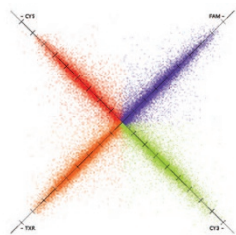
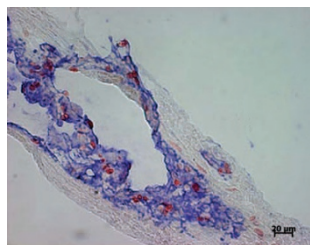


## EDITOR'S FOCUS



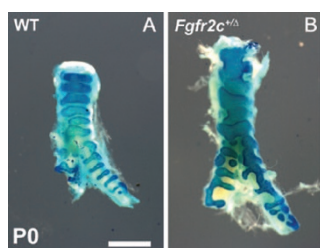
In this review discussion surrounds the anticipated benefits of whole genome analysis to personalized medicine and provision of healthcare while addressing the challenges raised by these technologies with medical, ethical, legal and social implications.

**See page 357**



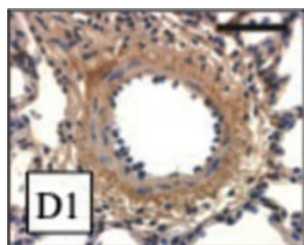
Intrahepatic cholestasis due to inflammation related down regulation of basolateral and canalicular hepatobiliary transporters is an early event in the development of biliary atresia in mice.

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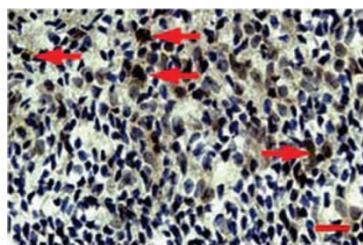
Fibroblast growth factor (FGF) 10 plays a critical inductive role in tracheal stenosis. Genetic knock down of *Fgf10* in *Fgfr2c*<sup>+/ $\Delta$</sup>  mice rescues this phenotype, thereby shedding some light on the underlying cause of tracheal defects in Apert syndrome.

**See page 386**



Overcirculation-induced pulmonary hypertension in piglets downregulated vasoactive intestinal peptide (VIP) signaling without a change in the related pituitary adenylate cyclase activating polypeptide (PACAP) expression in nerve fibers surrounding pulmonary arterial smooth muscle.

**See page 395**



Maternal inhalation of 3% isoflurane as an anesthetic agent increased neurodegeneration in the hippocampal CA1 area and the retrosplenial cortex in the developing fetal rat brain.

**See page 435**



Neonatal isolation in rats increases epileptogenesis with early life status epilepticus and behavioral seizures with high hippocampal T2 signal on MRI and loss of hippocampal NeuN-immunoreactive (NeuN-IR) cells. An NMDA receptor antagonist MK-801 ameliorates these brain injuries.

**See page 441**