



National Center for
Research Resources

NATIONAL INSTITUTES OF HEALTH

Accelerating and enhancing research from basic discovery to improved patient care

NCCR Overview & IDeA Program Update

2009 Southeast IDeA Regional Meeting

November 9-11, 2009
Charleston, South Carolina

Michael H. Sayre, Ph.D.
Division of Research Infrastructure
National Center for Research Resources
National Institutes of Health
U.S. Department of Health and Human Services



NCRR's Mission

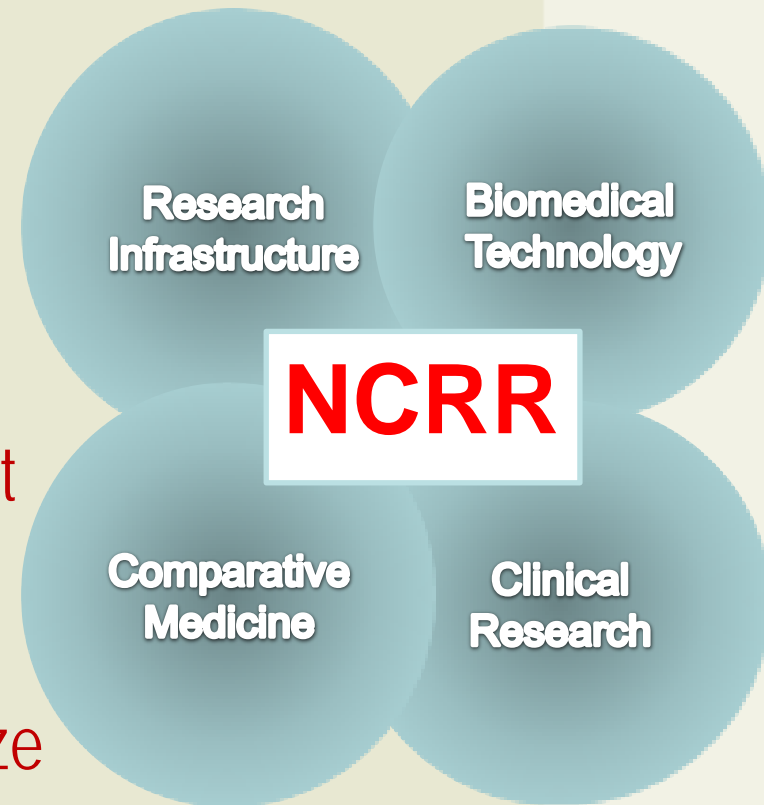
http://www.ncrr.nih.gov/about_us/mission_statement.asp

- Provide laboratory scientists and clinical researchers with tools and training they need to understand, detect, treat and prevent a wide range of diseases
- Enable discoveries made at the molecular and cellular levels to move to animal studies, then to clinical research, ultimately leading to improved patient care
- Support all aspects of clinical and translational research, connecting researchers, patients and communities across the nation

NCRR 2009-2013 Strategic Plan: Six Approaches

http://www.ncrr.nih.gov/strategic_plan/

1. Building U.S. capacity to translate biomedical research into practice
2. Animal models to advance translational research
3. New technologies to advance translational research
4. Informatics approaches to support research and collaboration
5. Building the research workforce
6. Fostering partnerships to maximize research investments

