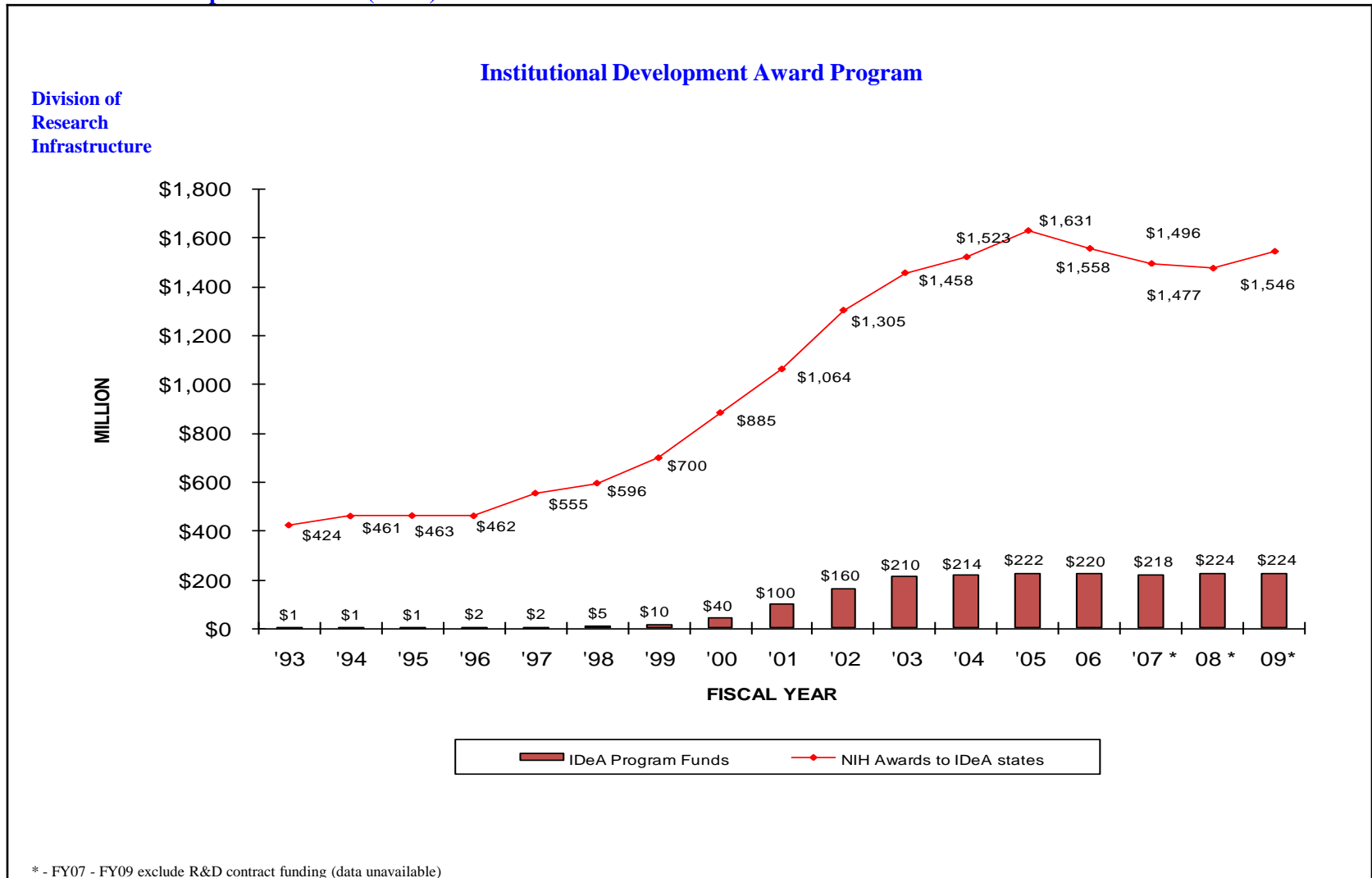


# **16<sup>th</sup> Annual KY EPSCoR Statewide Conference**

**Thursday, May 26, 2011**

**Breakout Session:** KY-EPSCoR, NIH-IDeA Sub-committee  
**Location:** 3<sup>rd</sup> Floor, Galt House East,  
**Time:** 2:45 – 5:00pm

