Imagine if... 

- A simple blood test could detect the early stages of cancer and point to the best treatment
- A replacement heart valve could be made with human tissue and last a lifetime

Presentation to the Engineering Advisory Council on 10/19/07 by Robert H. Davis, Dean, College of Engineering & Applied Science University of Colorado at Boulder
Imagine if...  

• **Vaccines** against infectious diseases and bioterror threats could be developed in a **stable form** for worldwide use  

• **We had renewable energy** sources that are **stable, safe, inexpensive and environmentally friendly**
CU is ideally positioned to answer these global challenges with a unique combination of attributes:

- Discovery of catalytic RNA and a method to screen DNA/RNA libraries
- Creation of bio-active/degradable polymer scaffolds for regenerative tissue engineering
- Development of freeze-dried, inhalable vaccines that remain stable at high temperatures
- Formation of the Center for Biorefining & Biofuels (C2B2)
Colorado Initiative in Molecular Biotechnology

- Partnership of life scientists, engineers and practitioners to solve complex problems with “benchtop-to-bedside” or systems approach.

Transformational discoveries for life
University of Colorado at Boulder