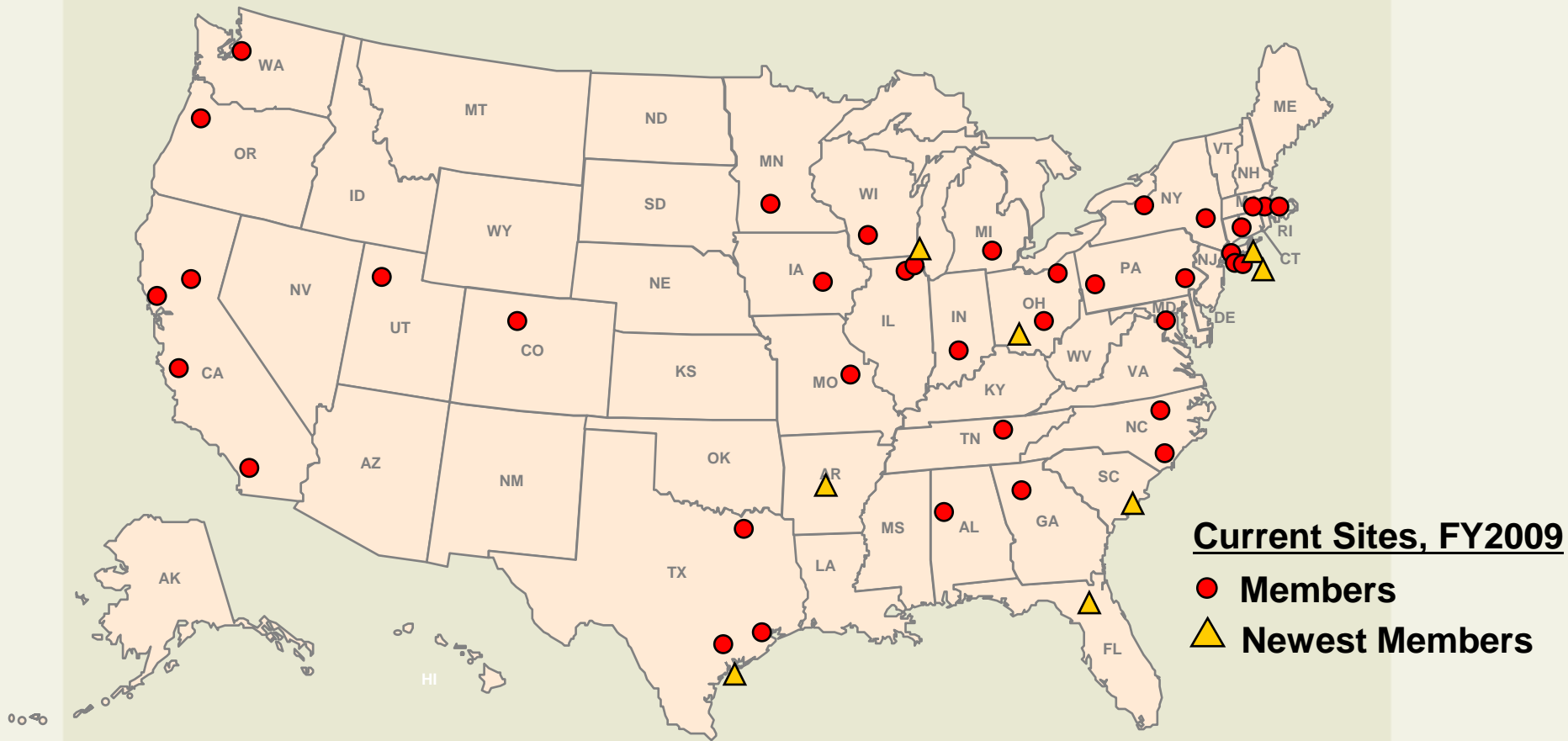


Clinical and Translational Science Awards (CTSA)

- Establish “academic home” to advance the discipline of clinical and translational science
- Better integrate resources and training for clinical and translational research
 - *Regulatory knowledge, informatics, etc.*
- Overcome impediments to broad participation in clinical and translational research
- Foster research collaborations between academic investigators, community clinicians and community-based organizations

CTSA Program: Building a National Consortium

Currently 46 CTSA Sites Across the Country



Division of Research Infrastructure

Broadening Participation in Biomedical Research



Division of Research Infrastructure

- Enhancing research capacity and the competitiveness of investigators in minority-serving & developing institutions
- Funding to build, expand, remodel, and renovate research facilities



Building Critical Resources
for Health and Economic Gain

Research Facilities Improvement Program (C06) Animal Facilities Improvement Program (G20)

C06

Construction of new facilities; additions to existing buildings; completion of “shell” space; alteration and renovation

