

human induced pluripotent stem cells derived airway epithelium

Commonly used acronym: iPSC

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Contact person

Engi Ahmed

Organisation

Name of the organisation VIB - UGent

Department Center for Center for Inflammation Research

Specific Research Group or Service Laboratory of Immunoregulation

Country Belgium

Geographical Area Flemish Region

Name of the organisation IRMB INSERM 1183

Department IRMB INSERM 1183

Country Belgium

Geographical Area Flemish Region

SCOPE OF THE METHOD

The Method relates to	Human health
The Method is situated in	Translational - Applied Research
Type of method	In vitro - Ex vivo

DESCRIPTION

Method keywords

Human induced Pluripotent Stem Cell
differentiation
airways
lung epithelial cells

Scientific area keywords

Induced pluripotent stem cells
human airways
3D organoid models
Chronic obstructive pulmonary disease
asthma
epithelial cells
co-culture

Method description

Lab equipment

Method status

PROS, CONS & FUTURE POTENTIAL

Advantages

Challenges

Modifications

Future & Other applications

Disease modeling cell therapy

REFERENCES, ASSOCIATED DOCUMENTS AND OTHER INFORMATION

Coordinated by

Financed by

References



eam F &
D: 302.



Vlaanderen
verbeelding werkt

iPSC cell
ON protocol



bruxelles
environnement
leefmilieu
brussel
.brussels 

9MID:

35781291, PMID: 35499347 Gotoh Lab: PMID: 34798066