

blood



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MGUS patients have increased bone porosity and fracture risk (p 603, p 647)

Eosinophils in airways provide potent antiviral protection (p 609, p 743)

Worldwide anemia prevalence contributes to global burden of disability (p 611, p 615)

Exosomes from stored red cell units are immunostimulatory (p 687)

Bone marrow stromal secretion of GDF15 enhances myeloma cell proliferation (p 725)

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Genome & Co. v. Univ. of Chicago
PGR2019-00002
UNIV. CHICAGO EX. 2011



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COVER FIGURE

Targeted deletion of mouse Tmod3 leads to embryonic lethality with anemia due to defects in definitive erythropoiesis in the fetal liver. Native erythroblastic island formation was impaired in *Tmod3*^{-/-} fetal livers, with Tmod3 required in both erythroblasts and macrophages. Tmod3-mediated actin remodeling may be required for erythroblast-macrophage adhesion as well as coordination of cell cycle with differentiation, and F-actin assembly and remodeling during erythroblast enucleation. This image shows erythroblast-macrophage islands in wild-type fetal livers, which were stained with Alexa Fluor-488 phalloidin (green) for F-actin, rabbit anti-Tmod3 (red) for Tmod3, and Hoechst 33258 (blue) for nuclei. See the article by Sui et al on page 758.

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