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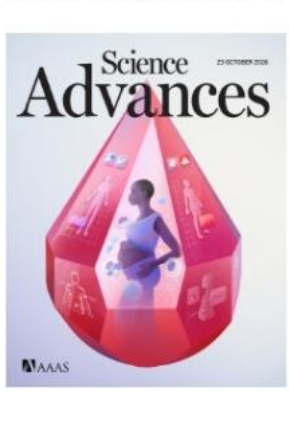

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An in situ forming immunomodulatory hydrogel reinvigorates exhausted CD8$^+$ T cells via preserving their mitochondrial fitness

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NRF2 coordinates cystine import and glutathione use to sustain ferroptosis resistance and formaldehyde tolerance in cancer

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CASTOR1 functional inactivation drives *KRAS*-mutant NSCLC and therapy resistance by a noncanonical mechanism of tumor suppression

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Single-cell–level digital twins for preterm birth prevention strategies

BY JAKOB EINHAUS, PETER NEIDLINGER, OLIVIER FONDEUR, MASAKI SATO, SASHA ANRONIKOV, KOTARO MIYAZAKI, ANTOINE MAECHLER, JONAS N. AMAR, KAZUO ANDO, VALENTIN BADEA, [...] BRICE GAUDILLIERE +20 authors • 21 OCT 2026

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Death receptors regulate entry to therapy-induced senescence and orchestrate addiction to IAPs

BY GOKHAN GUNAY, SEREN HAMSICI, VAISHNAVI VENUGOPALAN, AOIFE COSTIGAN, MELANIE FRITSCH, AISLINN GALLAGHER ALDAVE, ANNE HUBER, BRIANNA FERNANDEZ, HANDE EFE-CICEK, PAVEL DAVIDOVICH, [...] SEAMUS J. MARTIN +11 authors • 23 OCT 2026

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RAF isoform selectivity of MEK inhibitors and rational design of a covalent ARAF-MEK inhibitor

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TET2-driven activation of AGO2 links epigenetic remodeling to myeloid commitment and leukemia

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Histone methyltransferase NSD2 shapes CD8$^+$ T cell fates through the H3K36me2-*Zbtb20* axis

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CREBBP loss drives immune evasion by epigenetically silencing STING and MHC-I in small cell lung cancer

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High-throughput droplet-based enzymatic DNA methylome profiling enables single-cell resolution of epigenetic heterogeneity

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NAD$^+$ metabolic restoration resolves the inflammation-immunocompetence trade-off in lung graft-versus-host disease

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RanGAP1 coordinates the ER-lamina interface to drive de novo nuclear envelope reassembly in mouse embryos

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Retroviral insertions contributed to the divergence of human and chimpanzee brains

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Chemically encoded pH-tunable covalent adhesion by a bacterial thioester domain

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Interferon-λ signaling to maternal dendritic cells protects against congenital Zika virus infection

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DMRT1 is required at two steps of ovarian differentiation in rabbits

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Multiple allosteric sites allow for synergistic enhancement of GPCR signaling

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Accessing invasion-competent *Plasmodium vivax* merozoites reveals antibody-dependent NK cell activation

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BY AMBERLYN SIMMONS, SIERRA F. WILFERD, SOFIA CAMPAGNUOLO, VERONICA PENA, HEATHER BIMONTE-NELSON, JASON NEWBERN, RACHAEL W. SIRIANNI, CHRISTOPHER L. PLAISIER, SARAH E. STABENFELDT • 21 OCT 2026

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Opposing cell-type preferences for binding and replication shape influenza A virus infection in human airways

BY JOSEPHINE VON KEMPIS, MARIE O. POHL, ELISABETH GAGGIOLI, CYRILLE NIKLAUS, ALEXANDRA TRKOLA, GEERT-JAN BOONS, ROBERT P. DE VRIES, SILKE STERTZ 23 OCT 2026

ABSTRACT

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BY LUJIE MA, QIANQIAN JIN, DONGCHENG HU, XIANWU LIN, ZIZHEN FAN, RIHUI YAN • 23 OCT 2026

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Enterococcus faecalis biofilm rewires neutrophil metabolism to suppress antimicrobial activity

BY HARIS ANTYPAS, RONNI ANDERSON GONÇALVES DA SILVA, GENEVE KANG XIN WONG, CUI LIANG, LOGESHWARI MUTHUALAGU NATARAJAN, RACHEL JING WEN TAN, CHERYL JIA YI NEO, SIU LING WONG, KIMBERLY A. KLINE • 21 OCT 2026

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BY ZIHANG HE, ZHIBO WANG, CAIQIU GAO, XIAOYU JI, YUCHENG WANG • 21 OCT 2026

ABSTRACT

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