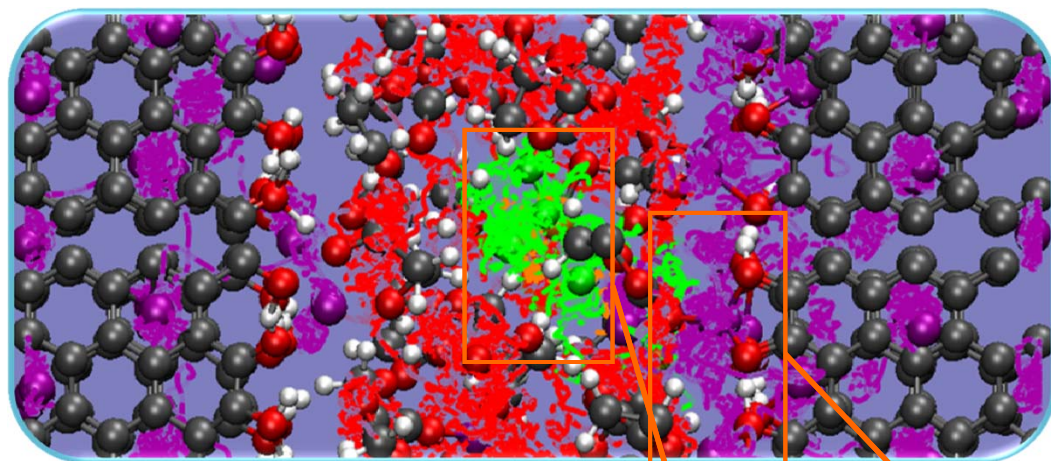


# FIRST Energy Frontier Research Center

## Fluid Interface: Reaction, Structure and Transport

- Large program. Many investigators and institutions → many aspects of fluid / solid interface.
- Carbon materials with ionic liquids, aqueous solutions, battery electrolytes
- Theory, modeling + experiment + advanced characterization

O/OH-terminated graphite and EC/LiPF<sub>6</sub> –  
**many reactions** observed



PF<sub>6</sub><sup>-</sup> salt motion  
and dissociation

SEI formation

