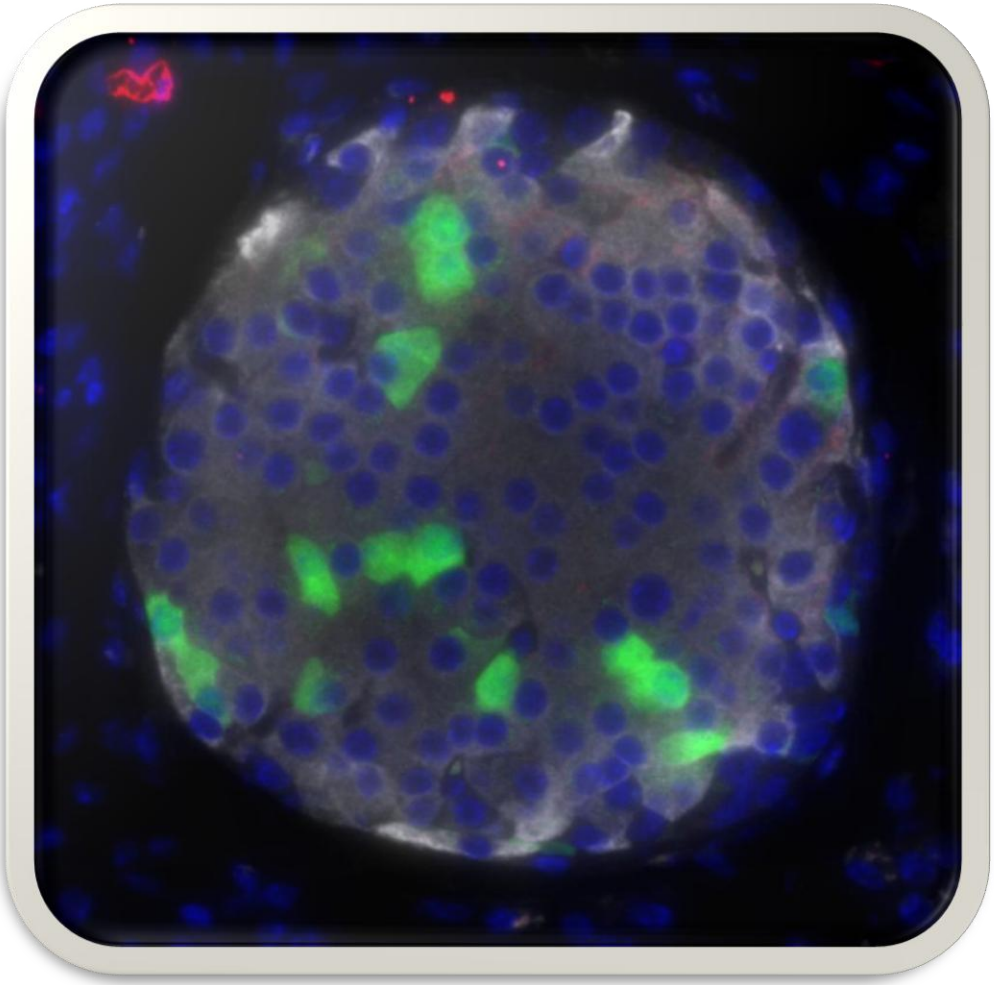
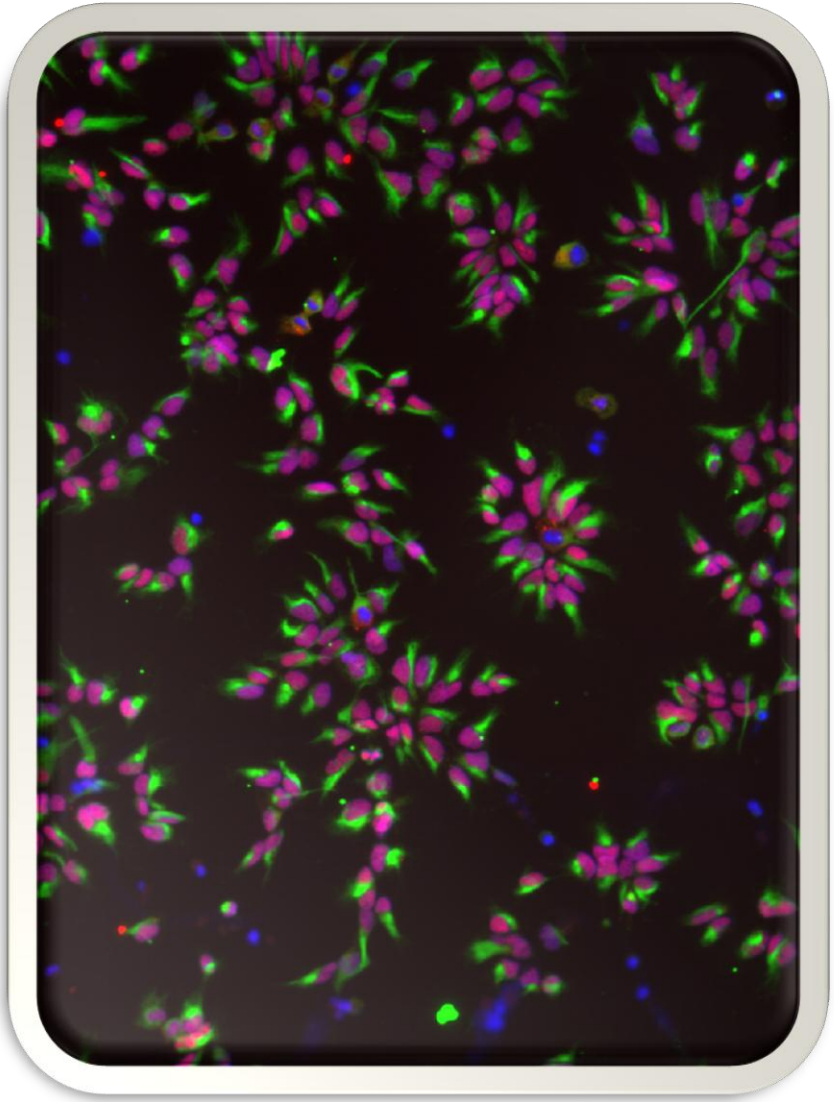
Permission to use the scientific images in this activity was kindly given by the scientists credited on each slide. These images should not be used for other purposes without prior consent.



