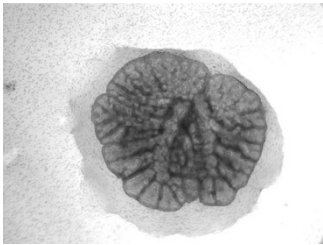
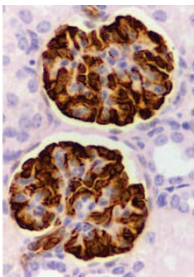


## EDITOR'S FOCUS



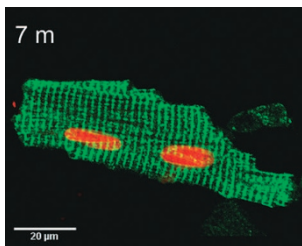
Inhibition of the c-Jun N-terminal kinase (JNK) pathway promoted TGF- $\beta$ 1 driven Smad2 responses in murine embryonic lung branching morphogenesis.

**See page 381**



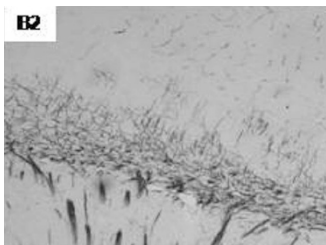
Postnatal administration of retinoic acid while not adversely affecting kidney development is unable to stimulate nephrogenesis in the preterm baboon.

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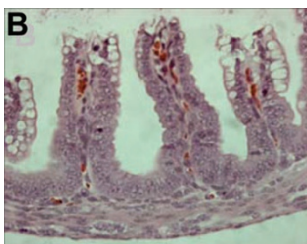
Measurement of isometric development force in human ventricular strips from newborn and infants undergoing cardiac repair reveals that the force frequency response is flat in the newborn and increases with age in response to maturation of calcium handling.

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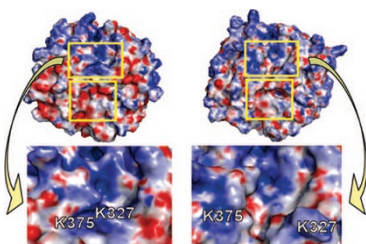
Antenatal ureaplasma parvum exposure perturbs murine brain development and exacerbates the deleterious effects of hyperoxia on lung development.

**See page 430**



Preclinical trials of providing Good Manufacturing Practice Grade heparin binding epidermal growth factor (800  $\mu$ g/kg/dose four times a day) produced in *Pichia pastoris* yeast in the first feed or 12 hours later significantly reduced the incidence of necrotizing enterocolitis in rat.

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Two novel mutations, p.L40fsX100 and p.G381R, in the gene encoding ectodysplasins A of two patients with X-linked hypohidrotic ectodermal dysplasia are described. Simulation analysis suggested that the p.G381R mutation hampers binding of ectodysplasins A to its receptor by altering the overall protein structure.

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