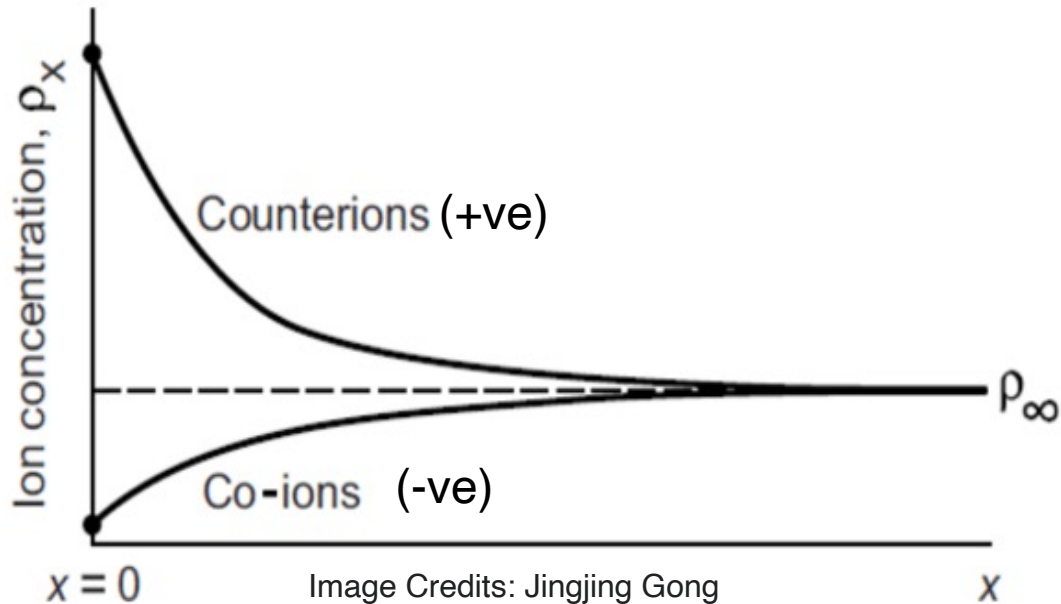
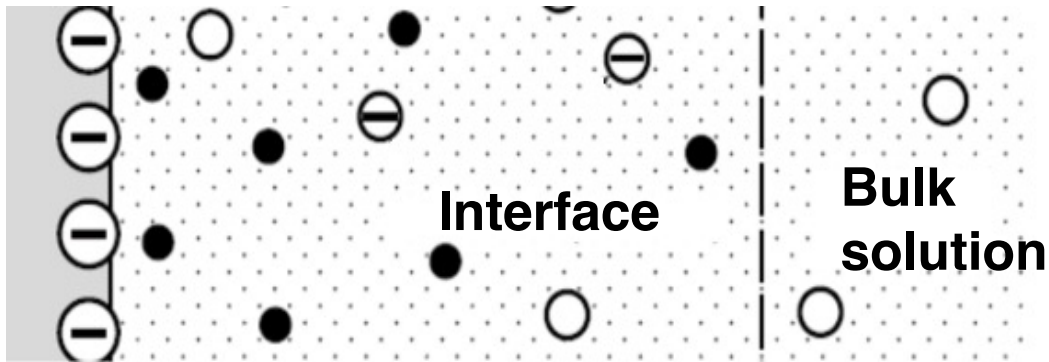


Theory for correlated electrolyte solutions at interfaces

- Nikhil R. Agrawal, Ph.D. Candidate, UC Berkeley

Electrolyte Solution near a charged surface



Spatial ion-ion correlation

$$G(\mathbf{r}', \mathbf{r}'')$$

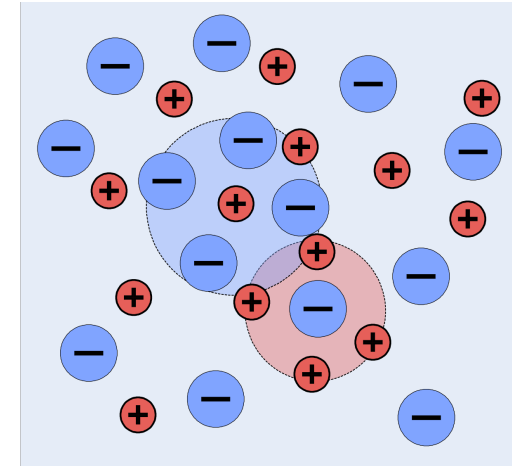


Image Credits: Roland Mattern

$$G(\mathbf{r}', \mathbf{r}'') = G_{\text{short}}(\mathbf{r}', \mathbf{r}'') + G_{\text{long}}(\mathbf{r}', \mathbf{r}'')$$

Ion-Ion correlations at
the ion-scale

Ion-Ion Correlations at
the interface-scale