Stem cells in the pancreas

True stem cells are yet to be found in the adult pancreas. This image shows cells producing insulin in grey (beta cells) which are thought to derive from progenitors (shown in green) .

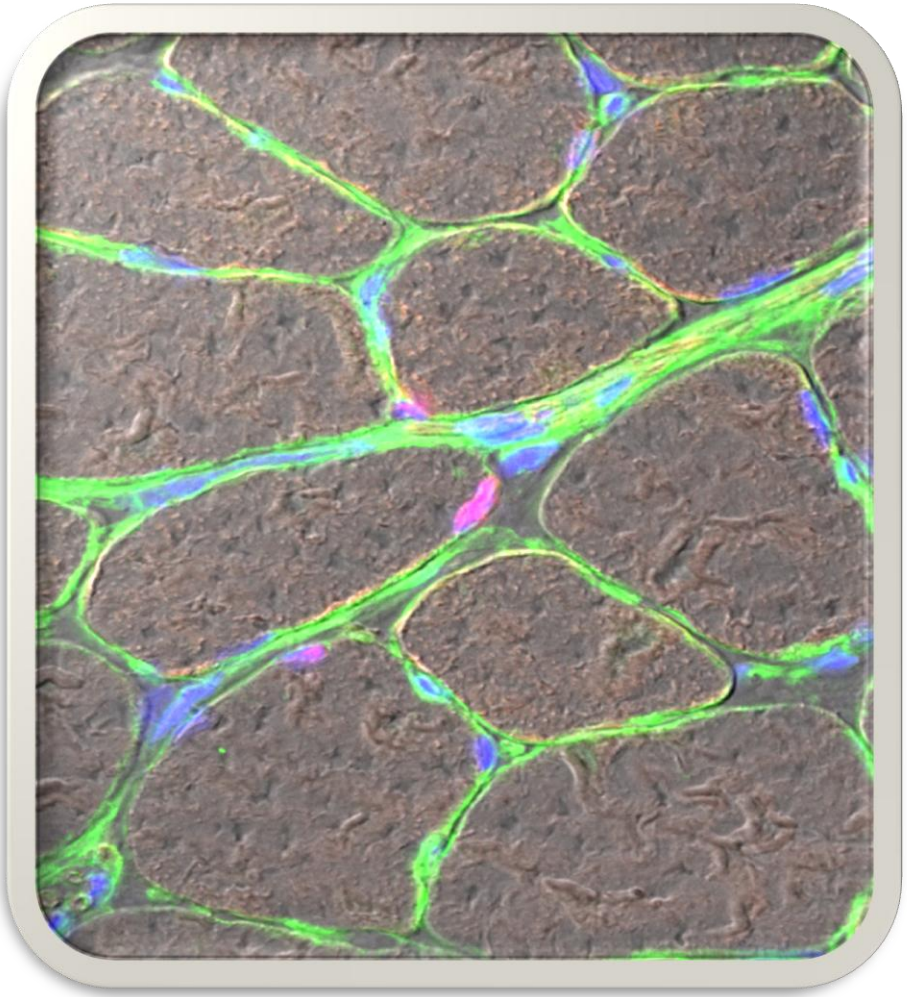
Image credits
Mark Van De Casteele, Gunter Leuckx and Harry Heimberg