1. Overview of IDeA
2. INBRE in KY
3. National and Regional Events



## Importance of the NIH-IDeA Program to the States

# A KY-EPSCoR SUB-COMMITTEE FOR NIH-IDeA Programs?

- Representation at state-level!
  - Contribute to state-level planning.
  - Synergies between EPSCoR- programs.
  - Collaboration and leverage between IDeA-programs.
  - Statewide level of PR.
- ✓ Require PI or designated representative from INBRE/COBRE programs for the EPSCoR-sub-committee

# **NIH-IDeA programs include:**

**COBREs initiated in 2000**

Centers of Biomedical Research Excellence

**and**

**INBREs initiated in 2001**

IDeA Networks of Biomedical Research Excellence

(Historically - Siblings of RCMI and RIMI-programs, respectively.)

- **Centers of Biomedical Research Excellence (COBRE)** augment and strengthen institutional biomedical research capabilities by building multi-disciplinary research centers at doctoral institutions or research institutes.
- Each research center is led by an established investigator, who is funded by NIH, NSF, or a comparable Federal or private sector source and has expertise central to the theme of the grant proposal.
- Each COBRE has a thematic scientific focus; 3-5 research projects, each supervised by a junior investigator; a defined plan for mentoring, career development, graduation and replacement of junior investigators; and long-term plans for developing and sustaining the center, research program, investigators, collaborations and physical infrastructure.
- **Outcomes:** independent R01 junior investigators; independently supported research centers; core facilities.

- **IDeA Networks of Biomedical Research Excellence (INBREs, formerly known as BRINs)** enhance biomedical research capacity, expand and strengthen the research capabilities of biomedical faculty and provide access to biomedical resources for promising undergraduate students throughout the eligible states.
- INBRE enhances research infrastructure through support of a statewide, multi-disciplinary, thematic research network of doctoral degree granting, research-intensive institutions, including undergraduate institutions.
- Each INBRE aims to build and increase research capacity by supporting faculty, fellows and students at participating institutions.
- Additional INBRE goals include providing research support for undergraduate faculty and students; serving as a “pipeline” to health research careers; providing outreach to students at undergraduate institutions, community colleges and tribal colleges; and enhancing the statewide science and technology knowledge base.
- **Outcomes:** independently (R15) funded junior investigators; successful postdoctoral researchers; well trained undergraduate students applying to graduate and professional degree programs; capability/capacity for bioinformatics ; access to core facilities.

# **2,000-present**

## **University of Louisville Hosted INBRE**

P20RR016481 – Kentucky Idea Network of Biomedical Research Excellence (KBRIN)

## **University of Louisville COBREs**

P20RR015576 - Mechanisms of plasticity and repair after SCI

P20RR017702 - Molecular Determinants of Developmental Defects

P20RR018733 - Molecular Targets COBRE

P20RR024489 - Center of Excellence in Diabetes and Obesity Research

## **University of Kentucky COBREs**

P20RR015592 - Center of Biomedical Research Excellence- Women's Health

P20RR020145 - Center for Biologic Basis of Oral/Systemic Diseases

P20RR020171 - Center of Biomedical Research Excellence in Molecular Basis of Human Disease

P20RR021954 - Center of Research in Obesity and Cardiovascular Disease

# Kentucky IDeA (INBRE and COBRE) Awardees

**1. Aruni Bhatnagar**

Professor  
University of Louisville  
Grant(s) [P20RR024489](#)

**2. Lisa Cassis**

Professor  
University of Kentucky  
Grant(s) [P20RR021954](#)

**3. Nigel Cooper**

Professor  
University of Louisville School of Medicine  
Grant(s) [P20RR016481](#)

**4. Thomas Curry**

Professor and Chair, Director of Research  
University of Kentucky College of Medicine  
Grant(s) [P20RR015592](#)

**5. Jeffrey Ebersole**

Professor and Associate Dean  
University of Kentucky  
Grant(s) [P20RR020145](#)

**6. Robert Greene**

Professor and Chair  
University of Louisville School of Dentistry  
Grant(s) [P20RR017702](#)

**7. Louis Hersh**

Professor and Chair  
University of Kentucky College of Medicine  
Grant(s) [P20RR020171](#)

**8. Donald Miller**

Associate Professor  
University of Louisville  
Grant(s) [P20RR018733](#)

