Total Research Expenditures by Campus

- Research expenditures as reported on the NSF HERD Survey is the gold standard metric.

- System-wide, research expenditures hit an all-time high in FY18 at $417M increasing 46% since FY09.

- The growth over the last two years at UT Knoxville was driven primarily by IACMI.
Federal Research Expenditures by Campus

System-wide federal research expenditures have increased 19% since FY09.
Research Expenditure Rankings as Reported on NSF HERD Survey

TOTAL RESEARCH EXPENDITURES

ALL

PUBLIC

UTC – 375  UTM - NR

UTC – 265  UTM - NR
How do we continue to grow research funding?
Traditional Approach: Add Faculty

Higher Performers (Research Funding)

Lower Performers (Research Funding)
TOTAL RESEARCH FUNDING

What would it take to grow total research funding?

Add ~600 additional faculty, funded at a rate of ~2.5x current faculty.

2017 Total Research Expenditures (in Millions $)

R² = 0.7634

Source: NSF 2017 R&D (HERD) Survey; IPEDS Data Center (Human Resources / Faculty)
TOTAL RESEARCH FUNDING

What is different at Georgia Tech & UC Berkeley?

2017 Total Research Expenditures (in Millions $)

Source: NSF 2017 R&D (HERD) Survey; IPEDS Data Center (Human Resources / Faculty)
REALIZING THE FULL POTENTIAL OF THE UT-ORNL PARTNERSHIP
REALIZING THE FULL POTENTIAL OF THE UT-ORNL PARTNERSHIP

Oak Ridge Institute @ UT

Requires ten-year commitment to become self-sustaining.

• Focused interdisciplinary problem-based science and engineering.

• Recruit 60 new researchers/faculty complemented by ORNL scientists.

• Grow joint PhD program to 500 students.

• Attract $150++ million in new research funding annually.

Positions UT as a Top Public Research Institution!
TOTAL RESEARCH FUNDING

Impact of ORI Investment

Source: NSF 2017 R&D (HERD) Survey; IPEDS Data Center (Human Resources / Faculty)
WHEREAS the Board of Trustees recognizes that The University of Tennessee, Oak Ridge National Laboratory (ORNL), and the State of Tennessee would benefit from a stronger and more coordinated relationship; and

WHEREAS Interim President Boyd has proposed the creation of a new institute to foster a stronger and more coordinated relationship;

NOW, THEREFORE, BE IT RESOLVED:

1. The Board of Trustees approves creation of the Oak Ridge Institute at the University of Tennessee (ORI) to organize established joint UT/ORNL programs under a single administrative umbrella and provide a platform for strategic growth opportunities and global impact;

2. ORI shall be led by an Executive Director charged with pursuing leading-edge interdisciplinary research and workforce development in emerging fields;

3. The Board directs Interim President Boyd to solicit faculty, staff, and stakeholder input to ensure the success of ORI; and

4. At the November 8, 2019 meeting of the Board, Interim President Boyd shall submit, for Board approval, a detailed business plan for ORI including necessary structural and reporting framework, fiscal implications, and implementation timelines.
Current State of the Collaboration
$306MM since 2009
Today’s Ideation Session

• The purpose of today’s meeting is to **generate ideas**
• We value your **input** and **participation** today and throughout the process

➢ [ORI@utk.edu](mailto:ORI@utk.edu)