Stem cells in the brain

Neural stem cells have been found in certain parts of the adult brain. This image shows neural stem cells produced using human induced pluripotent stem cells.

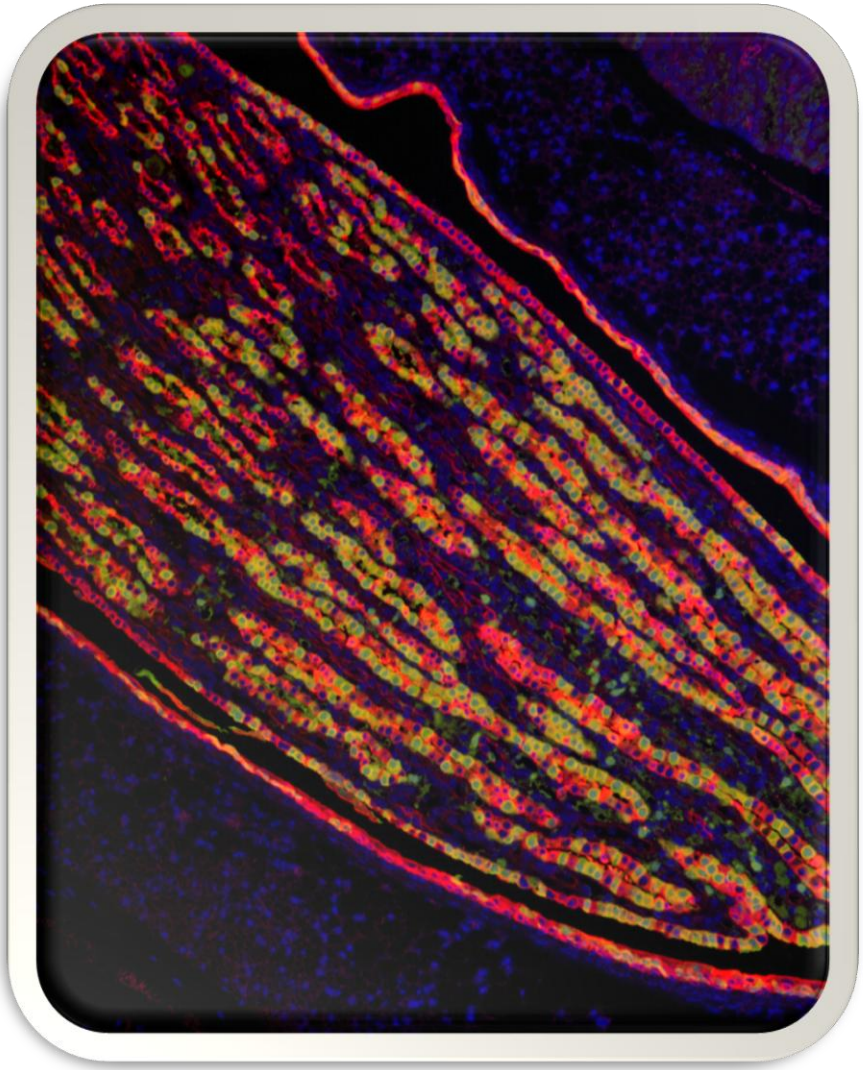
Image credits:
Stefano Camnasio



Stem cells in the muscle

A section of muscle showing muscle fibres separated by a membrane in green and muscle stem (satellite) cells stained red.

