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)
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
- Cardiovascular Health and Urban Disparities
- Cancer Prevention and Control
- Neurological Health and Behavioral Sciences
- Systems and Bio Engineering
- Clinical Research Center Support
- Metabolic Diseases

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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