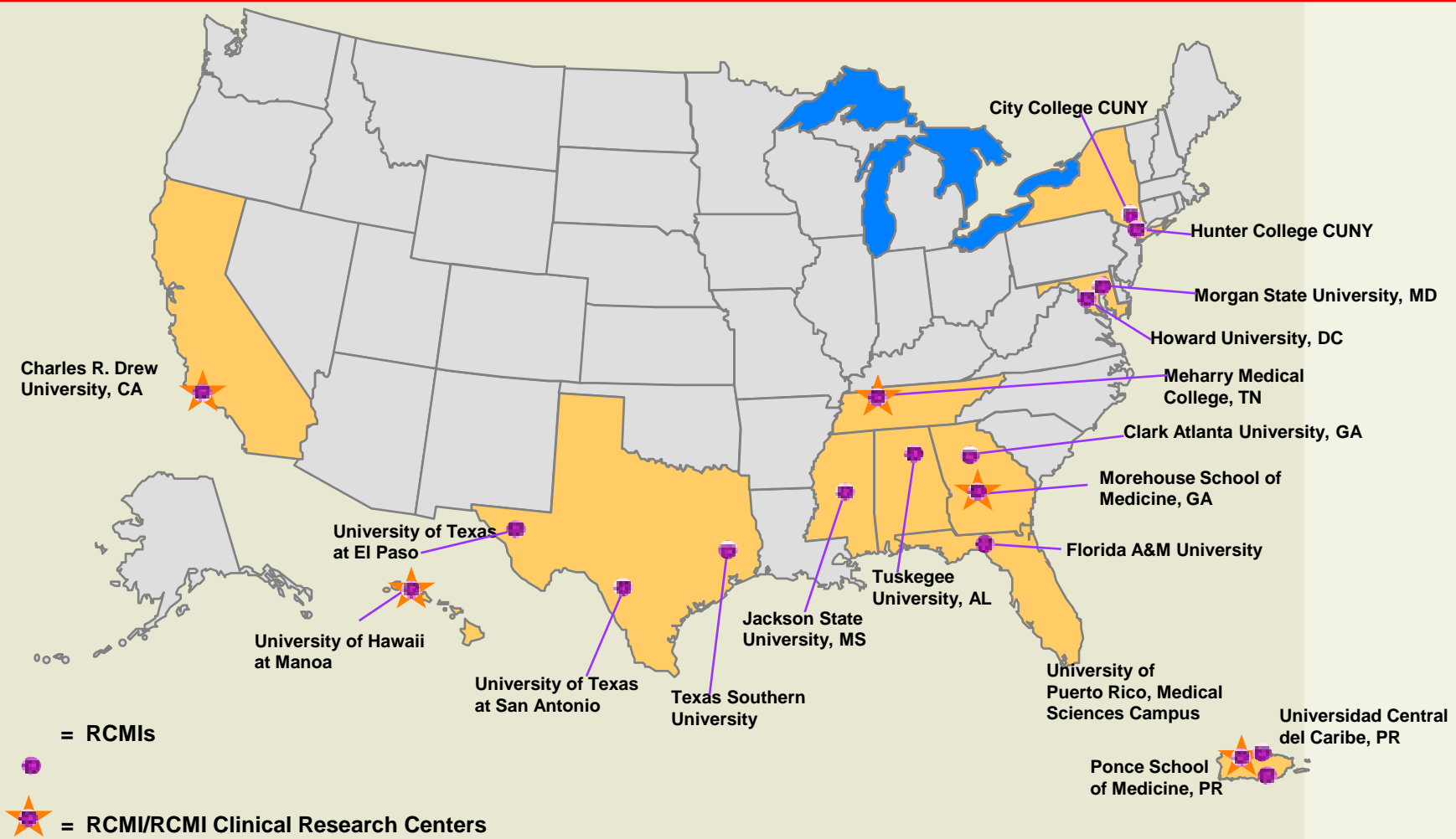
G20

Alteration, renovation and fixed equipment to improve laboratory animal facilities and animal research resources