**9. Scott Whitemore**

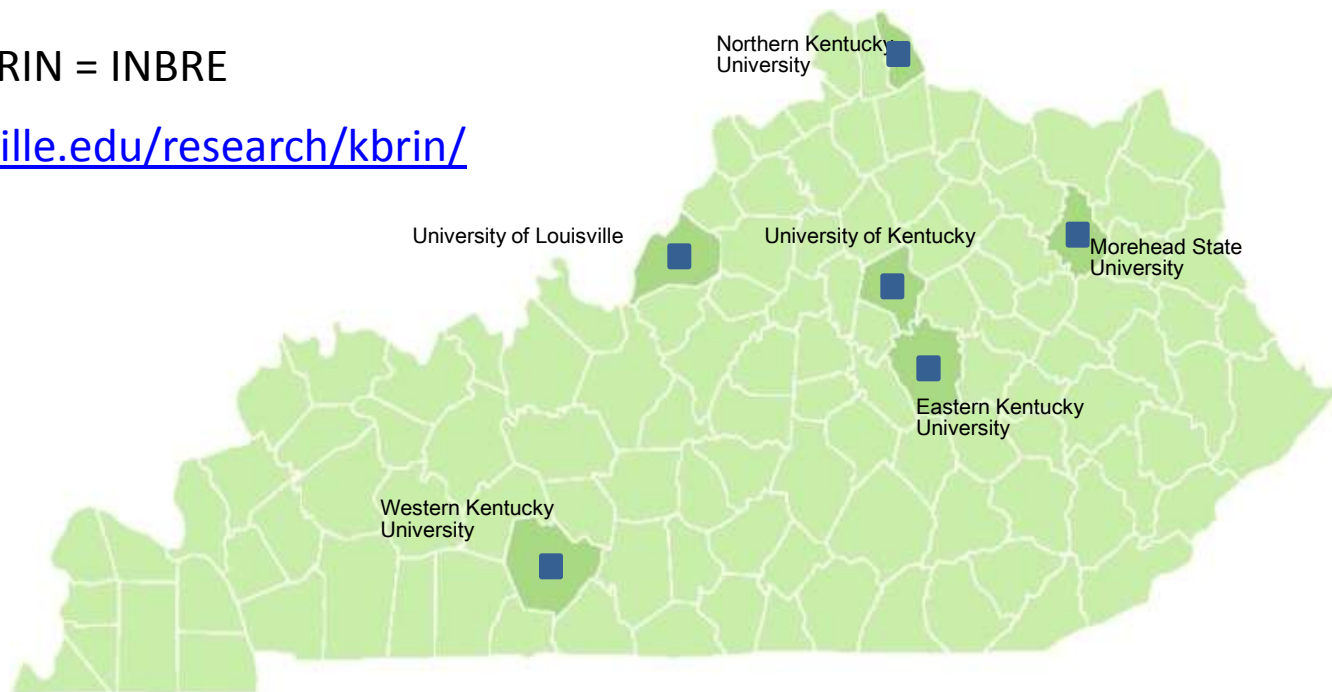
Henry D. Garretson and Marianna Chair in Spinal Cord Injury  
University of Louisville  
Grant(s) [P20RR015576](#)

- ✓ Overview of IDeA
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# The KBRIN, hosted by UofL, is a network of institutions 6 state universities and 1 independent college -

KBRIN = KY-BRIN = INBRE

<http://louisville.edu/research/kbrin/>



Grant written in 2000 and initially funded in 2001.

Approximately \$2.5 million DC per year plus 2 supplements.

Awards total approximately \$41million for years 2001-2014.

# The KBRIN

## Organization:

- Institutional leadership from each institution in statewide steering committee.
- PC from MoSU.
- Program Evaluator at UK.
- Summer Program Coordinators at Berea, UK and UL

