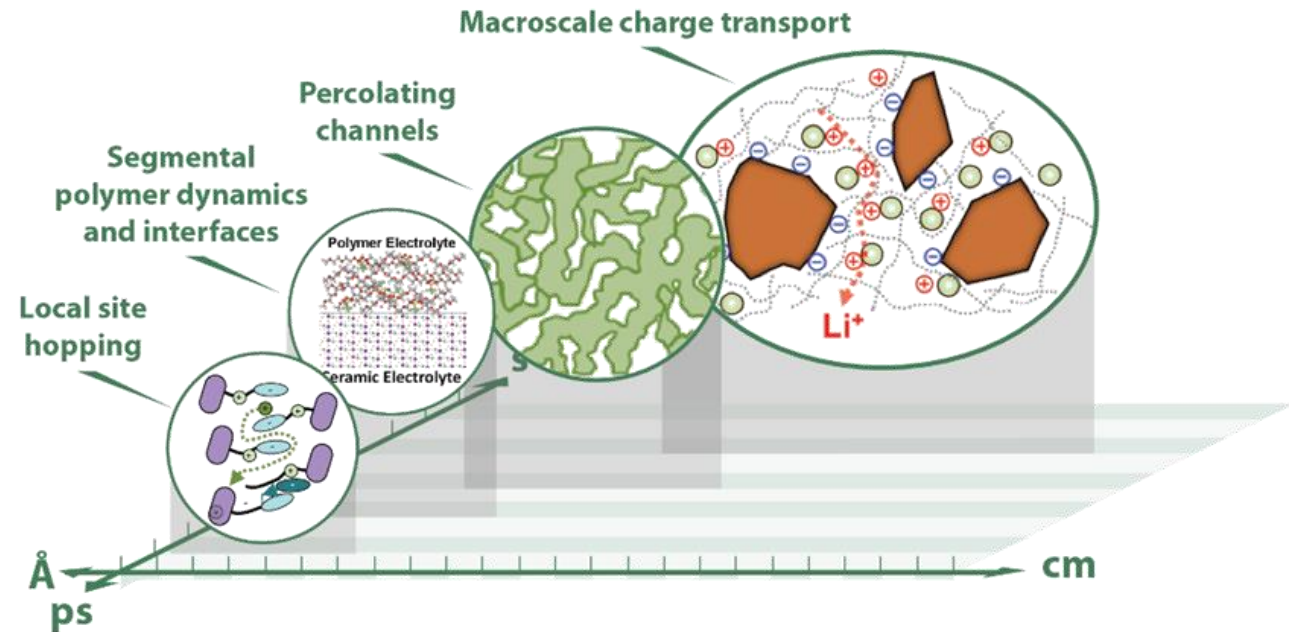


Fast and Cooperative Ion Transport in Polymer Based Materials (FaCT)

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MISSION: To understand and control fast, correlated ion and proton transport at multiple length and time scales in polymer-based electrolytes.



RESEARCH PLAN: *FaCT* seeks to examine the scientific bottlenecks limiting conductivity in polymers. The center will build a predictive, data-driven, physics-based mechanistic model of ion and proton transport in polymers and polymer-ceramic composites to enable the targeted design of next-generation energy storage and conversion materials, such as lithium ion batteries and fuel cells.

<https://fact-efrc.ornl.gov/>