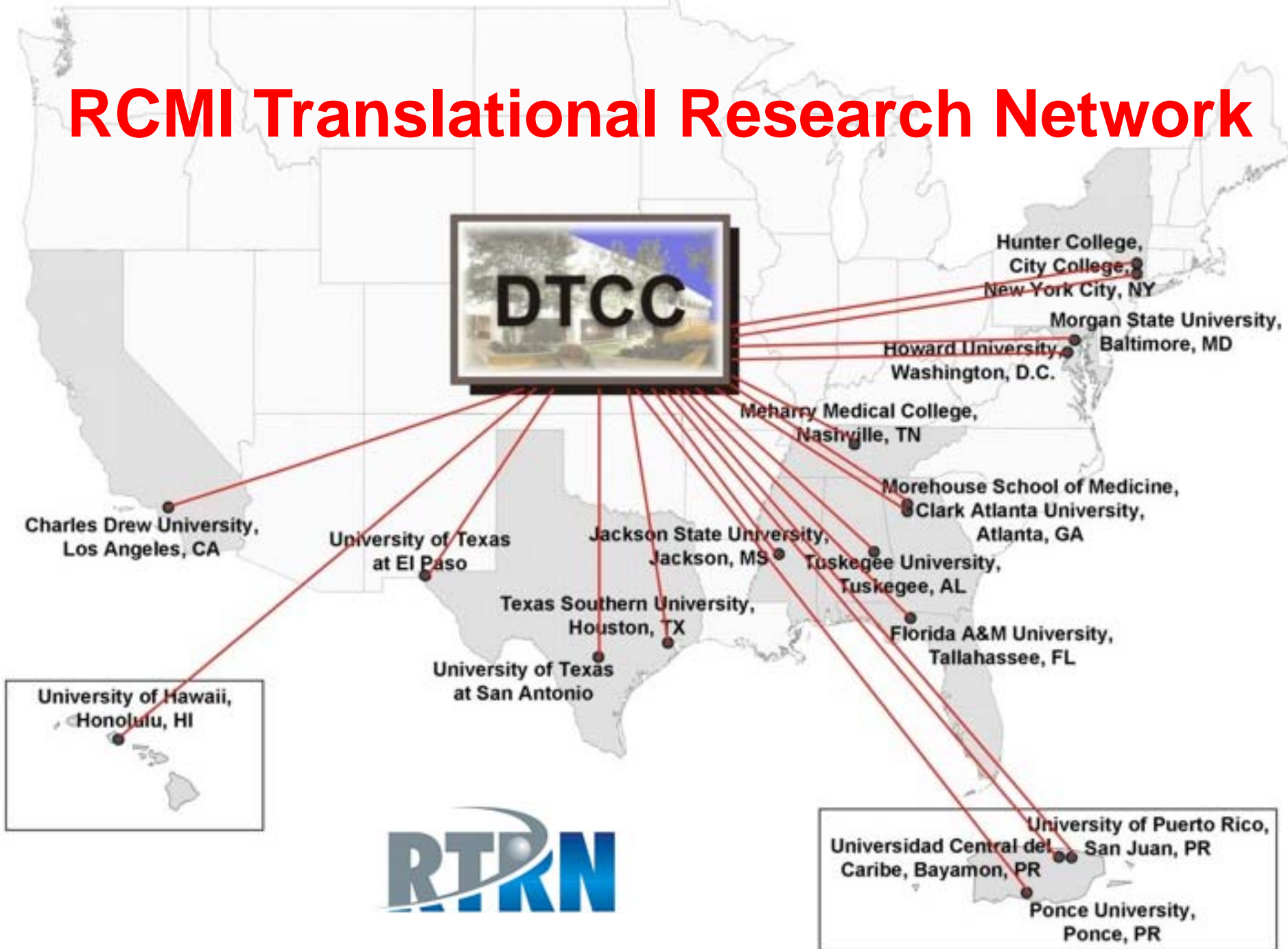
Contact: Willie D. McCullough, Ph.D. McCulloW@mail.nih.gov
Esmail Torkashvan, P.E. Torkashv@mail.nih.gov

Research Centers in Minority Institutions (RCMI)

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



RCMI Translational Research Network





DTCC Resources

- **Computational resources and informatics tools**
 - Secure portal to network database servers, web applications, wikis, listservs, webinars, etc.
 - Oracle Clinical software for FDA-regulated clinical trials, REDCap EDC system for smaller studies
- **Ongoing projects & opportunities for collaboration**
 - RCMI and IDeA centers and networks
 - CTSAs, BIRN, caBIG, Roadmap NCBCs, HealthGrid
 - ARRA U24 Project- Enabling Resource Discovery