## Grants Programs:

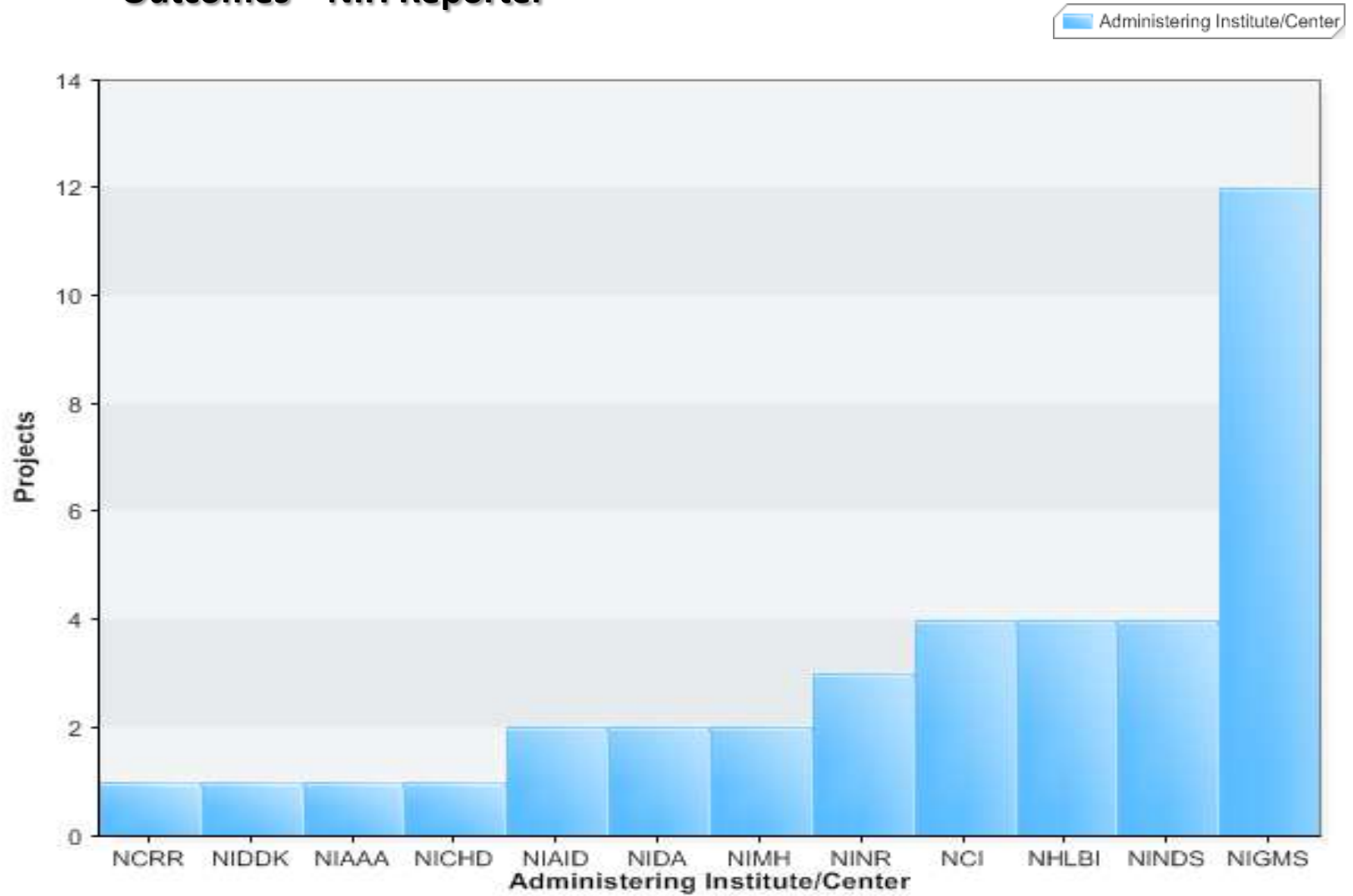
- Major Projects \$80K – 5 yrs.
- Pilot Projects \$25K – 2yrs annual applications.
- Postdoctoral Researchers - \$50K yr annual applications.
- Bridging Grants \$50K yr – annual applications.

## Other Support Programs:

- Bioinformatics:
  - Tools and algorithms
  - Education
  - Collaborative research
  - Annual Summit
- Central Genomics Core (gene-microarray):
  - Access
  - Data Analyses – technical support.
- Mentoring :
  - KAS – Grant Writing Workshop annually.
  - Summer Research Opportunity Program.

Summary by Administering Institute/Center

**Outcomes – NIH Reporter**





## Highlighted outcomes between 2001-present:

- 37 (R15) awards from multiple NIH institutes
- 2R01 type grants awarded (UK and UL)
- 2 NSF Career awards (UK and NKU) and 1 NIH PECASE award (UL) to junior faculty
- 4 postdoctoral researchers have obtained faculty positions
- 200 undergraduate students from across the state (outreach) have been supported in summer research programs at UL and UK
- 476 undergraduate students in network regional institutions (4 comprehensives) have been supported in funded research laboratories with 186 students known to have entered graduate and professional degree programs.
- Significant enhancements to bioinformatics and biostatistics programs at UL and UK with some additional movement in this arena at WKU and ECU.
- Interdisciplinary Ph.D. degree with emphasis in bioinformatics established.
- Annual Bioinformatics Summit – regional in scope.
- 6 Next Generation Sequencing projects initiated this year (one per institution).

