

Current as function of voltage for  
30-40 Å grains of Al on an oxidized Al film.

# Vibrational Effects

Overly simplistic: think of it as a “loose wire”

Real systems: current can decrease, increase, show switching

Resonance  $\Rightarrow$  exact energies matter (anharmonicity?)

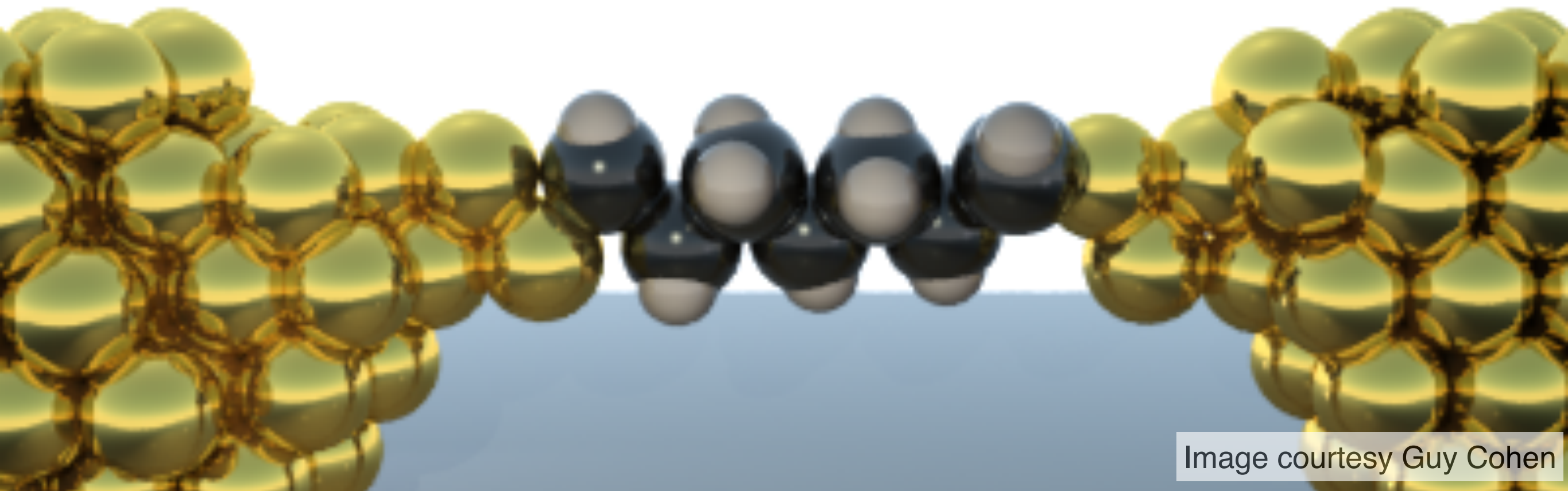


Image courtesy Guy Cohen