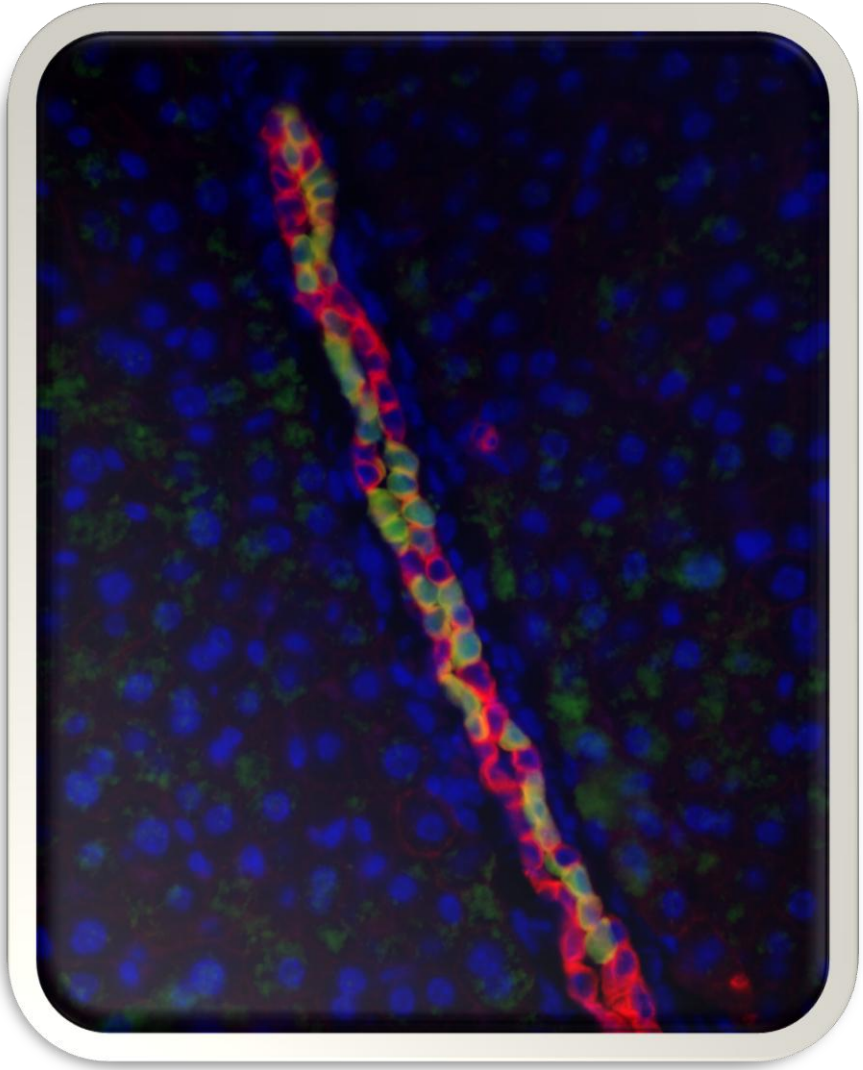
Image credits:
Shahragim Tajbakhsh



Stem cells in the kidney

Stem cells are thought to exist in the kidney but at the moment it is not known where. Though, we do know that the cells shown in green in this image are progenitor cells that can produce different types of kidney cell.