✓ Overview of IDeA

✓ INBRE in KY

3. Regional and National Events

# **Nationwide PI-Association**

An IDeA Resource

100 programs, 100 PIs,

National committee of 20 representatives

Executive committee of 5

National Association of IDeA  
Principal Investigators

**NAIPI**

The National Institutes of Health Institutional Development Award Program



<http://www.naipi.org/>

- The NAIPI Council communicates directly with NCRR on issues related to the IDeA program.
- NAIPI leadership also interacts with the EPSCoR-Foundation.
- The NAIPI website is being developed as an informational resource.
- NISBRE, Biennial National IDeA Symposium of Biomedical Research Excellence.
- (Alternate years used for regional conferences)

# **SE Regional IDeA Conference**

## **September 22-24, 2011**

### **New Orleans, LA.**

We are in the final process of completing a draft program for the conference and securing the venue.

Volunteers needed for organizing committee to:

- 1) Contribute and approve the scientific program
- 2) Help with the selection of abstracts for oral and poster presentations
- 3) Co-chair individual sessions of the conference.

# NAIPI Council Members Representing over 100 Programs/PIs (as of June 2010)

## Western Region

### COBRE

- Dr. Mark Quinn (new) 3 years
- Dr. Larry Forney (new) 2 years
- Dr. Eric (Sam) Loker (new) 1 year

### INBRE

- Dr. James Kenyon 2 years
- Dr. Jeffrey Arterburn 1 year
- *Council member elect:* Dr. Rik Yanagihara

## Central Region

### COBRE

- Dr. Dan Marcus (new) 3 years
- Dr. Charles Wood 2 years
- Dr. Judith James 1 year

### INBRE

- Dr. James Turpen 2 years
- Dr. Joan Hunt 1 year

## **S.E. Region includes:**

Arkansas, Kentucky, Louisiana, Mississippi, West Virginia, South Carolina, Puerto Rico

## Southeastern Region

### COBRE

- Dr. Edgar-Garcia Rill (new) 3 years
- Dr. Gus Kousoulas 2 years
- Dr. Gabriel Navar 1 year

### INBRE

- Dr. Nigel Cooper 2 years
- Dr. Lucia Pirisi-Creek 1 year
- *Council member elect:* Dr. Prescott Deninger

## Northeastern Region

### COBRE

- Dr. James Padbury 3 years
- Dr. Charles Irvin 2 years
- Dr. William Green 1 year

### INBRE

- Dr. Patricia Hand 2 years
- Dr. Judith Van Houten 1 year

# SMRB

NIH's Scientific Management Review Board chaired by NIH Principal Deputy Director, Dr. Lawrence Tabak, has recommended significant changes.

Merger between NIDA and NIAAA already underway.

Development of National Center for Advancing Translational Science (NCATS ) is proposed.

Remove CTSA's (\$450 million) from NCRR and place in NCATS is proposed.

Dissolution of NCRR.

NCRR Assets ?????

NCATS	NIGMS	NIBIB	NIMHD	Interim Infrastructure Unit	Not Yet Assigned
CTSAs					
				National Primate Research Centers	
				Chimpanzee Resource Centers	
				Other Primate Model Resources	
	Other Disease Model Resources				
	Beam Line and Mass Spect P41s	Imaging P41s		Remaining P41s	
	Shared and High-End Instrumentation				
				Biomedical Tech Other (R01, R21, BIRN, etc.)	
			RCMI		
				IDeA	
				SEPA	
				Extramural Construction	
					NCRR OD Not Yet Assigned



While the IDeA Program is a line item in the congressional budget, the NAIPI and the EPSCoR /IDeA Coalition are taking pre-emptive attitude and trying to protect the IDeA Program.

Our common goals should be to:

- 1) national - protect IDeA.
- 2) national – work with new NIH-institute to maintain goals.
- 3) national – develop common IDeA-biomedical strategy.
- 4) local – connect to, and leverage the statewide-EPSCoR organization.