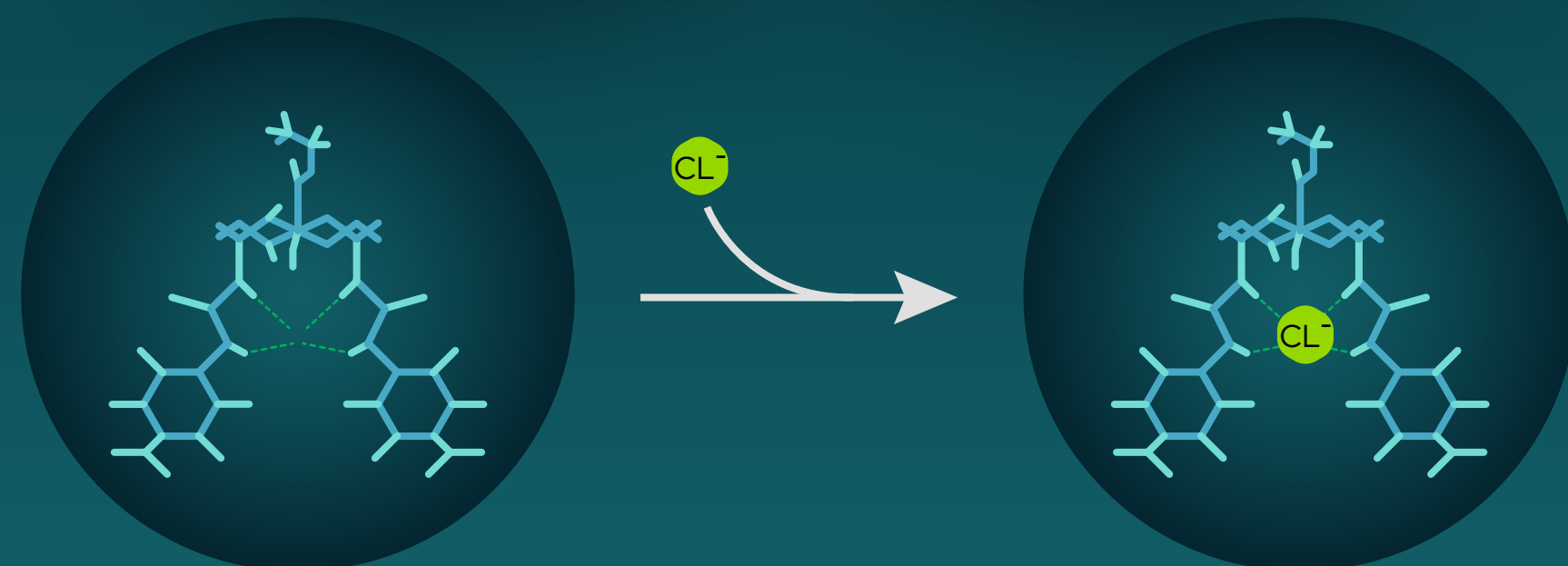
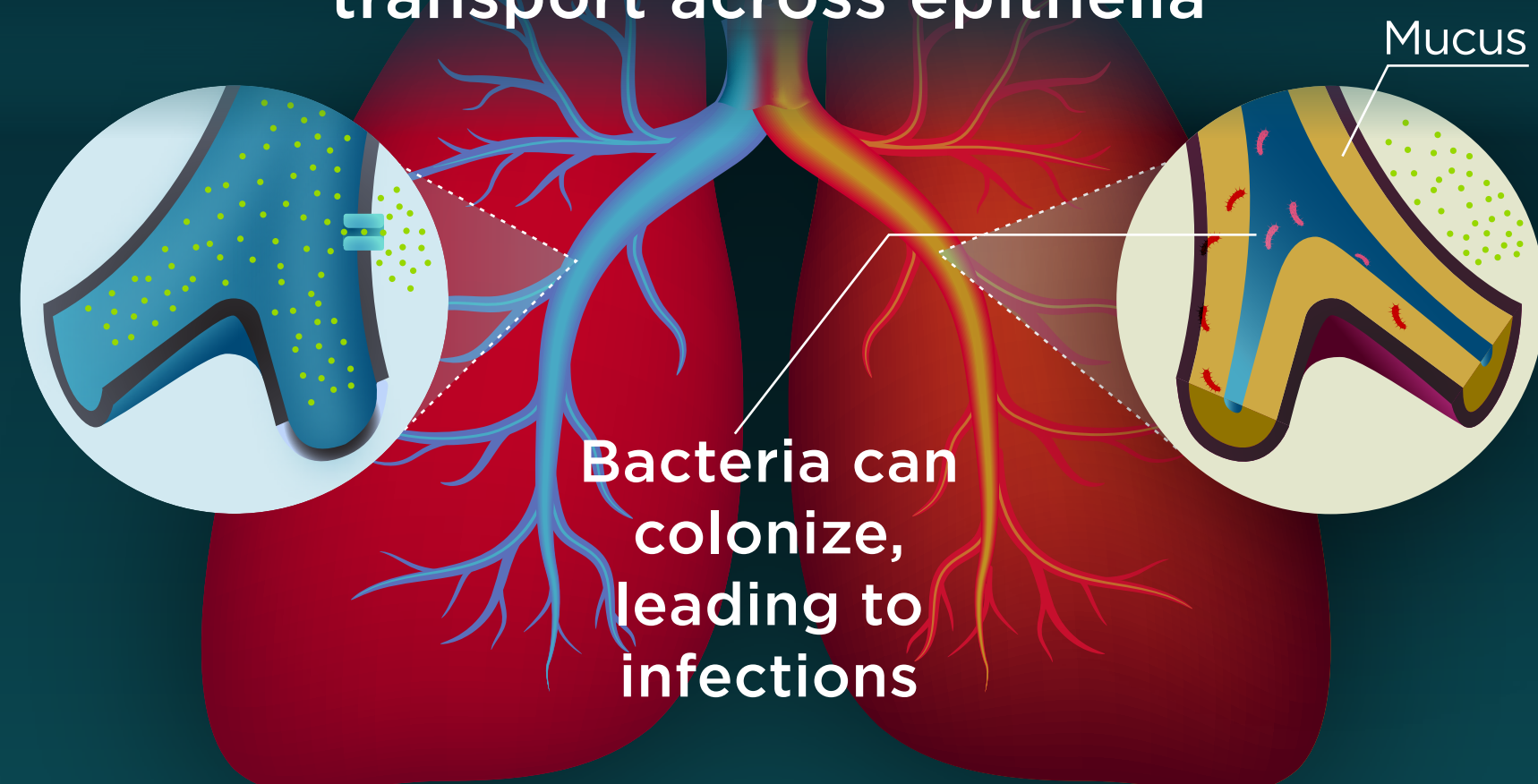