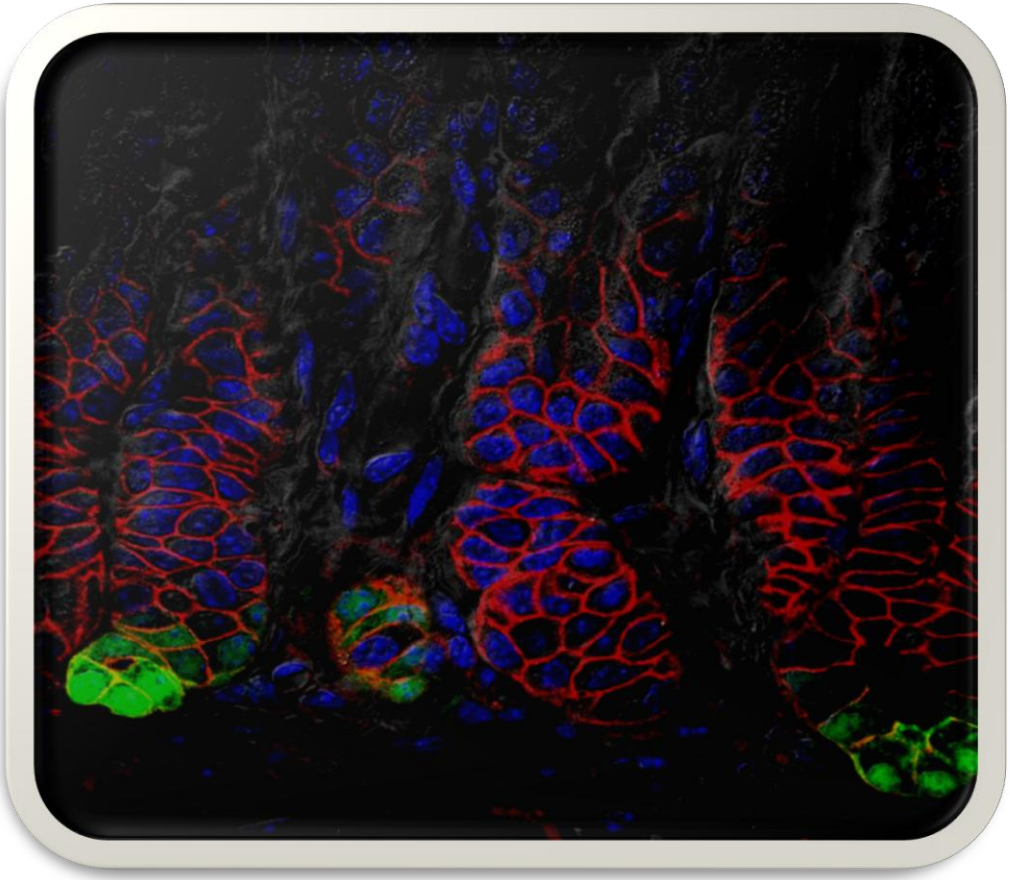
Image credits:
Luke Boulter



Stem cells in the liver

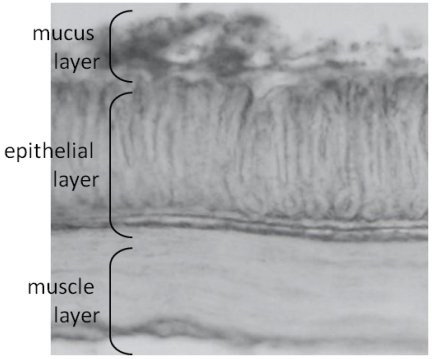
Stem cells are thought to exist in the liver but at the moment it is not known where. Though, we do know that the cells shown here in green are progenitor cells that produce different types of liver cell.

