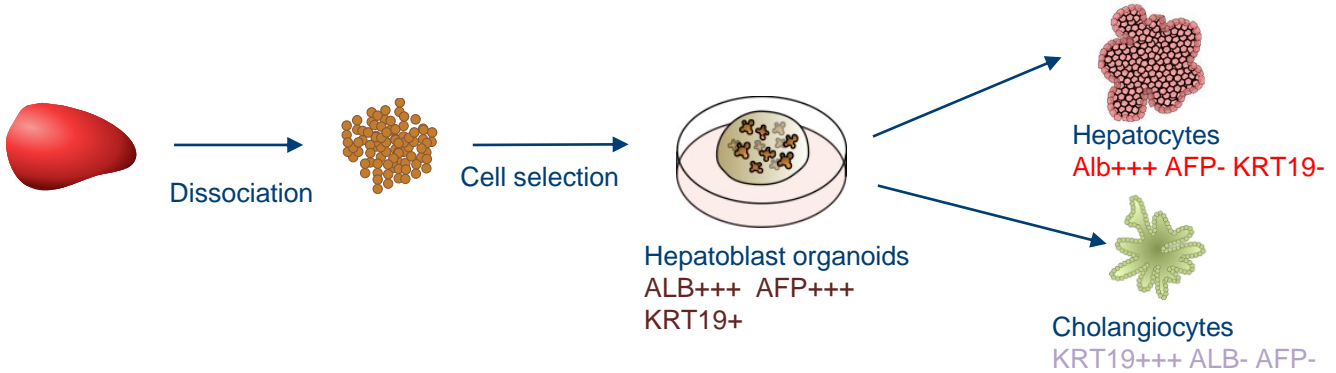


# Hepatoblast Organoids

A novel three dimensional primary cellular model for drug screening and cell based therapy in liver



## Creating the first “liver in a dish”

- ✓ Bipotential human hepatoblast cells can be expanded exponentially for more than a year in 3-D
- ✓ Hepatoblasts can uniquely generate both liver parenchyma cell types in one system (hepatocytes & cholangiocytes)
- ✓ Transplanted hepatoblast constructs differentiate to functional differentiated organoids in vivo

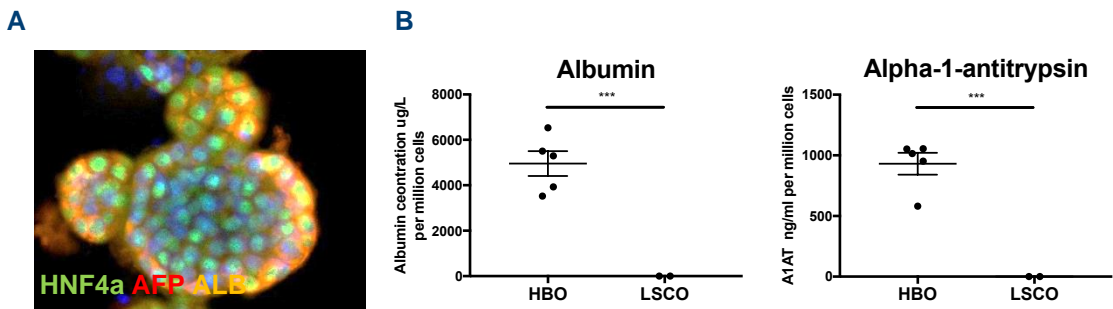


Figure 1: A) Immunofluorescent staining of a hepatoblast organoid. B) Protein production per litre of medium per million cells for albumin (left) and alpha-1-antitrypsin (right), for HBO (hepatoblast organoid) and LSCO (Liver stem cell organoids)

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