



National Center for  
Research Resources

NATIONAL INSTITUTES OF HEALTH

*Accelerating and enhancing research from basic discovery to improved patient care*

# **NCCR Director's Update: Forming a Matrix of Opportunities Across the Nation**

June 6, 2008

NIH Advisory Committee to the Director

**Barbara Alving, M.D., M.A.C.P.**

Director

National Center for Research Resources



# National Center for Research Resources

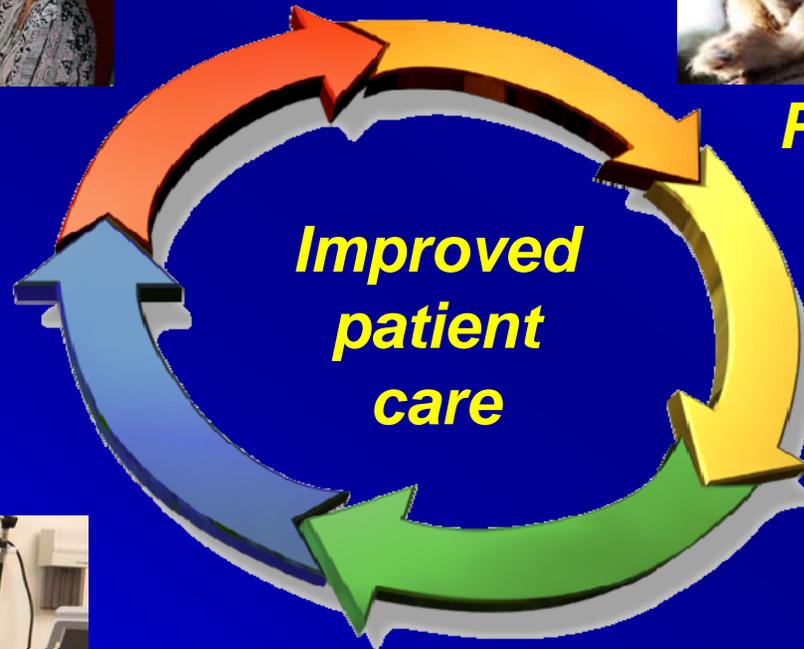
Accelerating research from basic discovery to improved patient care

community engagement

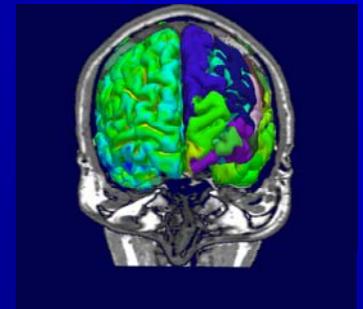


animal model resources

**Community**



**Pre-clinical**



imaging & informatics advances



clinical research support

**Clinical**

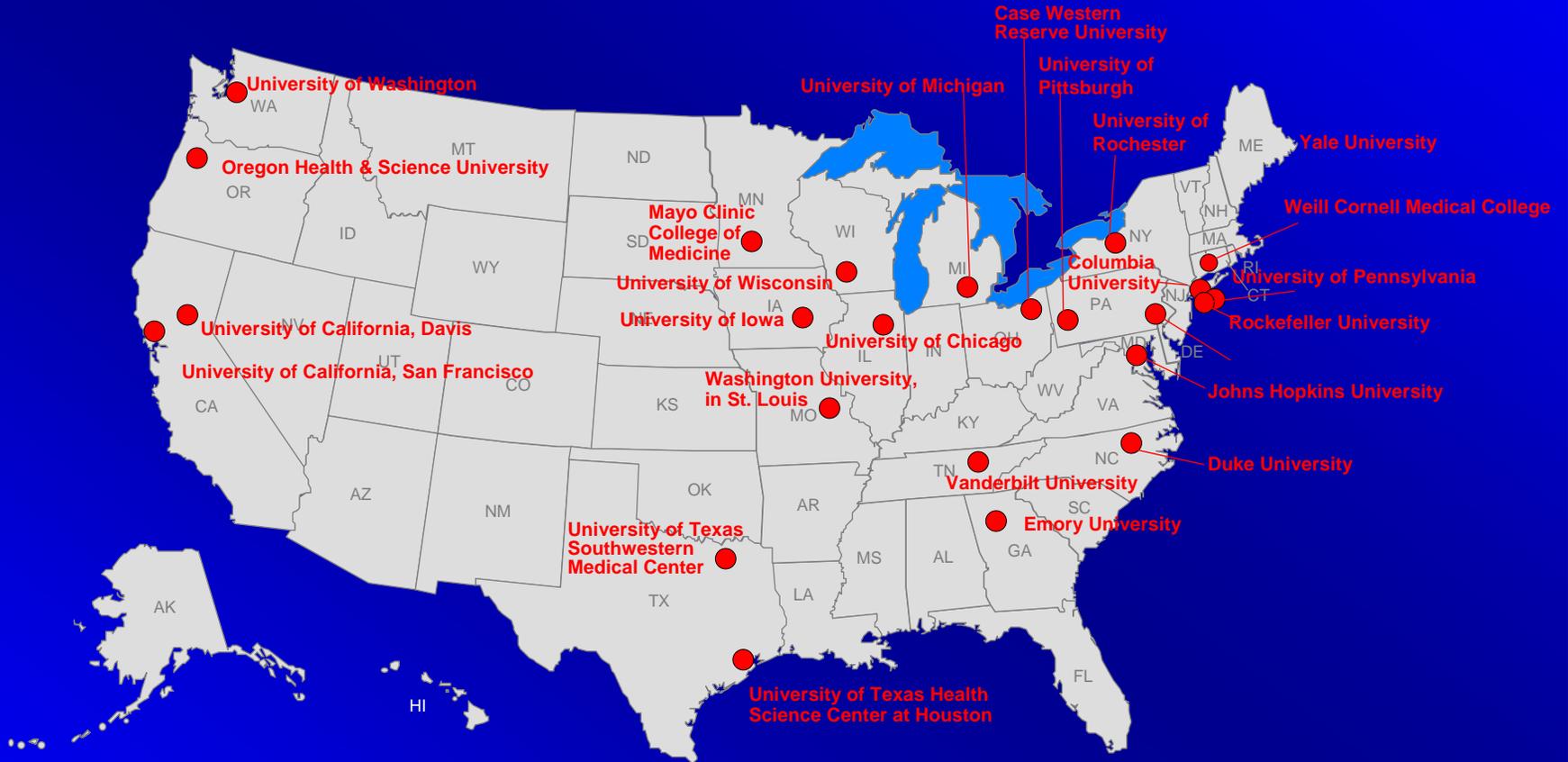
# Clinical and Translational Science Awards (CTSA)