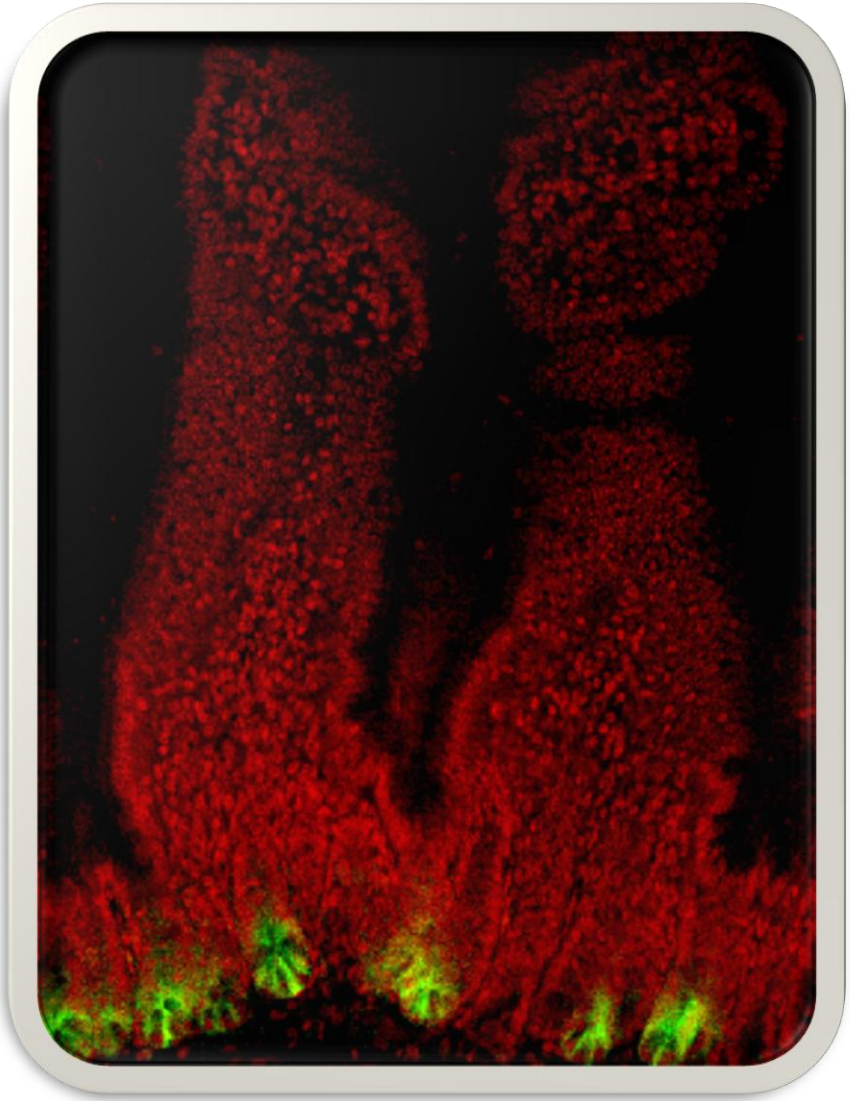
Image credits:
Luke Boulter



Stem cells in the stomach

Stem cells in the stomach shown in green.
Image credits: Nick Barker

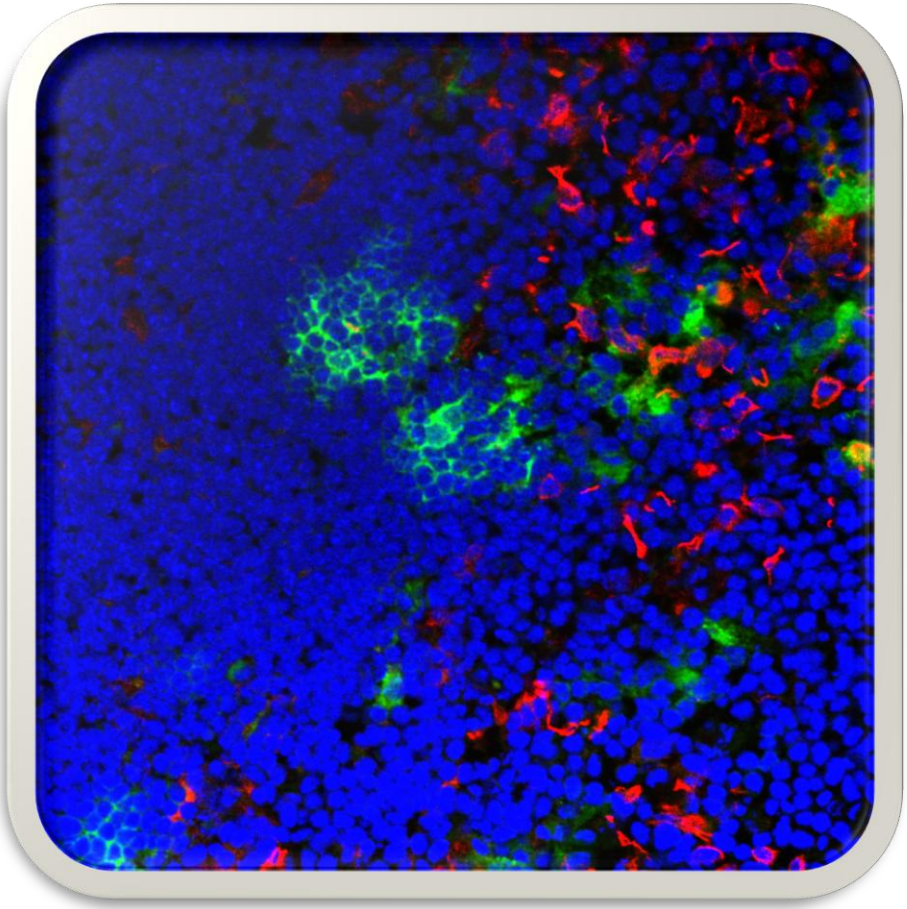




Stem cells in the intestine

Stem cells in the intestine shown in green.

