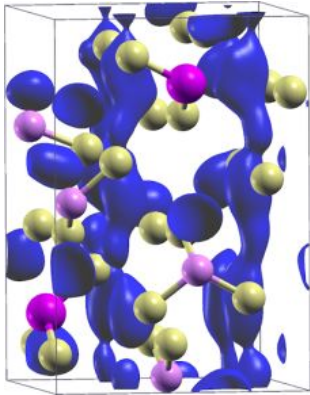


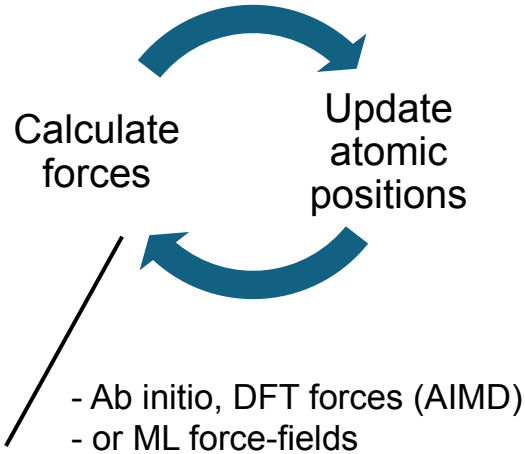
# Connecting Scales: Learning Dynamics for Efficient Ionic Conductivity Predictions with Graphs

## Why superionic solids

- Improved safety
- High gravimetric and volumetric energy densities



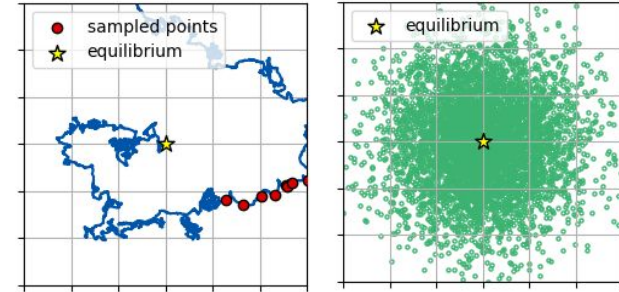
## Molecular Dynamics



It takes weeks to simulate one material with DFT on a cluster

## Alternative

- The first few steps of MD trajectory carry enough information.
- Random perturbations as the way to explore the energy landscape.



## Results