- ❑ Improve clinical research management through: informatics, communication with potential participants; development of IRB reciprocity
- ❑ Assemble interdisciplinary teams to extend basic research to the preclinical and clinical domains
- ❑ Train the next generations of clinical and translational scientists
- ❑ Forge partnerships with private and public health care organizations



# CTSAs — Building a National Consortium

24 CTSAs in 2006 & 2007

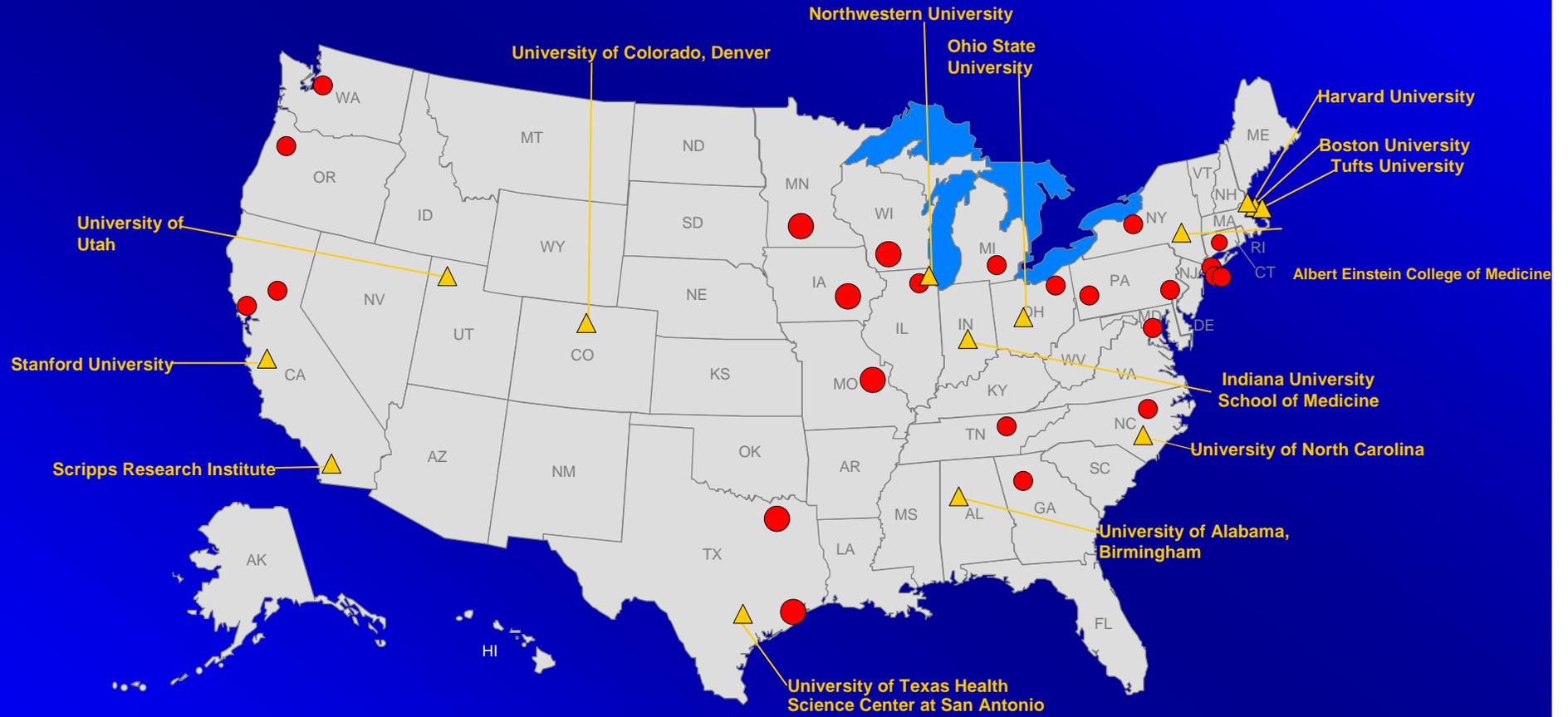


## Participating Institutions

● Members 2006 & 2007

# CTSAs – 2008 Awardees

## 14 New CTSAs in 2008

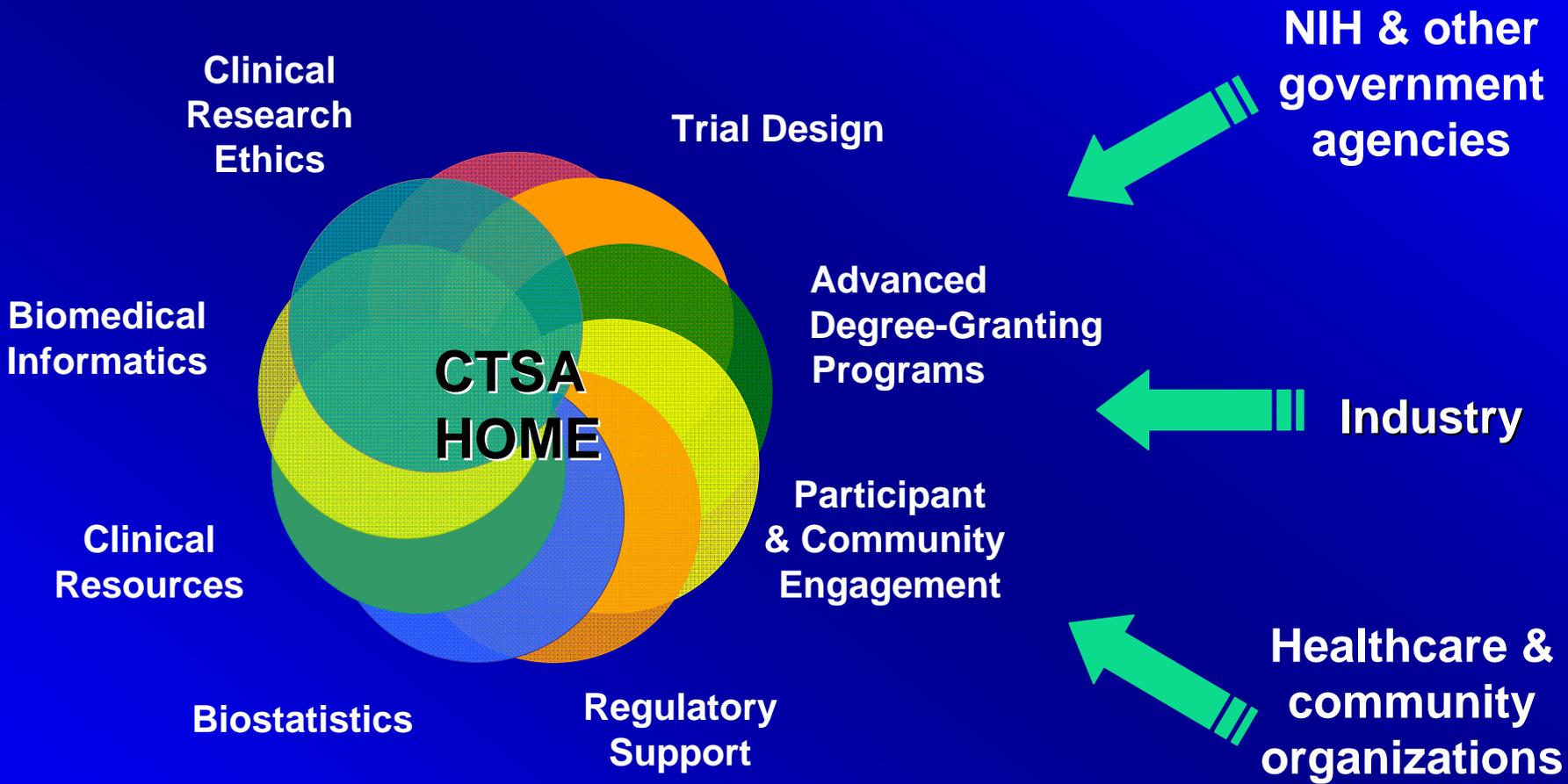


### Participating Institutions

● Members 2006 & 2007

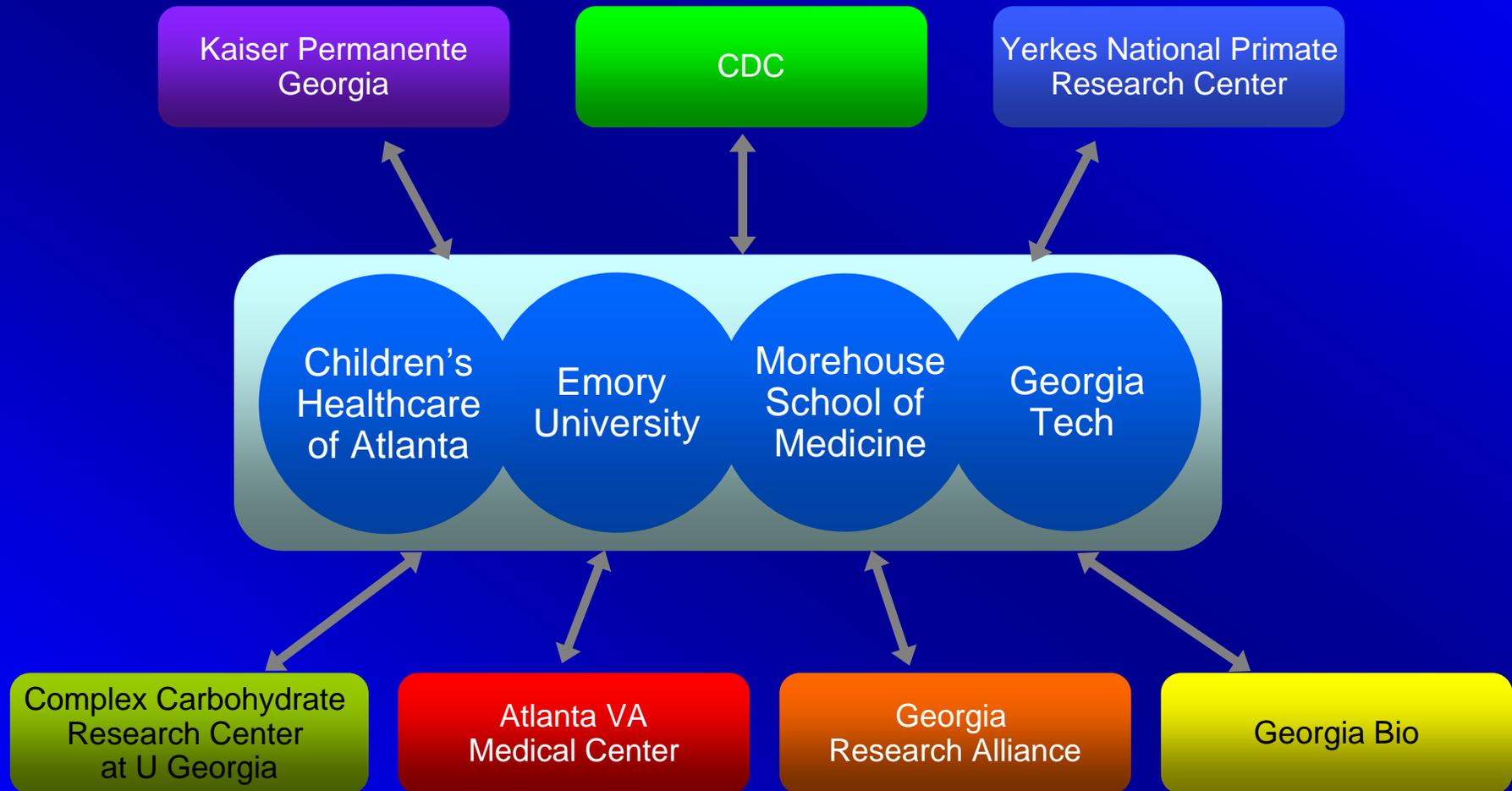
▲ New Members 2008

# Clinical and Translational Science Award (CTSA)



*Each CTSA academic health center will create a home for clinical and translational science*

# Atlanta Clinical and Translational Science Institute (Atlanta-CTSI) at Emory University



# CTSA Consortium – Building Partnerships

- ❑ Food and Drug Administration (FDA)
- ❑ Centers for Medicare and Medicaid Services (CMS)
- ❑ Department of Veterans Affairs
- ❑ Public and Private Partnerships  
(developing better approaches for IP,  
cofunding large initiatives through the  
Foundation for the NIH)



Pharma

## Examples of CTSA Activities

### Duke University

- ❑ Translate bench-bedside findings to populations using advanced informatics and health services delivery methods

### University of California, San Francisco

- ❑ Pursue new opportunities with the San Francisco VA and Kaiser Permanente
- ❑ Create new community research centers to expand efforts in minority and medically underserved populations

