

# Why create another approach for molecular electronics?

**Molecular  
Electronics**

Classical  
potentials

**Vibrational  
Motion**

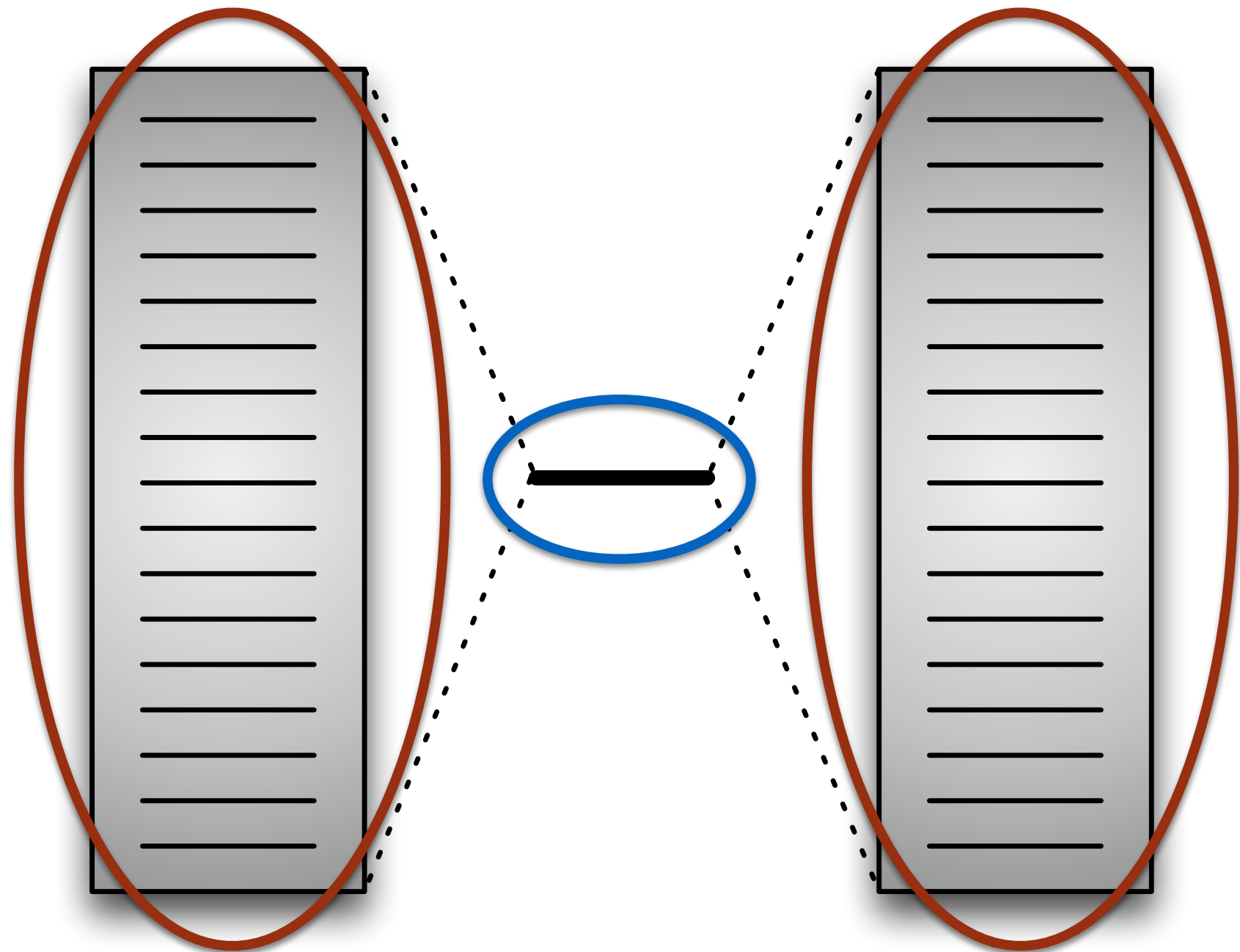
Classical  
potentials



Translate second quantization to classical motion?

***Is it even possible?***

# Landauer Model



Left electrode

Right electrode

Quantum dot  
("wire")