

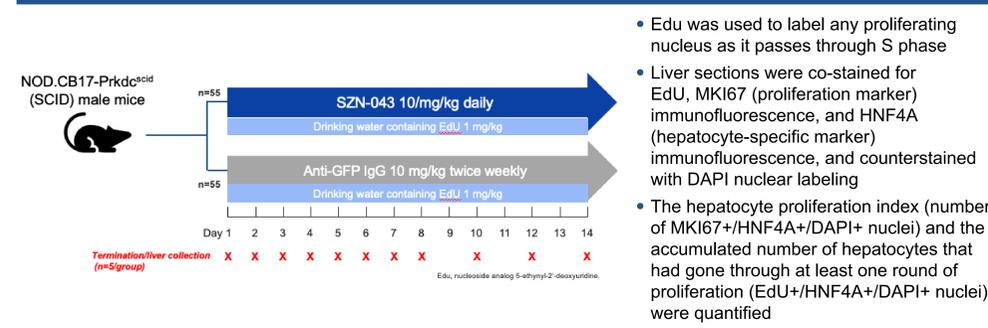
SZN-043 Induced Quick and Robust Hepatocyte Proliferation in a 14-Day Daily Dosing Edu-labeling Study in SCID Mice

Chenggang Lu*, Russell B. Fletcher, Jacqueline L. Phipps, Darshini Shah, Shalaka Deshmukh, Trevor Fisher, Hélène Baribault, Wen-Chen Yeh, Yang Li
 Surrozen Inc., South San Francisco, CA 94080, USA; *Presenting author

Background

- Wnt/ β -catenin signaling plays a key role in hepatocyte regeneration in homeostasis and after liver injury
- R-spondins (RSPO) amplify the signal of Wnt ligands by stabilizing and increasing the amount of Wnt receptors on the cell surface
- We previously showed that our hepatocyte-targeted RSPO mimetic, SZN-043, specifically induced Wnt target gene expression in the liver and promoted hepatocyte proliferation in mice
- This study aimed to evaluate the kinetics and the overall effects of SZN-043-induced hepatocyte proliferation in a 2-week daily SZN-043 dosing schedule

Methods



Results

Figure 1. Significant Proliferation of Hepatocytes in Response to SZN-043 Was Quick and Transient