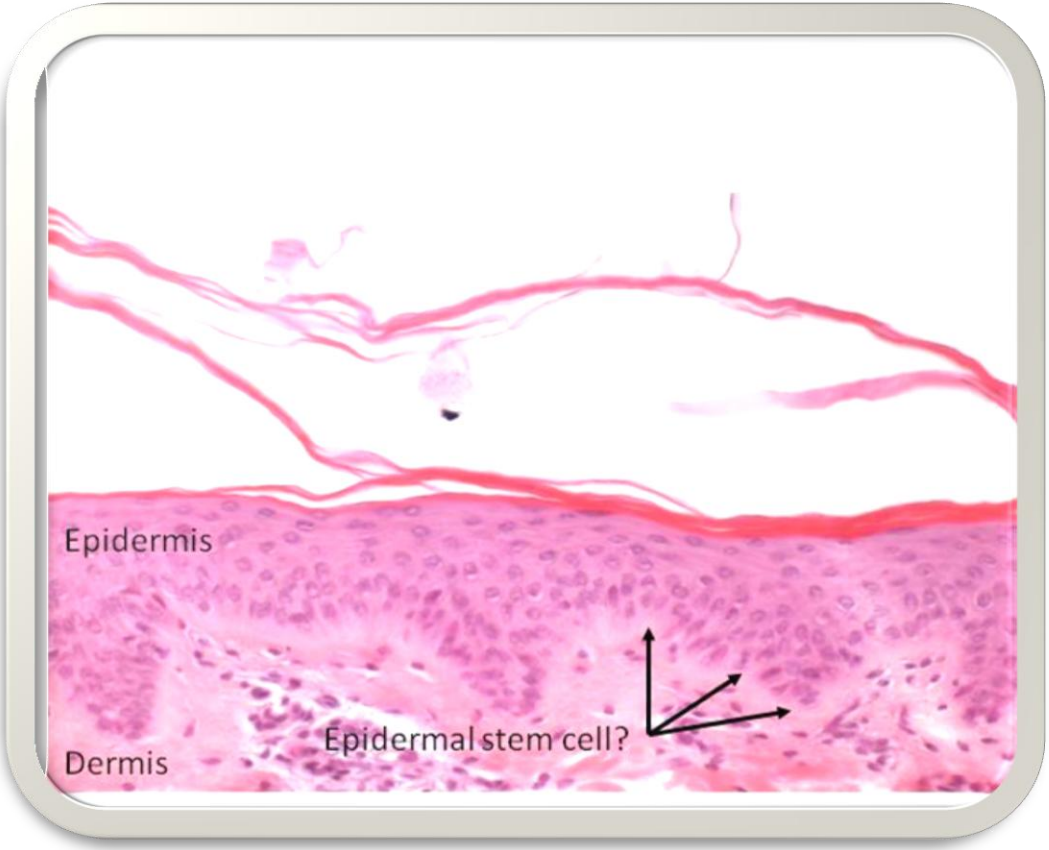
Image credits: Hans Clever



Stem cells in the thymus

Stem cells are thought to exist in the thymus but at the moment it is not known where. Though, we do know that the cells shown here in green are progenitor cells that can give rise to two different types of thymus cell.