### Oregon Health Sciences University

- ❑ Developing informatics capabilities to partner with Kaiser Permanente NW Center for Health Research, Oregon Rural Practice Research Network, Portland VA Medical Center for intervention research

# Opportunities for Best Practices

## CTSA Examples

### Rockefeller University

- ❑ Establish national research nursing standards
- ❑ Share research pharmacy best practices
- ❑ Collaborate with NIH Clinical Center to measure the experience of clinical research participants

### University of Pennsylvania

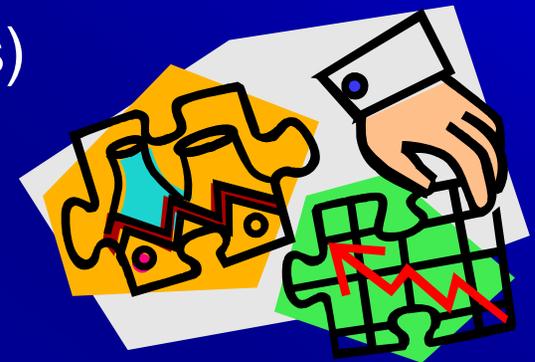
- ❑ Involve industry scientists in teaching and in training
- ❑ Bridge the pediatric/adult interface

### University of California, Davis

- ❑ Partner with schools of veterinary medicine, biological sciences, engineering, environmental sciences, and the state health care system in cross-disciplinary efforts
- ❑ Provide clinical consultations through novel telecommunications

## CTSA Consortium - Challenges

- ❑ Create interoperable informatics
- ❑ Develop new generations of investigators with degrees in clinical and translational science
- ❑ Improve IRB functions with respect to ensuring participant safety and access to clinical trials in a cost and time efficient manner (examples of success at Vanderbilt through web-based programs)



## Examples of caBIG Activities at CTSA Institutions

### Mayo Clinic and University of Pennsylvania

- ❑ Involved in caBIG architecture, data sharing and intellectual capital, strategic planning, tissue banks and pathology tools, and training

