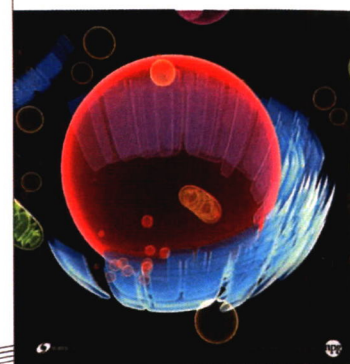
Treatment of SARS-CoV-2-induced pneumonia with NAD⁺ and NMN in two mouse models
Cell Discov. 2022 Apr 29;8(1):38. doi: 10.1038/s41421-022-00409-y.

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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