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Review of regulated cell death

TAMs enhance cancer stemness via LSECtin-BTN3A3 interaction

Epigenetic mechanism of transgenerational thermomemory in plants

LKB1 in dendritic cells controls T cell functions

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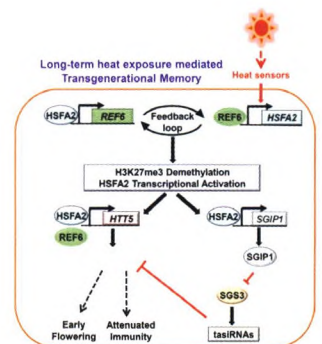
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Cover:The cover image illustrates that Monkey King subdues White-Skeleton Demon (tumor progression) by using his Golden Cudgel (inhibitors of LSECtin-BTN3A3 axis) through disruption of the interactions between TAM-expressed LSECtin and tumor cell-expressed BTN3A3. Cover artwork is contributed by Xin Zhou. See page 365-378 by Di Liu *et al.* for details.



A proposed model depicting transgenerational thermomemory that is mediated by the H3K27me3 demethylation-HSFA2 regulatory loop in Arabidopsis. See page 379-390 by Junzhong Liu *et al.* for details.

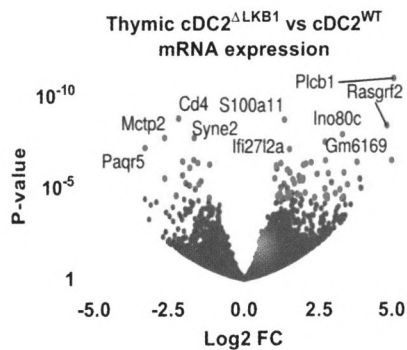


Illustration of a volcano plot shows genes differentially expressed between Flt3L-expanded LKB1-deficient thymic cDC2s vs. Flt3L-expanded WT thymic cDC2s. See page 406-419 by Leonard R. Pelgrom *et al.* for details.

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doi:10.1038/s41422-019-0162-7

Cortical branched actin determines cell cycle progression **Open**

Nicolas Molinie, Svetlana N. Rubtsova, Artem Fokin, Sai P. Visweshwaran, Nathalie Rocques, Anna Poleskaya, Anne Schnitzler, Sophie Vacher, Evgeny V. Denisov, Lubov A. Tashireva, Vladimir M. Perelmuter, Nadezhda V. Cherdynitseva, Ivan Bièche, Alexis M. Gautreau

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Featured articles

Four putative SWI2/SNF2 chromatin remodelers have dual roles in regulating DNA methylation in *Arabidopsis*

Cell Discov. 2018 Oct 16;4:55. doi: 10.1038/s41421-018-0056-8

Merge and separation of NuA4 and SWR1 complexes control cell fate plasticity in *Candida albicans*

Cell Discov. 2018 Aug 14;4:45. doi: 10.1038/s41421-018-0043-0

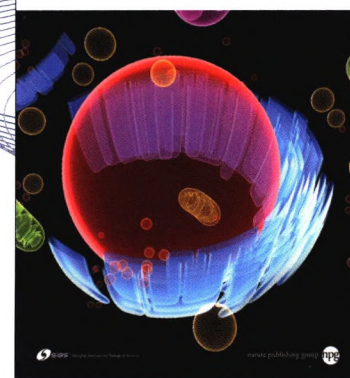
Structural visualization of RNA polymerase III transcription machineries

Cell Discov. 2018 Jul 31;4:40. doi: 10.1038/s41421-018-0044-z

Disruption of glial cell development by Zika virus contributes to severe microcephalic newborn mice

Cell Discov. 2018 Jul 31;4:43. doi: 10.1038/s41421-018-0042-1CR

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