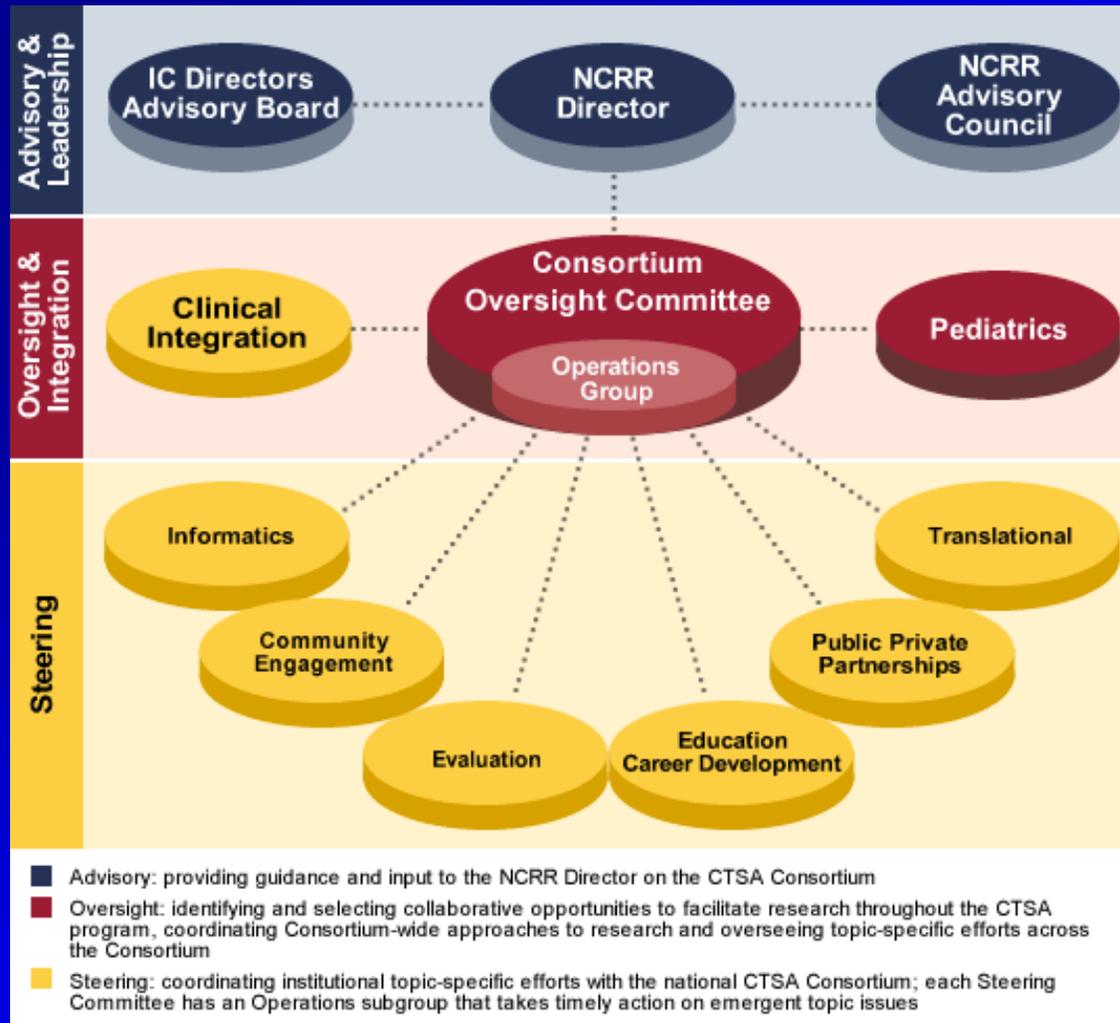
### University of Pennsylvania

- ❑ Involved in caBIG imaging initiative and clinical trial management systems

### Mayo Clinic

- ❑ Involved in caBIG vocabularies and common data elements

# Consortium Governance and Organization



Governance Manual available at:

[http://www.ctsaweb.org/Docs/CTSA\\_Governance\\_Manual.pdf](http://www.ctsaweb.org/Docs/CTSA_Governance_Manual.pdf)

