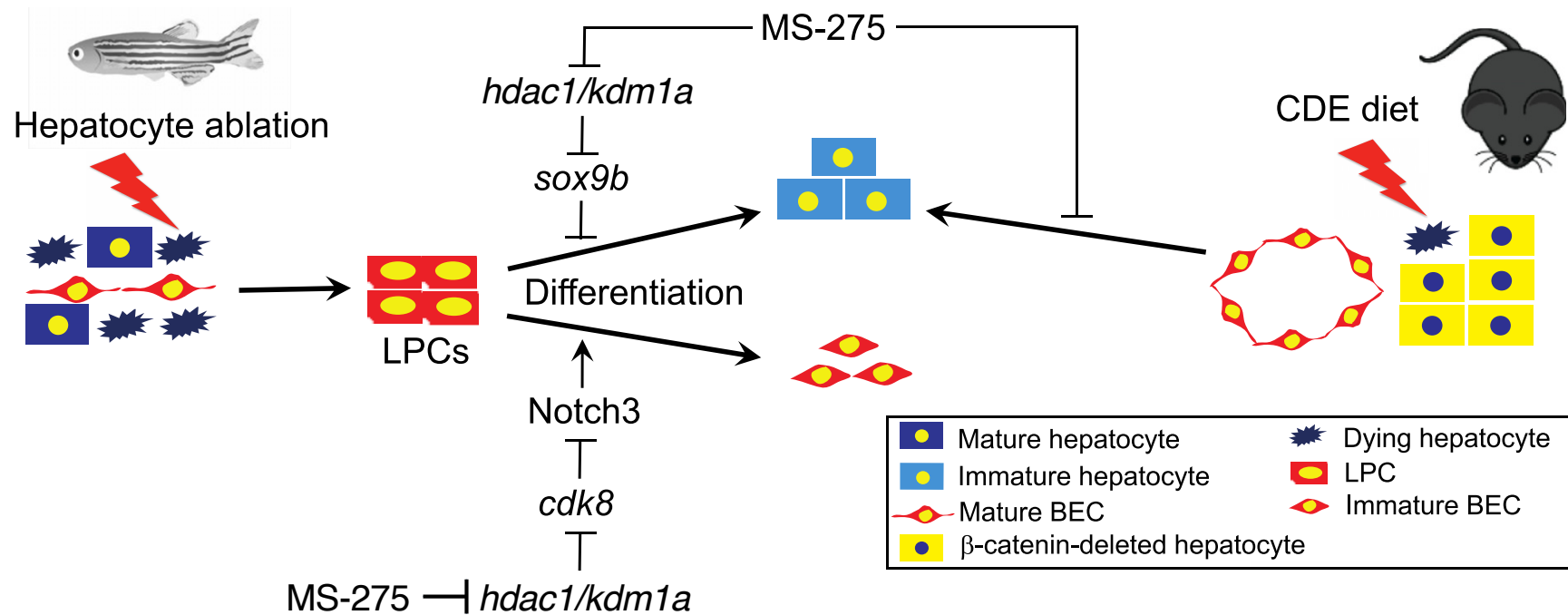


Hdac1 regulates differentiation of bipotent liver progenitor cells during regeneration via Sox9b and Cdk8



We demonstrated that histone modification proteins Hdac1 and Kdm1a regulate differentiation of liver progenitor cells to hepatocytes or biliary epithelial cells via the Hdac1-Sox9 axis and the Hdac1-Cdk8-Fbxw7-Notch3 axis, respectively, in the liver regeneration process using zebrafish model. These pathways might be manipulated to induce liver regeneration for treatment of patients with advanced liver disease.

Reference: Ko *et al.* (2019) *Gastroenterology* 156: 187-202

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