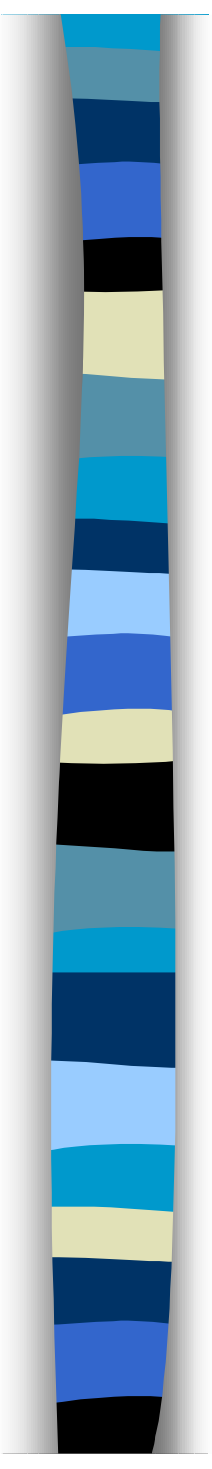


20th Century

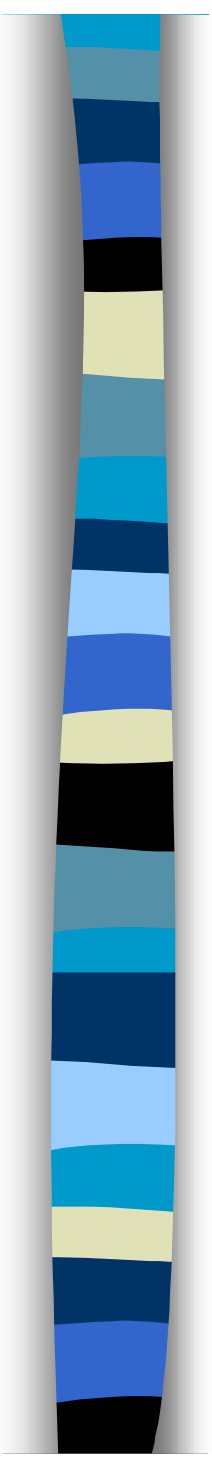
- Relativity
- Quantum Theory
- Nuclear Physics
- Space Physics
- 1955 - Double Helix



21st Century

■ Life Sciences

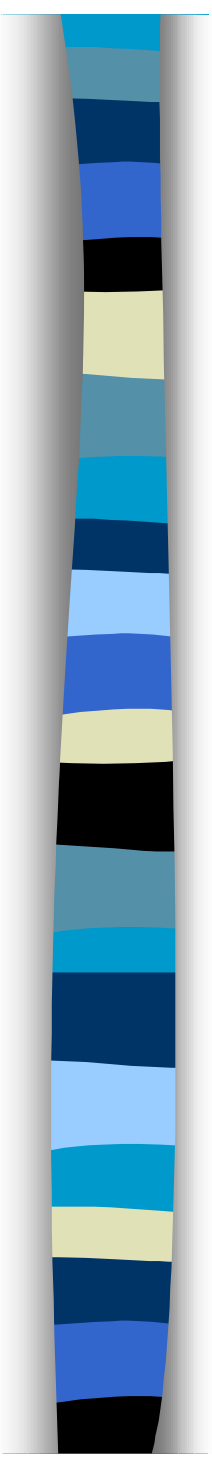
- Biomedicine
- Agriculture
- Environment
- Chemistry
- Pharmaceuticals / Biologics
- Social / Behavioral Sciences