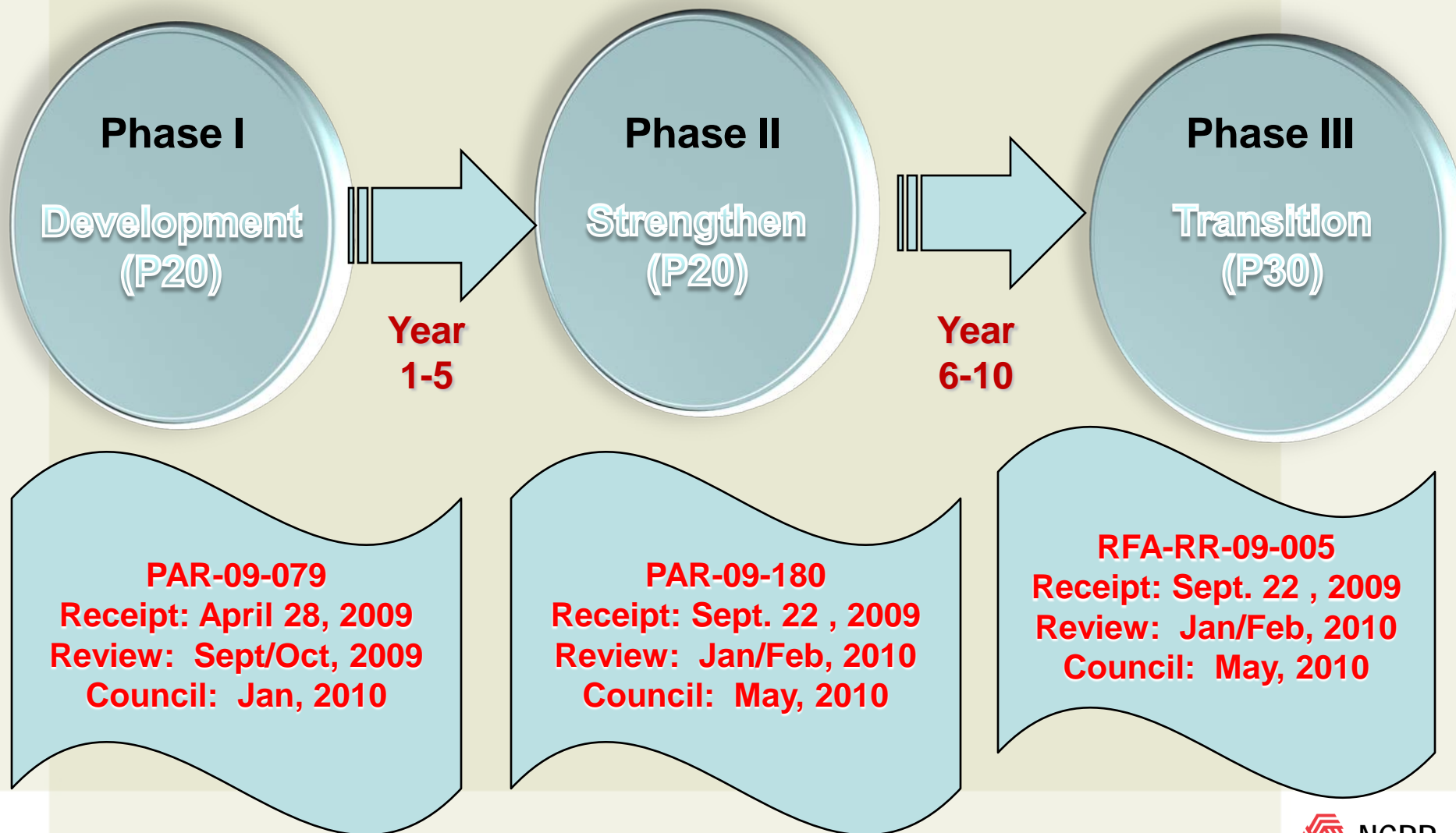
Institutional Development Award Program (IDeA)

- Authorized by Congress, 1993 NIH Revitalization Act
- Intent to enhance geographical distribution of NIH research funds and increase research capacity in 23 eligible states and Puerto Rico
- Similar to NSF Experimental Program to Stimulate Competitiveness in Research (EPSCoR, est. 1980)
- EPSCoR-like programs across 7 federal agencies: NIH, NSF, USDA, NASA, DOE, DOD, EPA
- Contact: W. Fred Taylor, Ph.D.
TaylorWF@mail.nih.gov

IDeA Program – Building research capacity

- **Faculty development**
 - Faculty recruitment and start-up
 - Funding and release time for research projects
 - Mentoring to become successful independent investigators
- **Enhancement of research facilities**
 - Core laboratories
 - State-of-the-art equipment
- **Research education and training**
 - Graduate students, postdoctoral fellows, research staff
 - Undergraduate students and faculty

Centers of Biomedical Research Excellence (COBRE)



IDeA Networks of Biomedical Research Excellence (INBRE)

- **Statewide multidisciplinary research networks**
 - Doctoral degree-granting research universities
 - Primarily undergraduate institutions
 - Community colleges, tribal colleges, high schools
- **Research support for faculty, fellows, and students at undergraduate institutions**
- **Bioinformatics tools, training, and expertise for researchers and students across the network**

IDeANet

http://www.ncrr.nih.gov/resinfra/ri_idap.asp#IDeANet

Advanced cyberinfrastructure for biomedical & behavioral research

- Regional approach to relieve strategic bottlenecks in connectivity throughout participating states
- Access to national high-speed computer networks for data-intensive science applications
- computer hardware and software
- staff in bioinformatics cores & data centers

Contact: Michael H. Sayre, Ph.D.
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Louisiana is fast becoming a leader in the knowledge economy. Through LONI, researchers have access to one of the most advanced optical networks in the country, along with the most powerful supercomputing resources available to any academic community.