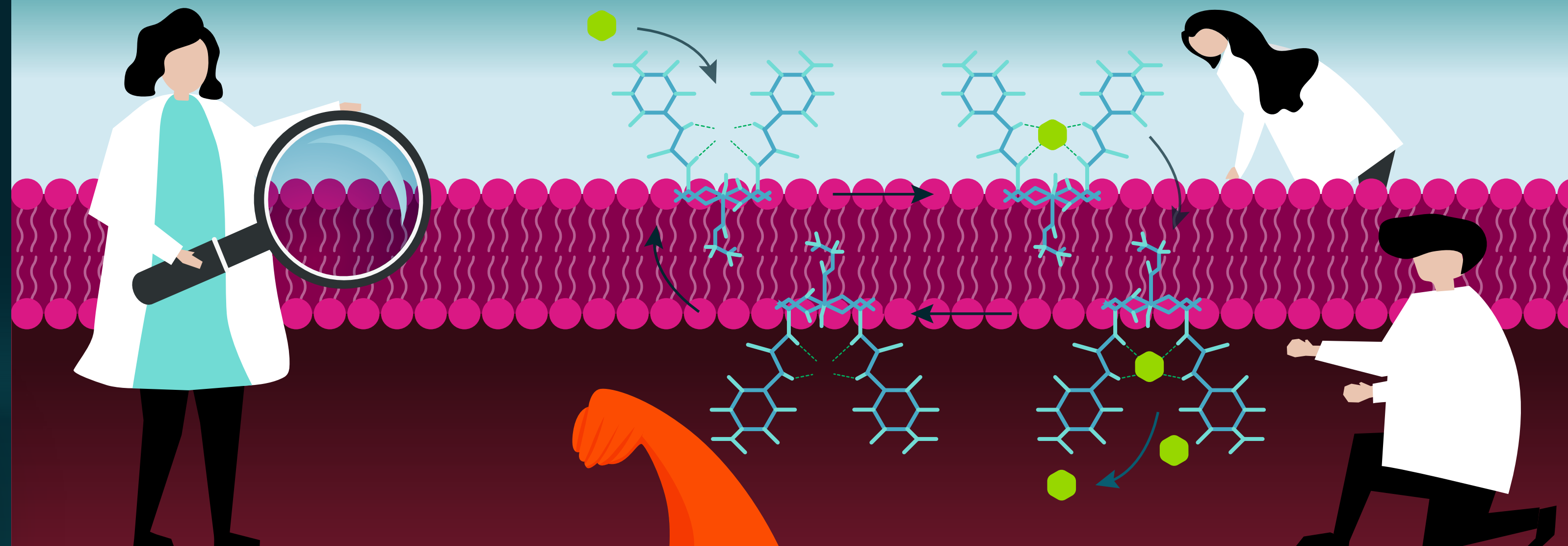