Information Science /Computing/ Informatics

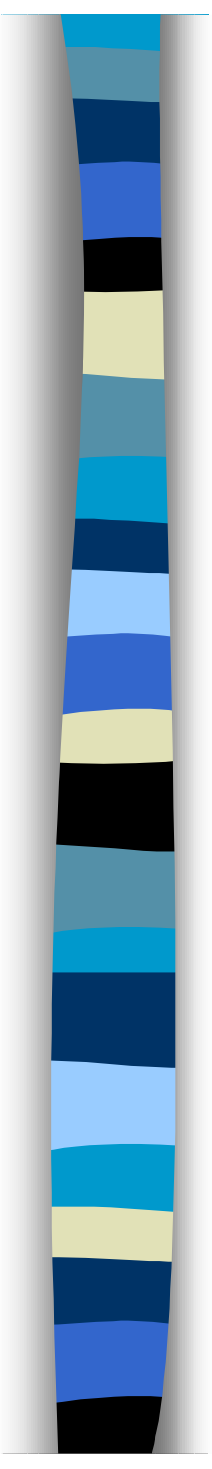
Health Services Research

- Quality
- Safety
- Value



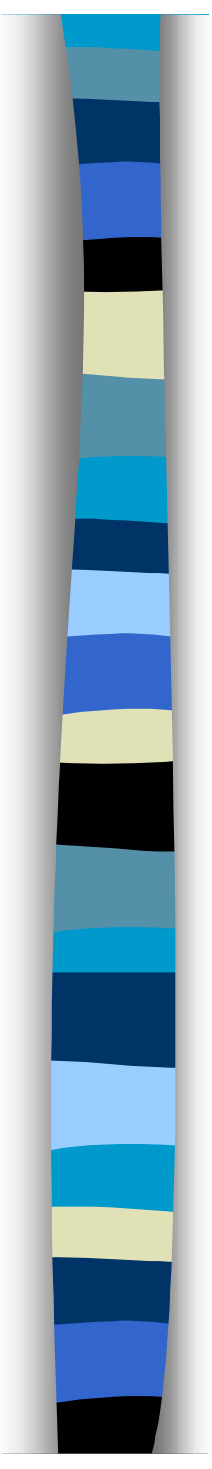
Translational Research

- Physician Scientists
- PhD / Clinical Background
- Reynolds Centers
- Clinical Research



Areas Developing

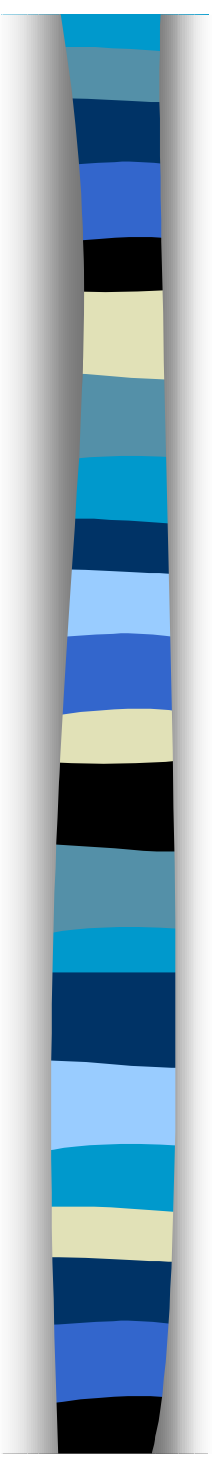
- Virtual Reality - surgery / consultation
- Robotics
- Nanotechnology
- Minimal Invasive Procedures
- Vaccines - new / old uses
- Neurosciences



Genes to Genomics

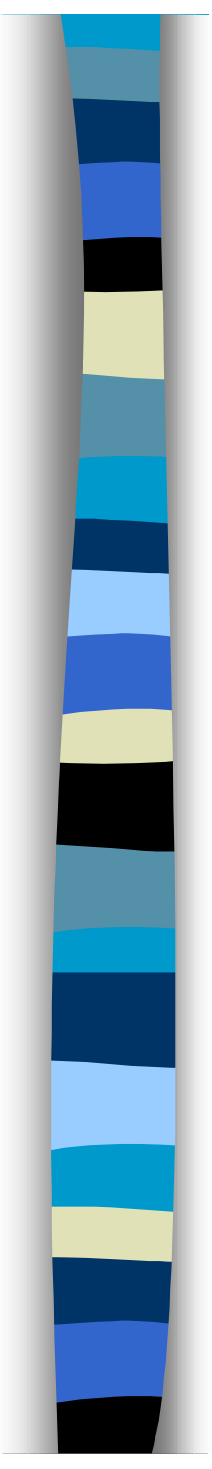
Reductionism ↔ Integration

- Gene Function
- Protein Structure
- Structure / Function
- Genomic Therapeutics
- Gene Therapy



Interfaces

- Biology / Engineering / Medicine
- Mathematics / Biology / Epidemiology
- Social / Behavioral Sciences / Ethics



Research Support

- NIH
- CDC
- AHRQ
- DOD
- DOE



Function

Target

