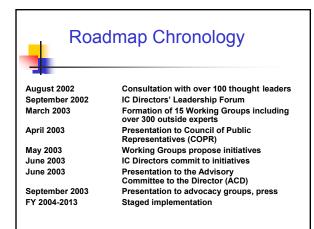




- Accelerated pace of discoveries in the life sciences
- Need for their more rapid translation into practice
- Opportunities to build an integrated system that is far more effective than current approaches



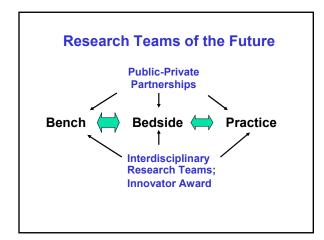
Criteria for Roadmap Initiatives

- Is it 'transforming' -- will it change how or what biomedical research is conducted in the next decades?
- Would its outcome enhance the ability of all ICs to achieve their own missions?
- Can the NIH afford to <u>NOT</u> attempt it?
- Will it be compelling to our stakeholders, especially the public?
- Is it something that no other entity can or will do?



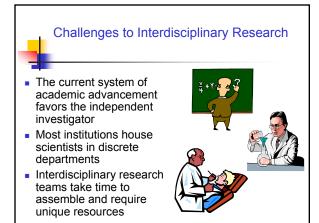








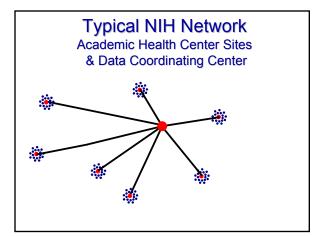




NIH Director's Innovator Award

- New program to support individuals with untested ideas that are potentially groundbreaking
- Encourages innovation, risk-taking
- Totally new application and peer review process
- Provides \$500 K/year for 5 years
- Expected to be highly competitive





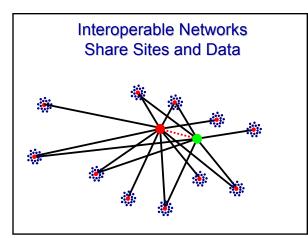


Integration of Clinical **Research Networks**

- Link existing networks so clinical studies and trials can be conducted more effectively
- Ensure that patients, physicians, and scientists form true "Communities of Research"

research topics.

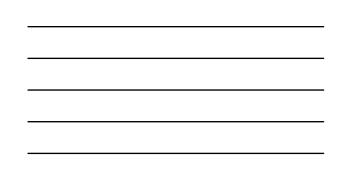


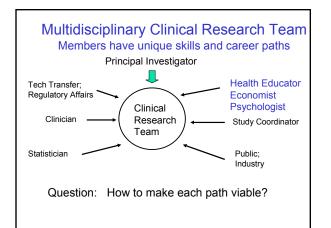


Integration of Clinical **Research Networks** Create interoperable 'Network of Networks'

- National Electronic Clinical Trials/Research Network (NECTAR)
- Common data standards, informatics
- Software application tools for protocol preparation, IRB management, adverse event reports
- Use existing networks to rapidly address questions beyond their traditional scope









Trans-NIH Multidisciplinary K12 Career Development Program (RFA)	
Goal:	 Promote development of investigators from a variety of disciplines (MD, PhD, RN, MPH, DC) To be trained in multidisciplinary team settings
Features:	 Up to 5 years of training Core didactic courses, project-specific training Mentored research experience in team settings Faculty and mentor support to protect their time Tuition support Annual meetings Translational studies possible



Harmonization of Clinical Research Regulatory Processes

Goal: Harmonize and simplify requirements for clinical research in ways that enhance public trust

- Adverse event reporting
- Human subjects protection
 - DSMB-IRB interactions
 - Consent procedures
- Auditing and monitoring clinical trials
- HIPAA, privacy, conflict of interest policies
- Investigator registration, financial disclosure
- Standards for electronic data submission/reporting



Roadmap and Translational Research

- One of the key goals of the Roadmap is to strengthen all types of clinical research
- Translational research includes from the bedside to practice and the community
- Strengthening the infrastructure of the clinicial networks should provide greater capability for translational research

