

*EMPOWERING THE PRESENT  
AND ENABLING THE FUTURE*



6135 Woodward Avenue

# “New Research Building” THEN

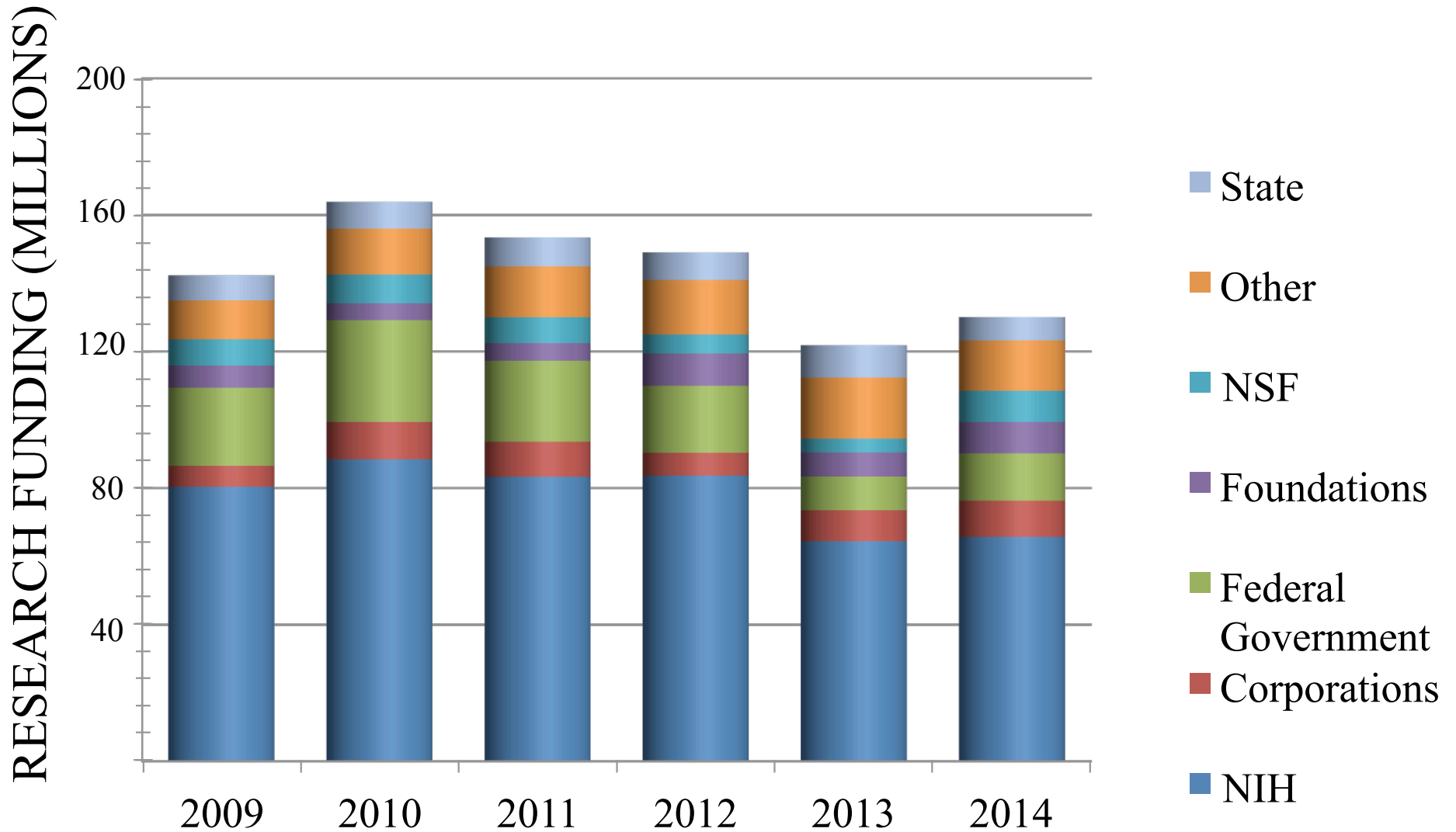




# New Research Building NOW



# WSU EXTRAMURAL RESEARCH FUNDING AWARDS (YEAR TO DATE THROUGH AUGUST 31)



# RESEARCH, DISCOVERY AND KNOWLEDGE APPLICATION AS AN INSTITUTIONAL PRIORITY

- *The Battelle Technology Partnership Practice* identified three primary opportunities
  - Urban Health and Health Disparities
  - Precision Medicine (Imaging, Biomarkers and Diagnostics)
  - Systems Engineering
- *The FaegreBD Consulting Group* provided a broad report
  - “Strengthening the Clinical Translational Science Platform”
  - “Transforming Clinical and Translational Sciences: A Roadmap to Lead the Nation in Urban Research Excellence”.

# CANDIDATE TRANSLATIONAL THRUSTS

- Maternal, child and life span development
- Community-based understanding of the interface of genes, environment, ethnicity and health
- Brain science and neurological health in the urban environment
- Bio-engineering in the clinic and community setting
- Cancer
- Prevalence and prevention of cardiovascular, metabolic and infectious disease in urban populations

## *NOTE:*

- *These areas of translational focus presume a solid, upstream basic science underpinning at WSU*

## RECOMMENDATIONS

- Establish a Clinical and Translational Sciences Institute with a home base at the new research building
- The Institute could serve as a home for integrated research teams and programs (e.g.)

### Examples -

- Center for Urban Medicine and Population Health
- Center for Urban Community Engagement
- Center for Urban Responses to Environmental Stressors (CURES)
- Metabolic Diseases and Cardiovascular Complications
- Bioengineering

“WSU Institute for Translational  
Science and Urban Health”

Interface of  
Genes,  
Environment,  
Ethnicity and  
Health

Urban Life  
Span

Metabolic  
Diseases

Cardiovascular Health and Urban Disparities

Cancer Prevention and Control

Neurological Health and Behavioral Sciences

Systems and Bio Engineering

Clinical Research Center Support

STRAWMAN SCHEMATIC FOR ILLUSTRATION PURPOSES



# Nurturing the “Healthy Community” in its broadest sense

- Basic and clinical research on targeted diseases
- Community-based participatory research
- Creative arts
- Educational activities
- Equity and health disparities
- Economic development platforms
- Quality of life
- Social determinants of health
- Sustainable systems and livable communities
- Work force development

*IBio*

*The Integrative Biosciences Center*

*WAYNE STATE UNIVERSITY*



## Key objectives for research growth going forward

- Identify and nurture the development of thematic initiatives that leverage strengths across colleges.
- Increase faculty recruitment through targeted cluster recruitment strategies
- Establish an “Office of Research Development” that will identify strategic programmatic funding opportunities and support the development and submission of programmatic funding applications
- Diversify funding portfolio (e.g. corporate and foundation)
- Review current funding support mechanisms from VPR office to align with goals and objectives

## Key objectives for research growth going forward (continued)

- Reinvest in physical infrastructure for research
- Establish mechanisms that provide recognition of and expectations for research and technology development activities
- Identify work flow processes improvements that could reduce administrative burden and operational logistics
- Provide broader platforms for student research opportunities
- Expand and accelerate technology transfer platforms
- Work with intercollege, faculty advisory groups to move forward with implementation

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