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Translational perspective

PCSK9 is a critical protein participating in degradation of low-density lipoprotein receptor, a receptor involved in clearance of circulating low-density lipoprotein. Anti-PCSK9 therapies approved for clinical use are currently limited to antibody therapies. PCSK9 siRNA therapy is also showing promise in clinical trials, but small molecule PCSK9 inhibitors have proven difficult to develop. This study identifies a small molecule inhibitor of a mitochondrial fission protein, DRP1 in human hepatocytes, and hepatocyte DRP1-deficiency in mice reduces PCSK9 secretion, providing initial proof-of-concept for novel small molecule PCSK9 inhibition.

Erratum

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Erratum to: Transcriptome and proteome mapping in the sheep atria reveal molecular features of atrial fibrillation progression

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In the originally published version of this manuscript, the supplementary figures were missing. The supplementary figures have now been added online.

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