



# University of Texas Health Science Center Houston

Peter Davies, PhD

Provost and Executive Vice President for Research  
Testimony before the Senate Committee on Health and  
Human Services

Interim Charge #11

March 10, 2011



# Stem Cell Research at UTHealth

- Basic, translational and clinical stem cell research.
- Novel therapies designed to:
  - generate heart cells for repair from heart failure, myocardial infarction and aortic aneurysms;
  - generate lung cells for lung repair from diseases such as respiratory distress syndrome, emphysema and genetic defects such as cystic fibrosis and surfactant protein deficiency;
  - repair traumatic brain injuries especially for wounded soldiers and children;
  - repair the brain from stroke or other injuries in the neurological system;
  - grow new bone;
  - regenerate teeth;
  - and staunch the spread of cancer cells.