



Cover: Dorsal (top) and transverse (bottom) views of zebrafish embryos expressing fluorescent reporters that allow direct visualisation of epithelial-to-mesenchymal transition (EMT) during neural crest development. These embryos were used in a phenotype-based chemical screen to identify small-molecule inhibitors of EMT *in vivo*. This approach led to the discovery of a multi-kinase inhibitor, called TP-0903, which inhibits cranial neural crest EMT through activation of the retinoic acid transcriptional response. TP-0903 is also a potent inhibitor of EMT in human cancer cells and is progressing toward a first-in-human study in a number of advanced malignancies. See article by Jimenez et al. on page 389.

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- 389 Phenotypic chemical screening using a zebrafish neural crest EMT reporter identifies retinoic acid as an inhibitor of epithelial morphogenesis
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- 401 5-HT_{2A} and 5-HT_{2C} receptors as hypothalamic targets of developmental programming in male rats
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- 413 Common arterial trunk and ventricular non-compaction in *Lrp2* knockout mice indicate a crucial role of LRP2 in cardiac development
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- 427 Depletion of regulatory T cells leads to an exacerbation of delayed-type hypersensitivity arthritis in C57BL/6 mice that can be counteracted by IL-17 blockade
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- 441 Angiotensin-(1-7) attenuates disuse skeletal muscle atrophy in mice via its receptor, Mas
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