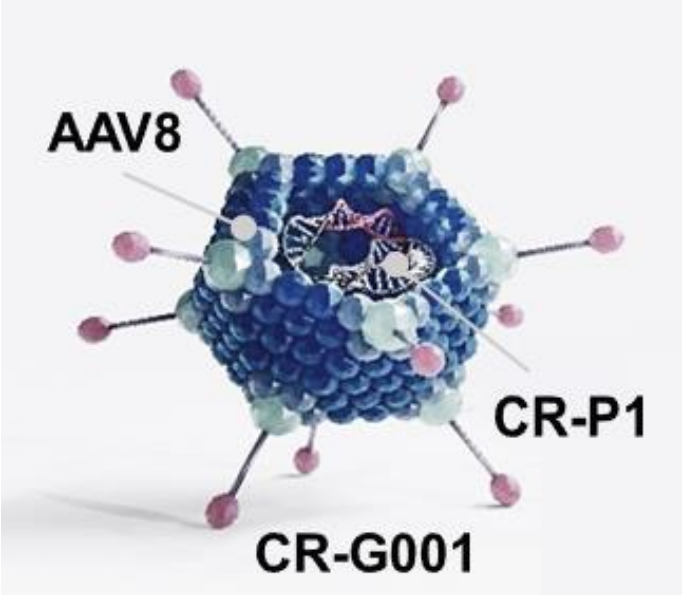
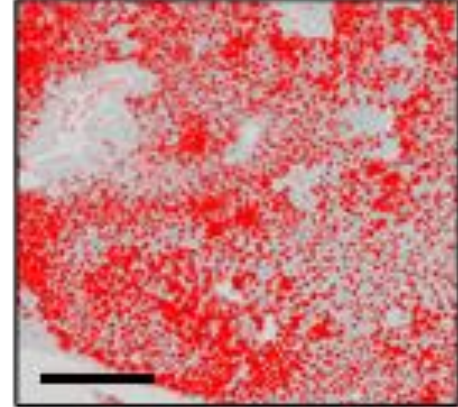
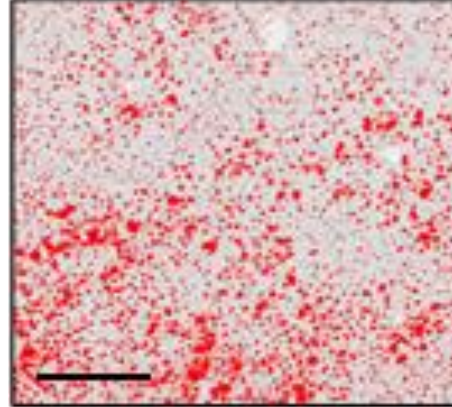
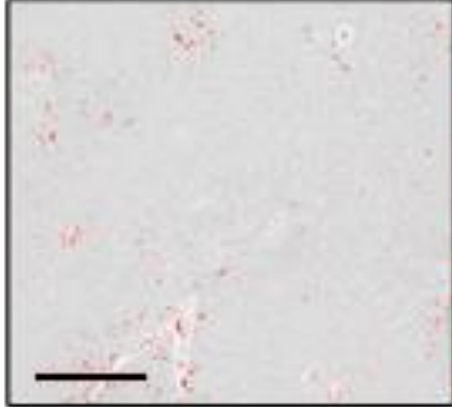
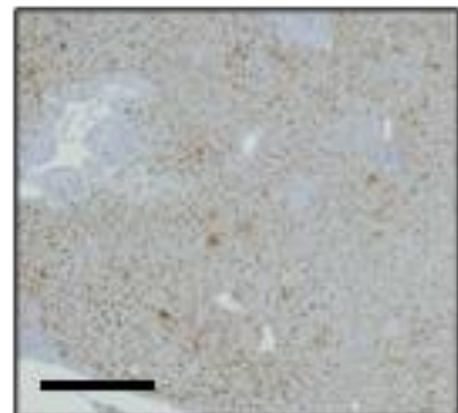
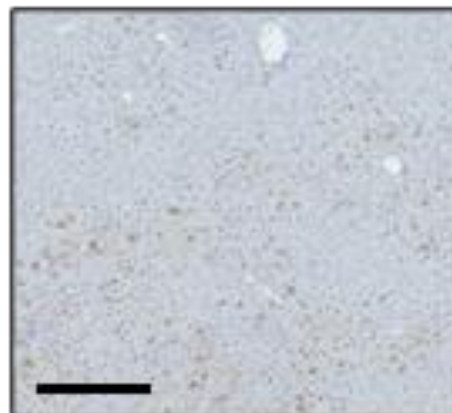
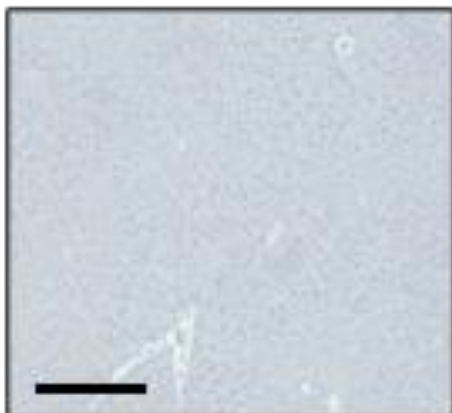
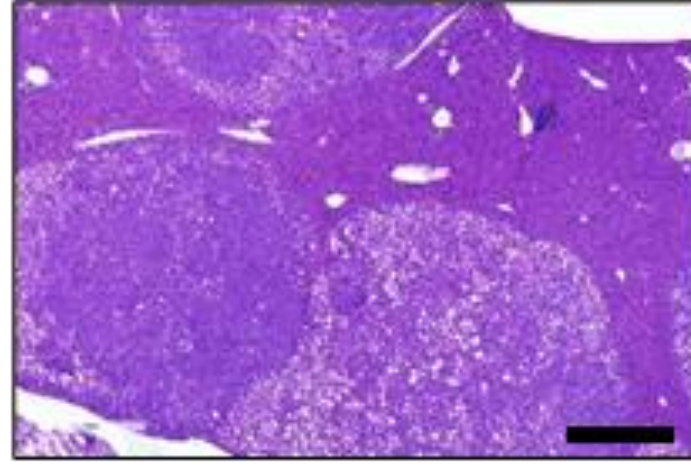
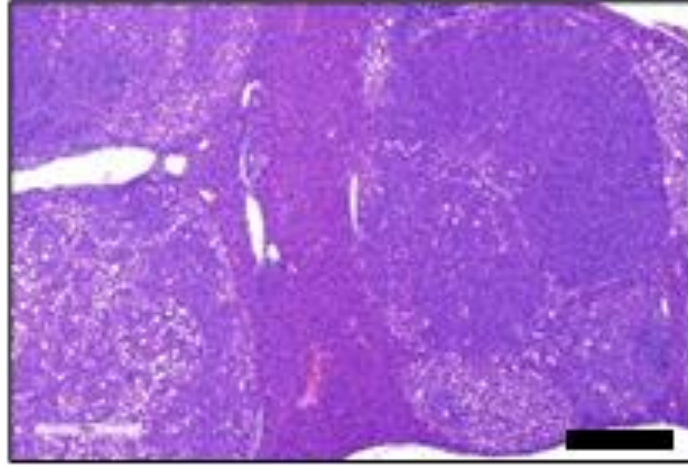
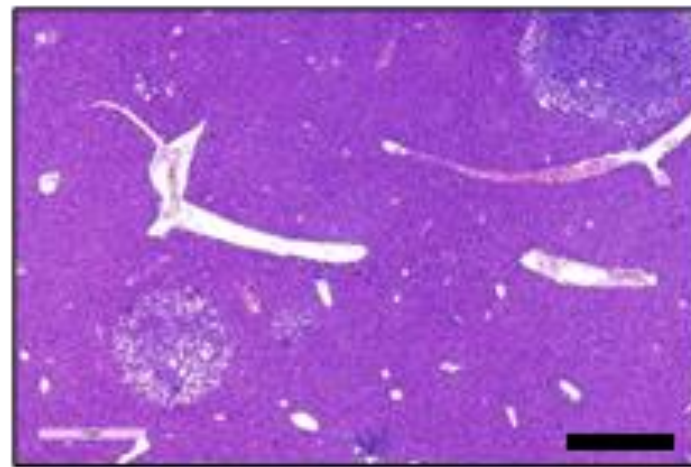
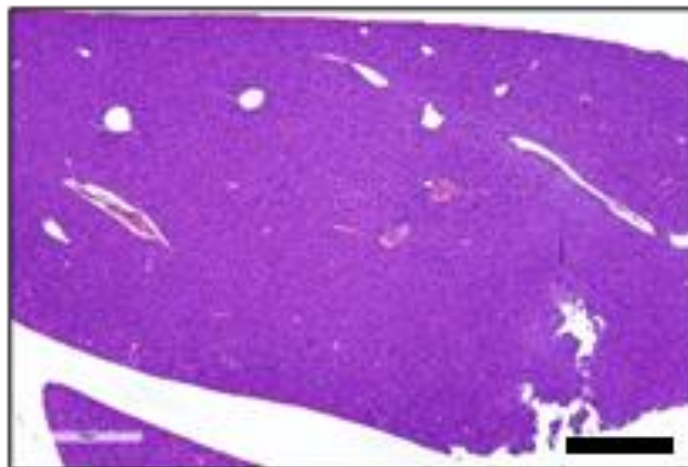


# Development of Innovative Gene Therapy Candidate for Hepatocellular Carcinoma Targeting High-Risk Dual-Specific Protein Phosphatase

CUROGEN Technology

Disease Area	Oncology
Product Type	[Gene therapy] CR-G001; AAV8 expressing CR-P1 under the control of hepatocyte selective TBG promoter