NEWS

- [LONI to Welcome First TeraGrid Users](#)
- [Hospitals Get OK to Link to Loni](#)
- [Louisiana Gets Funding for High-Speed Data Sharing](#)
- [LONI Joins TeraGrid](#)
- [Fiber Network May Become Movie Star](#)
- [Zeke and LONI Connect](#)
- [Zeke Supercomputer Puts UL Lafayette on the LONI Map](#)
- [LONI Supercomputer Set to Transform UNO Research Capacity](#)
- [Louisiana to Construct One of the Nation's Largest Supercomputing Environments](#)



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REQUEST A
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National LambdaRail™ Infrastructure



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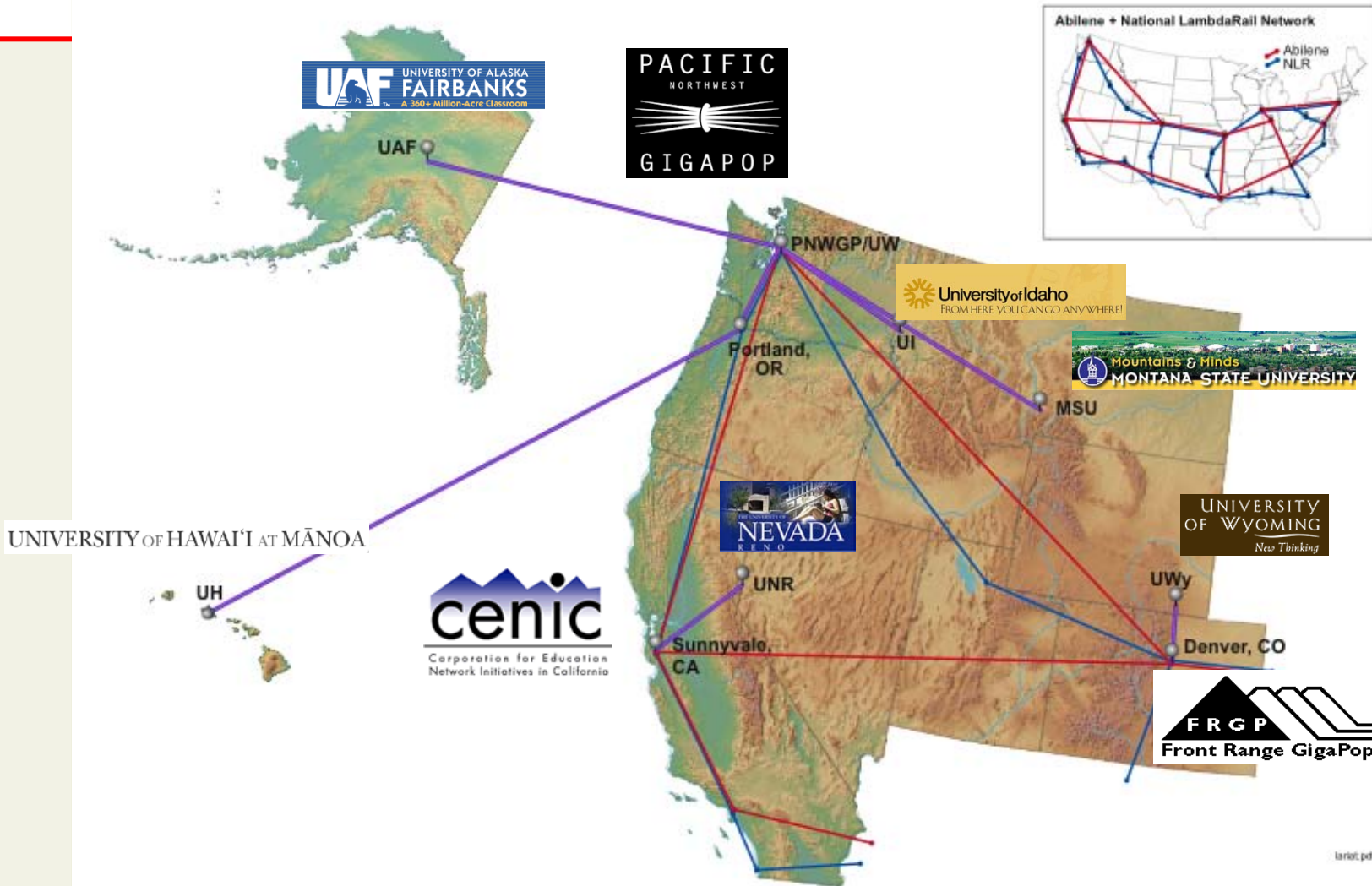
For more information regarding NLR see <http://www.nlr.net> or contact info@nlr.net