# CTSA – Opportunities for Collaborations West Coast Alliance

Initial meeting planned by Oregon Health and Science University and University of California, Davis

- ❑ 56 representatives from all four west coast CTSA institutions
- ❑ Opportunities to collaborate and share strengths
- ❑ Focus on building investigator and scientific collaborations—opportunities across centers



# Connecting Resources through the CTSA Consortium

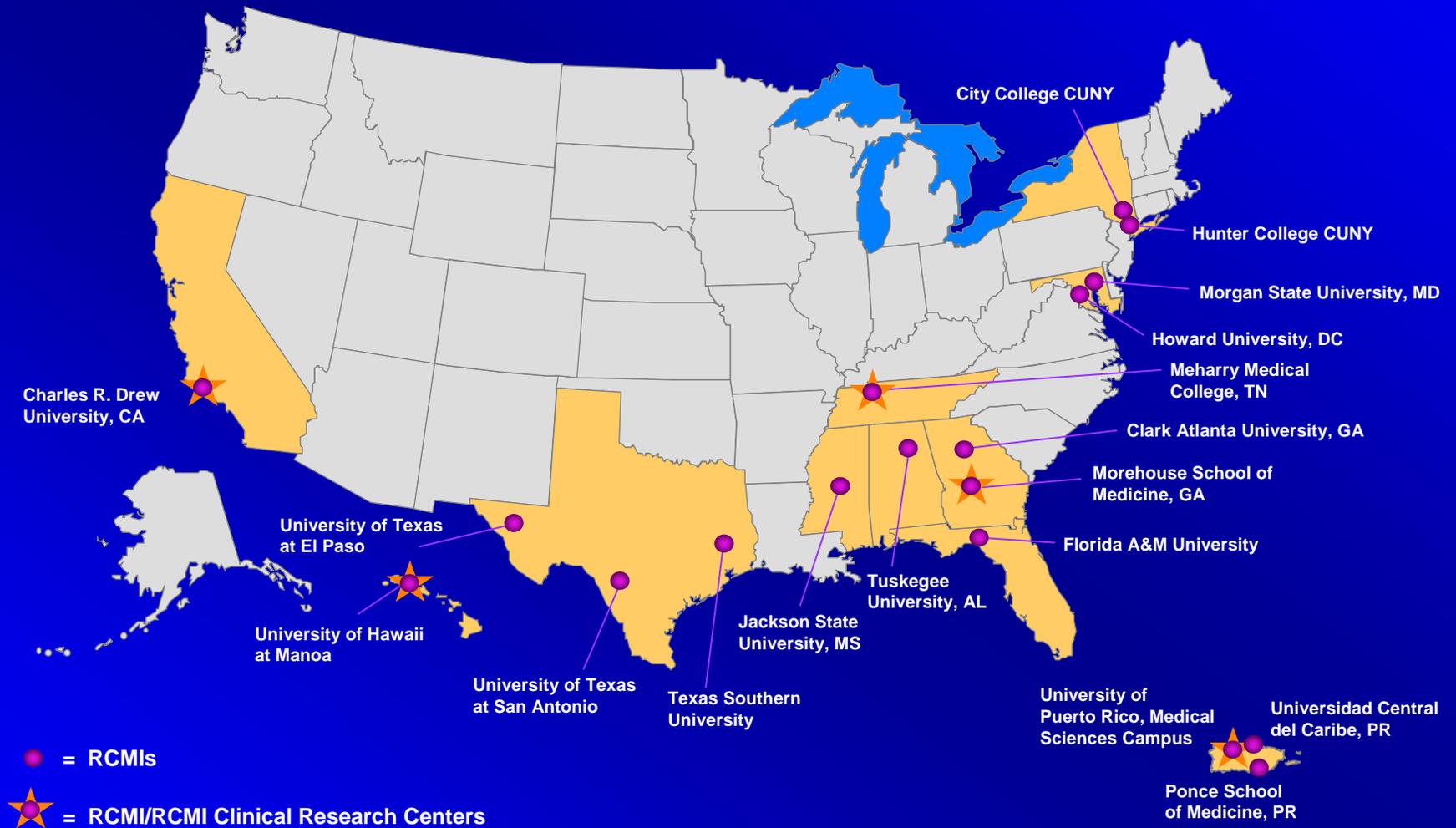
Opportunities to collaborate with:

