



*Fondazione per la Ricerca
sulla Fibrosi Cistica - Onlus
italian cystic fibrosis research foundation*

XIX CONVENTION OF INVESTIGATORS IN CYSTIC FIBROSIS

25 – 26 novembre 2021

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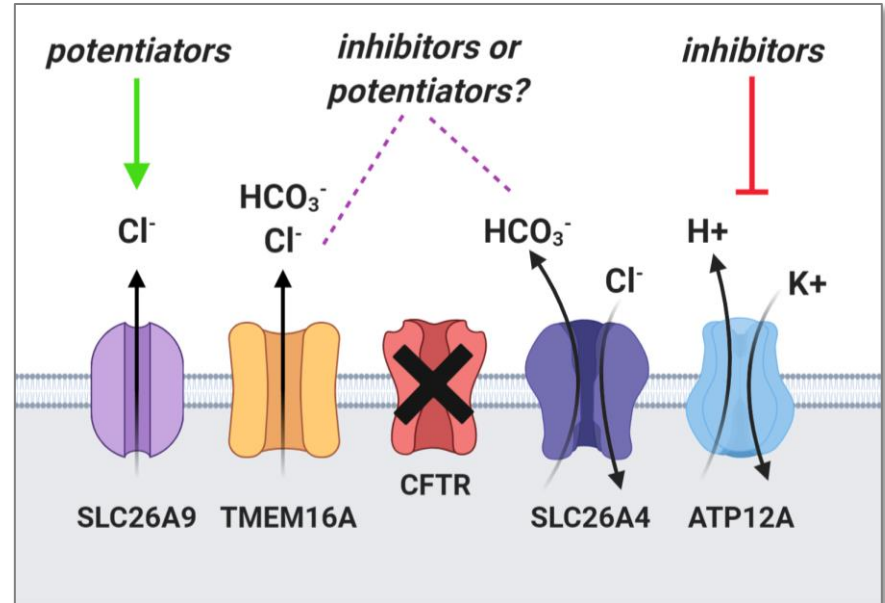
**ALTERNATIVE TARGETS FOR THE TREATMENT OF
CYSTIC FIBROSIS BASIC DEFECT
FFC#11/2021**



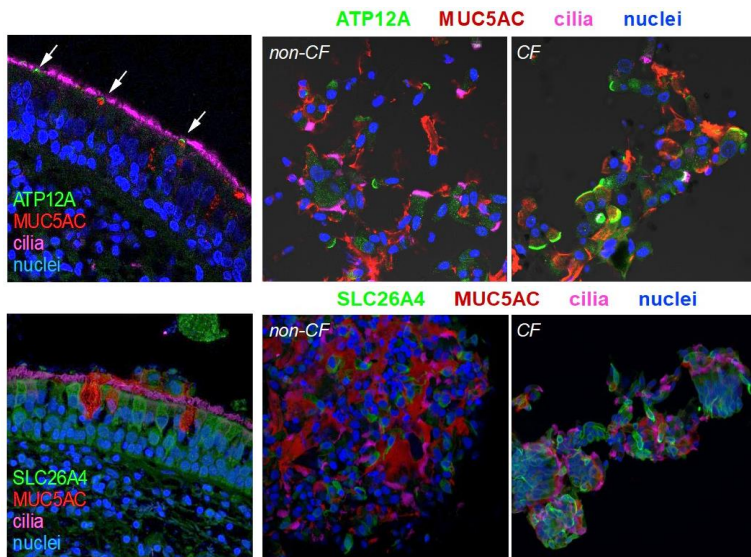
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AIMS:

- 1) To study the expression of alternative targets in CF and non-CF airways
- 2) To investigate the role of alternative targets in normal and CF airways
- 3) To develop functional assays for pharmacological screenings



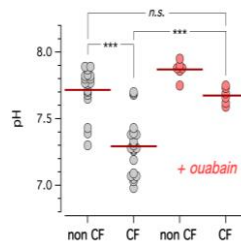
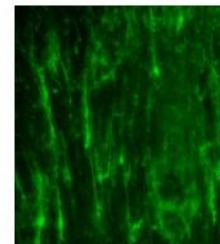
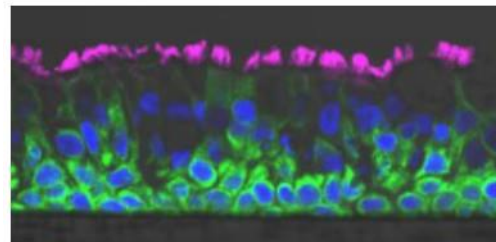
PRELIMINARY RESULTS:



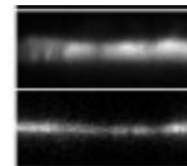
bronchi

nasal brushings

Alternative targets expression
in healthy and CF airways



**ASL thickness,
pH and viscosity,
mucus secretion
and transport**



In vitro models and
functional assays



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ANTICIPATED OUTPUT

We expect to define novel therapeutic approaches based on the modulation of alternative targets and to develop tools and cell-based assays for future projects aimed at searching novel candidate drugs to compensate CFTR deficiency

