A CECs new discovery compels us to rethink the fundamental mechanisms of mammalian airways' hydration.

Carlos Flores , CECs Biology Lab researcher, along with Ambra Gianotti, a Doctoral student of Medical Genetics at the University of Genoa (Italy), who completed a residency funded by EMBO (European Molecular Biology Organization), developed a study about electrolyte transport in the trachea using new molecules that inhibit Calcium-activated (TMEM16A) chloride channels. This unexpected discovery revealed that one of these molecules (CaCC-inhA01) also inhibits the CFTR chloride channel. This discovery was later verified and replicated in human cells at the Gianinna Gaslini Molecular Genetics Institute in Genoa, where Ambra developed her Doctoral Thesis work. The result of this work was recently published by the *European Journal of Pharmacology*

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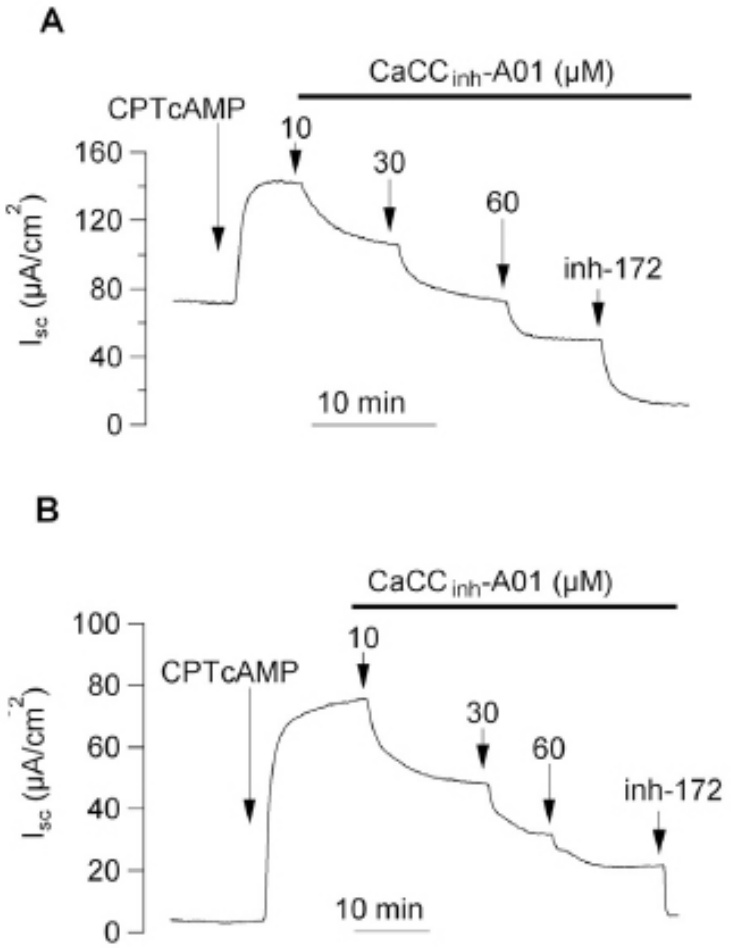

4.007. http://dx.doi.org/10.1016/j.ejphar.2016.10