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- >> **Science Podcast**  
Listen to stories about gaps in the evidence for newborn screenings, the formation of the Moon, removing nitrogen from lakes, and more.  
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## COVER

False-colored scanning electron micrograph of erythrocytes (diameter ~7 micrometers). Sickle cell disease results from an inherited defect of adult hemoglobin, the oxygen-carrying metalloprotein constituent of erythrocytes. Common genetic variation associated with sickle cell disease severity modulates an adult-stage erythroid enhancer element of the *BCL11A* gene. Disruption of this element could ameliorate the disease by reestablishing expression of fetal hemoglobin. See pages 206 and 253.

*Image: Dennis Kunkel Microscopy, Inc./Visuals Unlimited, Inc.*

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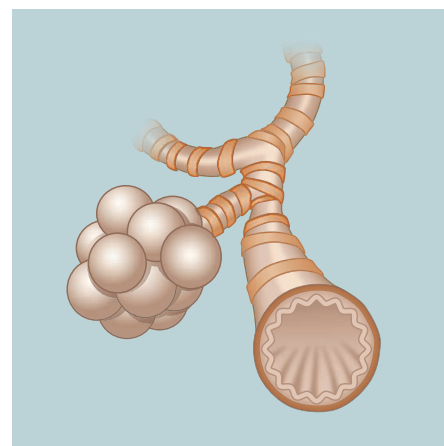
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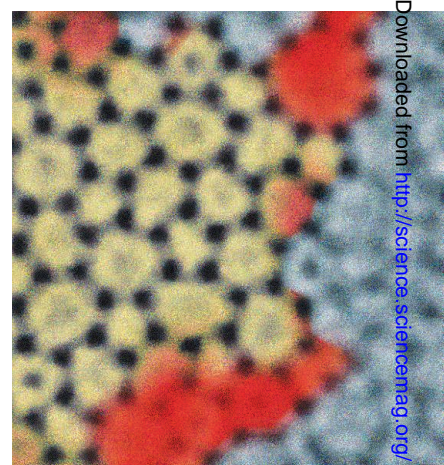
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