NLR backbone routed thru Baton Rouge to leverage LONI infrastructure

NCCR's Lariat Project, 2003-2007



Lariat Network

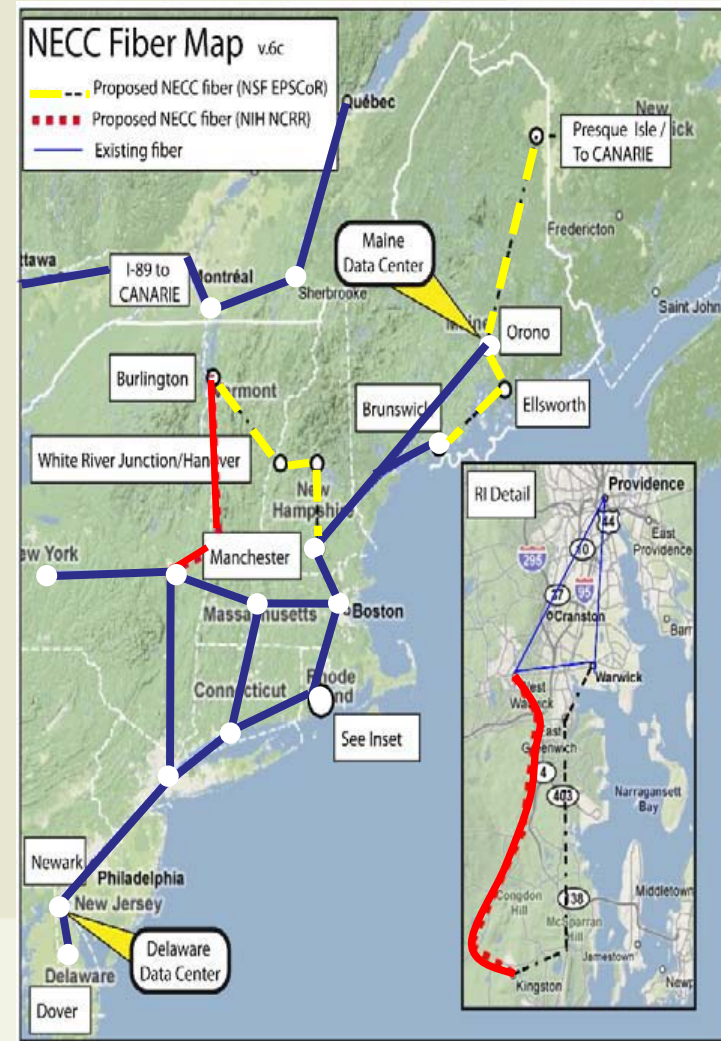
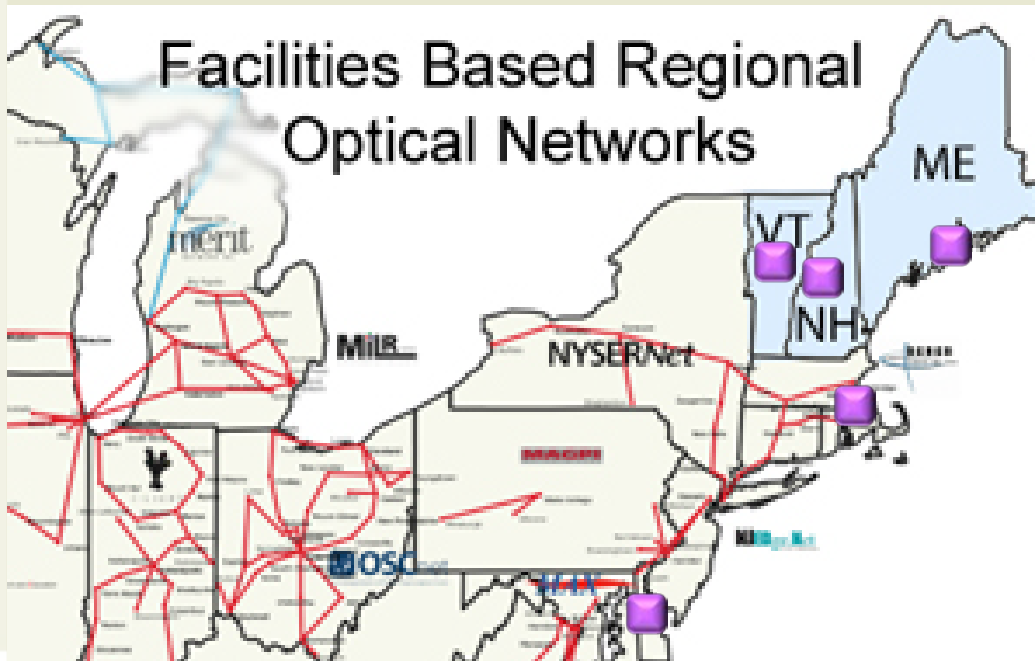


lariat.pdf

Northeast Cyberinfrastructure Consortium (NECC), 2009-2011

Cyberinfrastructure for Biomedical Research

Connecting researchers in IDeA states (VT, NH, ME, RI, and DE) to each other and to investigators around the world