- ❑ National Primate Research Centers
- ❑ Private and public organizations
- ❑ Underserved populations through Institutional Development Award (IDeA) States
- ❑ Research Centers in Minority Institutions
- ❑ National Cancer Institute - Cancer Centers



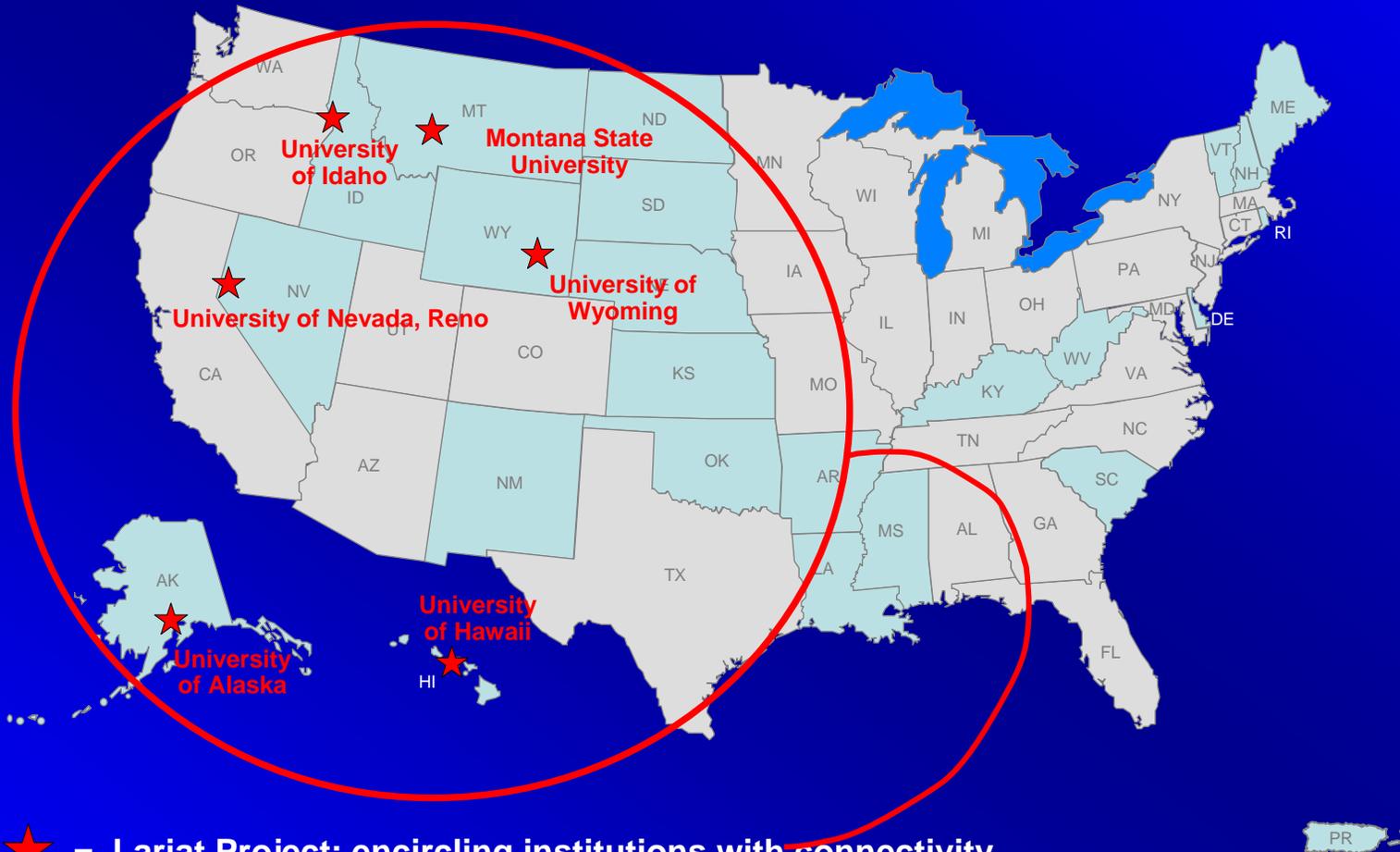
# Research Centers in Minority Institutions (RCMIs)

