

Culture of human duodenal epithelial stem cells as organoids

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Organisation

Name of the organisation Université Libre de Bruxelles (ULB)

Department IRIBHM

Specific Research Group or Service GHoPaT group

Country Belgium

Geographical Area Brussels Region

Partners and collaborations

Université Libre de Bruxelles (ULB)

SCOPE OF THE METHOD

The Method relates to	Human health
The Method is situated in	Basic Research, Translational - Applied Research
Type of method	In vitro - Ex vivo
Specify the type of cells/tissues/organs	duodenal epithelial stem cells/biopsies

DESCRIPTION

Method keywords

transepithelial electric resistance
cell permeability
gut organoids
epithelium

Scientific area keywords

gastroenterology
Intestinal organoids
lipid metabolism

Method description

Human duodenal biopsies from metabolic dysfunction-associated steatohepatitis (MASH) patients were used to generate organoids and then investigate potential alterations in intestinal barrier and absorptive functions.

Method status

Published in peer reviewed journal

REFERENCES, ASSOCIATED DOCUMENTS AND OTHER INFORMATION

References

Duodenal organoids from metabolic dysfunction-associated steatohepatitis patients exhibit absorptive and barrier alterations Hadeji, Alia et al. Gastro Hep Advances, Volume 0, Issue 0, 100599

Associated documents

[Hadeji et al Gastro hep advances 2024.pdf](#)

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