Quick Links

- [A-Z Subject Index](#)
- [Advisory Council](#)
- [Funding Opportunities](#)
- [Job Opportunities](#)
- [Meeting Reports](#)
- [NCRR and the 2009 Recovery Act](#)
- [NCRR Programs](#)
- [Program Contacts](#)
- [Site Map](#)
- [NCRR 2009-2013 Strategic Plan](#)
- [Upcoming Events](#)
- [Visitor Information](#)



[NCRR Home](#) > [The American Recovery and Reinvestment Act](#)

NCRR 2009 Recovery Act (ARRA) Information

Last updated November 2, 2009.

ON THIS PAGE: [Guidance for Grantees](#) • [Active Funding Opportunities](#) • [Closed Funding Opportunities](#) • [Recovery Act Overview](#) • [Contact Information](#)

NCRR's Recovery Act-Supported Funding Opportunities

NCRR will administer **more than \$1.6 billion** in federal grants under the American Recovery and Reinvestment Act of 2009 (also called *the Recovery Act* or *ARRA*).

This page lists all of NCRR's Recovery Act funding opportunities by application due date, with links to program overviews, application instructions and answers to frequently asked questions.

To see all Recovery Act funding opportunities available from the National Institutes of Health, visit grants.nih.gov/recovery.

Guidance for Grantees

[Drawing Down Recovery Act Funds From the Payment Management System](#)

[READ MORE >>](#)

New Applicants

Your organization must register for both [grants.gov](#) and the NIH eRA Commons to apply for most NIH funding. Registration can take four weeks to complete.

[Start now!](#)

Recovery Act News

[NIH Awards \\$27 Million in Recovery Act Funds to Enhance Scientist and Resource Networking](#)
November 2

[NIH Announces American Recovery and Reinvestment Act Funding Opportunities](#)
March 11

[Applications for \\$1.5 Billion in Recovery Act Funds Now Available](#)
March 10

[See all NCRR news >>](#)

Recovery Act Links

[NCRR Director's Message](#)
[American Recovery and Reinvestment Act](#)

<http://www.ncrr.nih.gov/recovery>

NCRR funding through ARRA

- **\$1.0 Bn for construction, alteration & renovation**
 - Research Facilities Improvement Program (C06)
 - Core Facility Renovation, Repair & Improvement (G20)
- **\$300 M for shared instrumentation grants (SIG)**
- **\$310 M for scientific research**
 - Supplements to existing NCRR grants (IDeA, RCMI, CTSA, BTRC, etc.)
 - U24 Cooperative Agreement Awards – Enabling National Research Networking & Resource Discovery

Active ARRA Funding Opportunities

Building Sustainable Community-Linked Infrastructure to Enable Health Science Research (RC4)

RFA-OD-09-010

Applications due Dec. 11, 2009

Administrative Supplements to Support Core Consolidation

NOT-RR-10-001

Applications due Jan. 13, 2010

ARRA

Community-Based Research Infrastructure

- Promote interdisciplinary, multi-site collaborations between academic researchers and community organizations to facilitate community-based health research and dissemination
- Support development of sustainable, culturally appropriate prevention/intervention research programs
- Participating NIH units: NCI, NEI, NHLBI, NHGRI, NIAAA, NIAMS, NIBIB, NICHD, NIDCR, NIDDK, NIDA, NIEHS, NIMH, NINR, NLM, NCMHD, **NCRR**, ORHW, OBSSR
- Up to \$30 million in FY2010 to fund 30 or more grants
- RC4 project period up to 3 years, up to \$1 million (total cost)

<http://grants.nih.gov/grants/guide/notice-files/NOT-RR-10-001.html>

ARRA

Supplements to Support Core Consolidation

- Administrative supplements to grants that support core facilities, for consolidating multiple cores into a single, more efficient core
- Participating NIH units: **NCRR**, NCI, NCCAM, NIAID, NIAMS, NIDCR, NIDDK, NIDA, NIEHS, NINR, NIMH, NINDS
- \$15 million available in FY2010
- Supplement requests may include up to:
 - \$500,000 for equipment
 - \$500,000 for alteration and renovation
 - \$200,000 (direct costs) for related expenses (e.g., salaries)

<http://grants.nih.gov/grants/guide/notice-files/NOT-RR-10-001.html>

Mark your calendars!



3rd Biennial National IDeA
Symposium Of Biomedical
Research Excellence

June 16-18, 2010

**Marriott Bethesda North Hotel & Conference Center
Bethesda, Maryland**