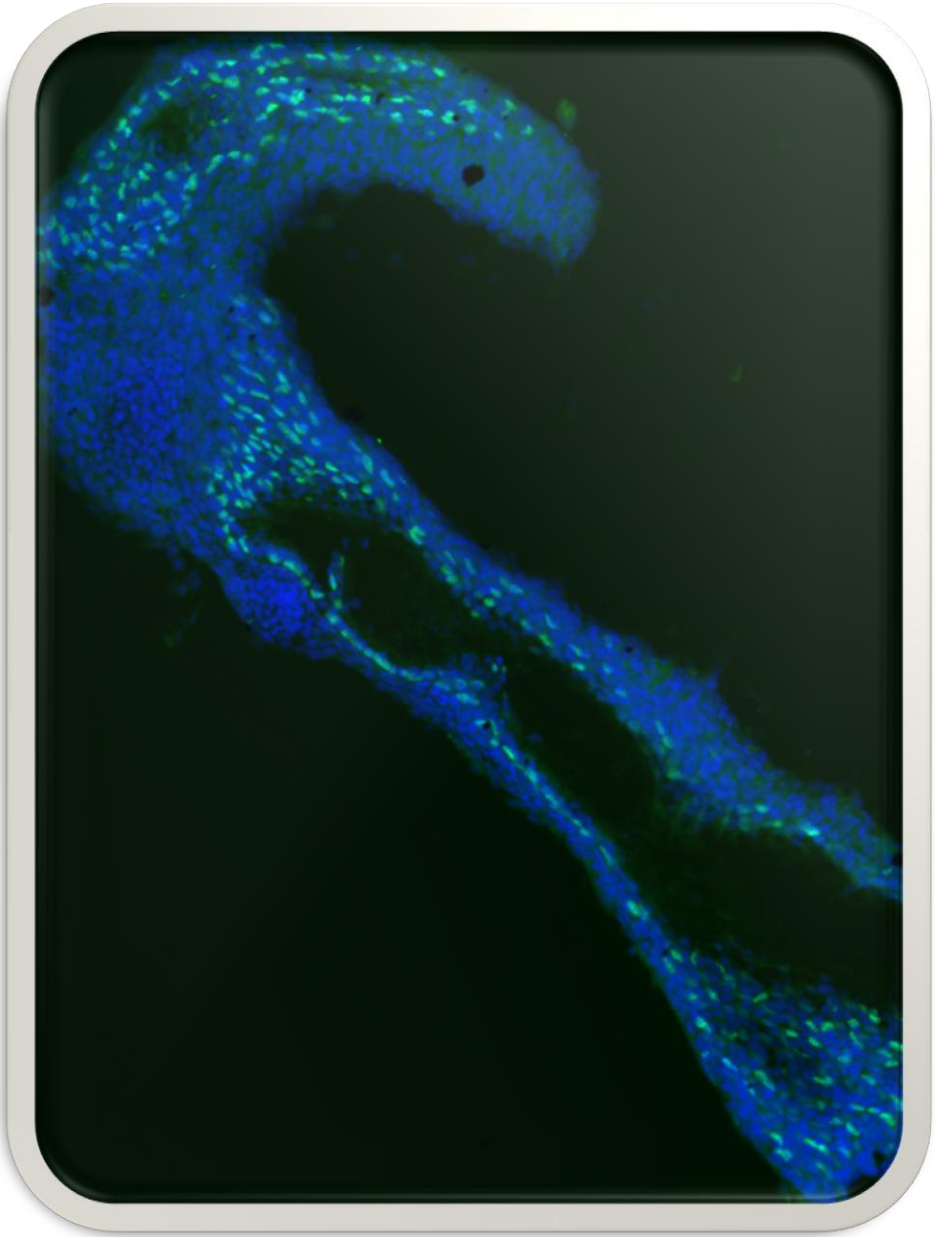
Image credits: Alison Farley



Stem cells in the skin

We know there are stem cells in the skin (epidermis) but at the moment we don't know how to mark them so that they can be seen. This image shows where we think they are.

Image credits: François Gorostidi



Stem cells in the lung

We know there are stem cells in our lungs. This image shows stem cells in green in a mouse trachea that has been made in the lab.

Image credits: Julie Watson