What is "the reductionist movement"?
What is implied by "quantitative, computer-driven approaches"?
What precisely defines "multiscale modeling"?
Key theme of paper: "Coupling between"

Note: "converts contractile forces into ventricular pumping" 
\[ \text{forces + oscillations} = \text{reliable pump!} \]
(some) key facets: regular (not arrhythmic), electrical ("excitation"), proper/optimized geometry, coupling

Key physics concept, core of Fig. 1: Electrodiffusion \[ \Rightarrow \text{will motivate towards} \]
ed of fall-term!

Importance of "calcium" movement...

How does the role of "energy" start to emerge?

1924 Nobel Prize to W. Einthoven re EK6

Key concept: "wave of electrical excitation" \[ \Rightarrow \text{what is a "wave"?} \]
Note: key role of Na⁺ and K⁺ ions, as well as "specialized ion channels"