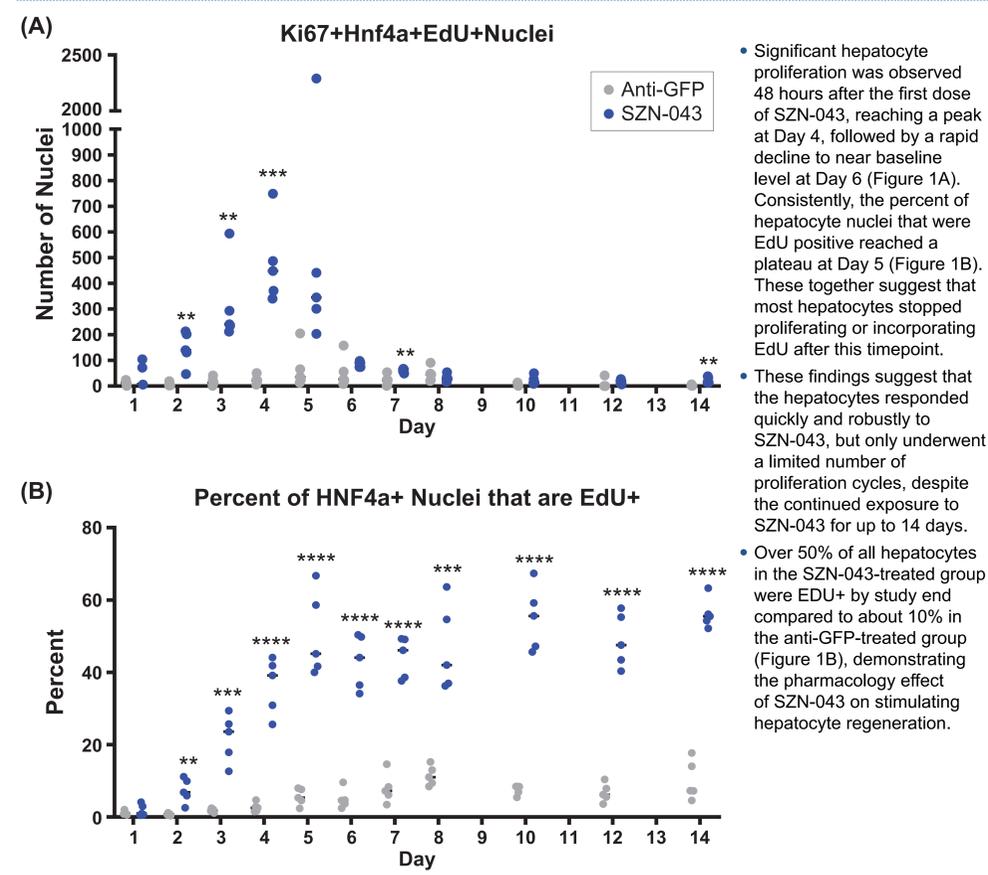


Figure 2. Liver mRNA Expression of Axin2 was Significantly Increased with SZN-043

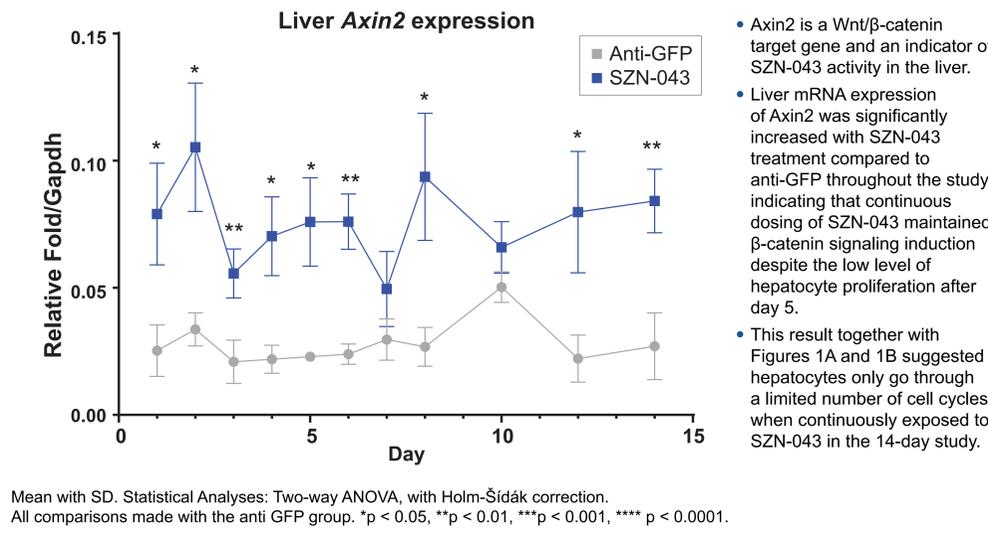
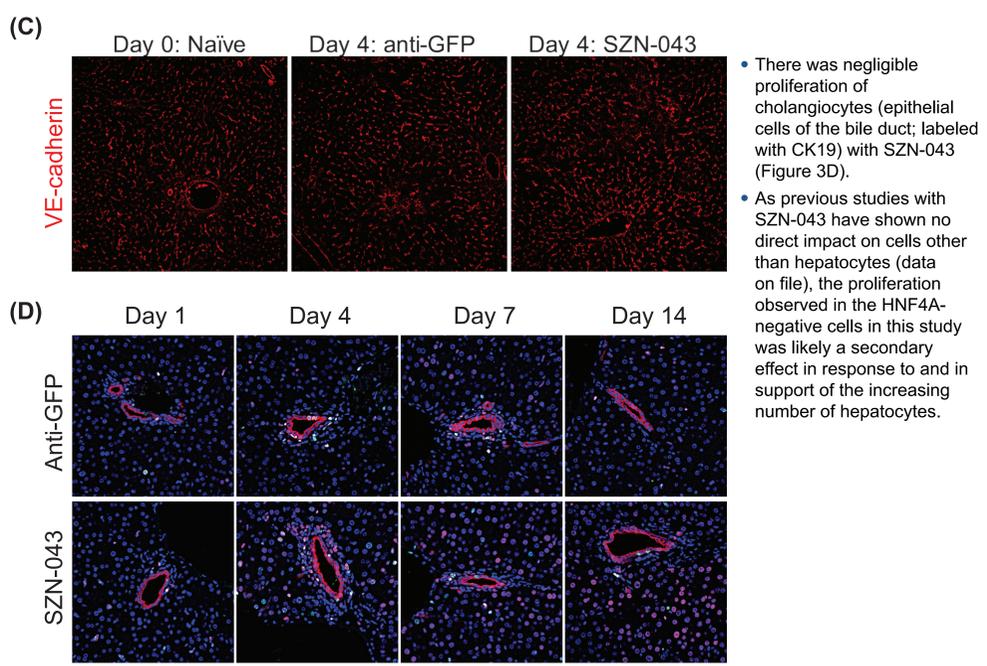
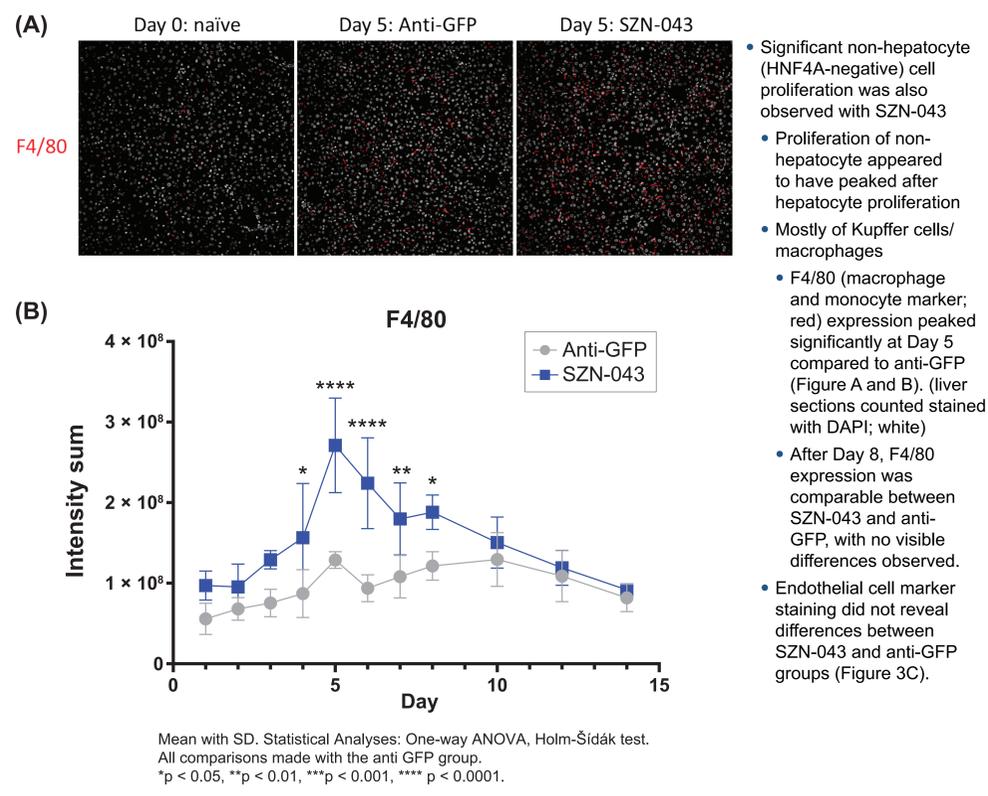


Figure 3. Non-Hepatocyte (HNF4A-negative) Cell Proliferation was Significant with SZN-043



Conclusions

- SZN-043 induced a rapid transient increase in hepatocyte proliferation, followed by rapid a decline to baseline despite continued exposure to SZN-043 and β -catenin signaling induction for up to 14 days.
- Hepatocyte proliferation induced by SZN-043 was self-limited and likely controlled by other mechanisms controlling cell proliferation (Sarkar A. et al., 2021).
- Proliferation observed in the HNF4A-negative cells was likely due to the tissue responding to the large number of proliferating hepatocytes.

Presenting author: Chenggang Lu, email: chenggang@surrozen.com
 Surrozen Inc., South San Francisco, CA 94080 — www.surrozen.com

These materials contain forward-looking statements regarding Surrozen, Inc. (the "Company"). There can be no assurance that these forward-looking statements can or will be achieved, and the Company makes no representations or warranties as to its actual future performance. In addition, the Company makes no warranties or representations regarding the accuracy or completeness of these materials and expressly disclaims any obligation to correct, update or revise any of these materials for any reason. The recipient of these materials should conduct its own investigation and analysis of the business of the Company and the data described in these materials.