Anionophores: In Search of a General Treatment for Cystic Fibrosis

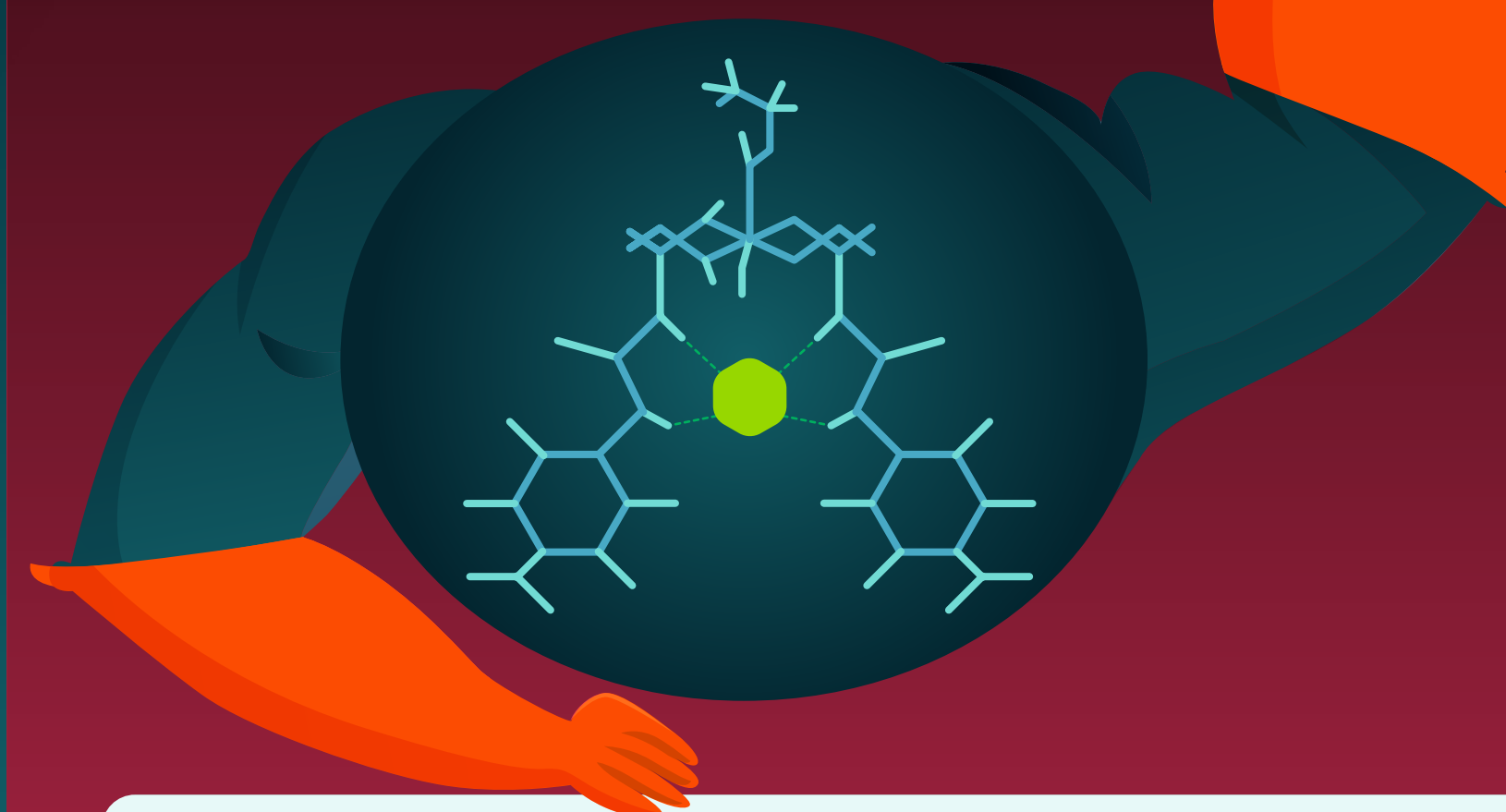
Cystic fibrosis (CF) is caused by dysfunction of anionic channels important for salt and water transport across epithelia



Molecules with tweezer-like structure transport anions through cystic fibrosis cell membranes



What was observed?



- High efficacy in combination therapy
- Cell deliverable
- Robust ion transport
- Low toxicity

By facilitating ion transport, anionophores pose as promising candidates for cystic fibrosis therapy

Can ion-carrier molecules (anionophores) that mimic the anion channel be used for CF therapy?

Chemical
Science



Anion carriers as potential treatments for cystic fibrosis: transport in cystic fibrosis cells, and additivity to channeltargeting drug
Li *et al.* (2019) | DOI: 10.1039/C9SC04242C