## 18 Centers in 10 states, the District of Columbia, and Puerto Rico



# Institutional Development Award (IDeA)

Increasing research capacity in 23 underserved states and Puerto Rico

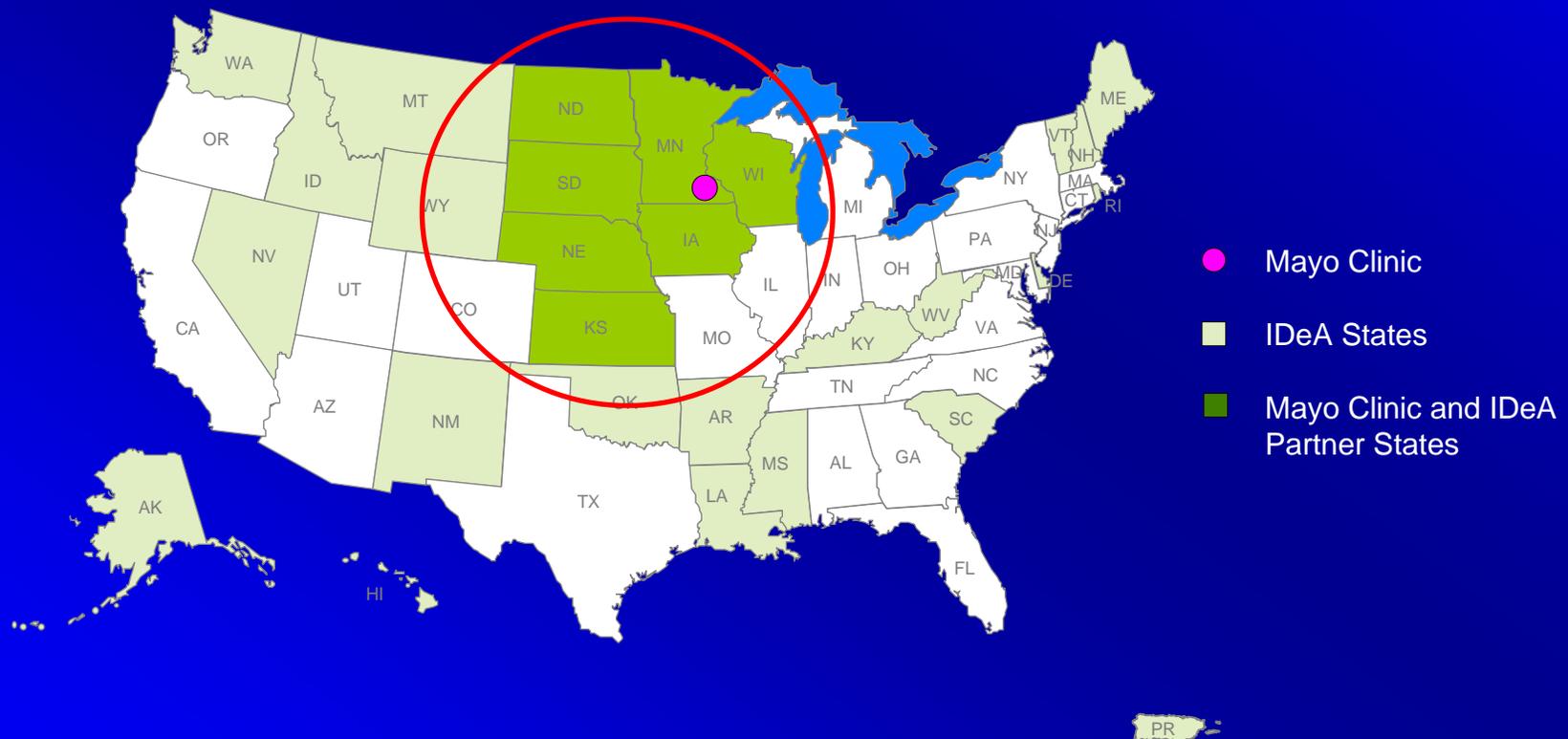


★ = Lariat Project: encircling institutions with connectivity

■ = IDeA-eligible states

# CTSA and IDeA Collaborations at the Upper Midwest Consortium Meeting – June 16-17, 2008

- ❑ Mayo Clinic will sponsor the meeting: “Building Inter-Institutional Collaborations for Clinical and Translational Education and Research”
- ❑ Participants include the institutions of University of Kansas, Nebraska, Iowa, Wisconsin, Minnesota, North and South Dakota



## The Future

- ❑ The CTSA consortium offers an unparalleled opportunity to disseminate standards and best practices that will guide both translational and clinical research and health care delivery
- ❑ New generations of investigators will be trained to work in interdisciplinary teams utilizing and developing new tools, concepts and treatments to improve human health
- ❑ The success of the CTSA consortium will be measured in part by the acceptance of its standards
- ❑ CTSAs will partner with geographically and ethnically diverse institutions that broaden their impact
- ❑ The ultimate goal: continuous improvement in the health of populations and individuals throughout the nation