Indication	Hepatocellular Carcinoma (MASH-associated and HBV-positive HCC)
Target	CR-P1 (Code name)
Mechanism of Action	<ul style="list-style-type: none"><li>Inactivation of hepatocellular carcinoma cells<ul style="list-style-type: none"><li>Recovery from hepatocyte damage</li><li>Inhibition of hepatic oncogenic cell cycle</li></ul></li><li>Improvement of anti-tumor immunity<ul style="list-style-type: none"><li>Improvement of anti-tumor activity of macrophage</li><li>Improvement of CD8<sup>+</sup> T cell cytotoxic &amp; effector function</li></ul></li></ul>
Competitiveness	<ul style="list-style-type: none"><li>First-in-class HCC gene therapy</li><li>Excellent treatment efficacy with single injection in various HCC murine models</li><li>Better therapeutic interventions compared to mtTKIs and ICIs</li><li>Substantial improvement of modality with combined (mtTKI and ICI) treatments</li></ul>
Development Stage	Lead
Route of Administration	Portal vein or hepatic artery injection
Key Data	<div><div><div><div><div>AAV8</div><div>CR-P1</div><div>CR-G001</div></div><div></div></div></div><div><div>Promoter gene dependent in vivo expression of CR-G001</div><div><div>AAV8-CMV-Empty</div><div>AAV8-CMV-CR-P1</div><div>AAV8-TBG-CR-P1</div></div><div><div>IHC:HA</div><div>HA-tag positive area</div></div><div><div></div><div></div><div>Scale bar = 300mm</div></div></div><div><div>Efficacy of CR-G001 in oncogene-induced HCC model</div><div><div>AAV8-TBG (Control)</div><div>AAV8-TBG -CR-P1 (CR-G001)</div></div><div><div></div><div></div><div>Scale bar = 1 cm</div></div></div></div>