TAMEST The Academy of Medicine, Engineering & Science of Texas

INNOVATING TAMEST * 2020 Annual Conference RESEARCH TO COMMERCIALIZATION

#TAMEST2020 (TAMEST. ORG/2020



Improving the Path Between Research and Commercialization in Texas

Moderator: Adam L. Hamilton, P.E., President & CEO, Southwest Research Institute **Panelists**:

- Rafael L. Bras, Sc.D., Georgia Institute of Technology
- Mike Maples, Jr., Floodgate Fund
- Eric Olson, Ph.D., (NAM, NAS), UT Southwestern Medical Center
- Katie Rae, The Engine

Southwest Research Institute Mission



Advance science and apply technology to solve humankind's most difficult technical challenges from Deep Sea to Deep Space

and practically everywhere in between.

Southwest Research Institute

- Independent, Non-Profit, Applied Research & Development
- Broad Technological Base
 - Science & Engineering
- Capital Intensive Operations
- FY 2019 Consolidated Revenue ~ \$679M
- San Antonio (HQ) and Boulder based
- Approximately 2,700 Employees



Deep Sea to Deep Space®...

The Ecosystem Analogy

OVATING TEXAS

Life Science

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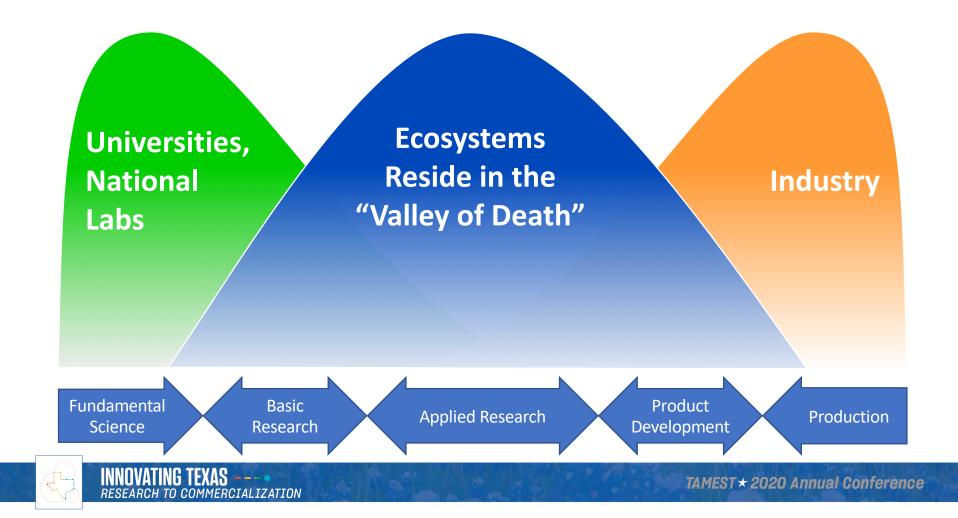
- Biotic and abiotic components
- Nutrient cycles and energy flows
- Production

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- Decomposition
- External Factors

Innovation and Commercialization

- Academia, non-profits, government, industry, startups
- Funding, information, ideas
- Growth, return, value, intellectual property
- Failures, recycling
- Economies, politics, regulation



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Texas Can Do Better

| Funding | #1 | #2 | #3 | #4 | #5 | #6 | #7 | #8 | #9 | #10 |
|--------------|----|----|----|----|----|----|----|----|----|-----|
| Federal | CA | MD | MA | VA | NY | NM | ТХ | FL | PA | OH |
| Industry | CA | MA | WA | MI | ТХ | NY | NJ | IL | PA | NC |
| Universities | CA | NY | ТХ | MI | FL | MA | IL | PA | GA | NC |
| Other | CA | MA | ТХ | NY | NJ | NC | OH | PA | MI | IL |
| Total | CA | MA | ТХ | NY | MD | WA | MI | IL | NJ | PA |

Research America

Insights from Successful Ecosystems

- San Francisco
 - Mike Maples, Jr., Floodgate
- Boston
 - Katie Rae, The Engine
- Atlanta
 - Rafael L. Bras, Sc.D., Georgia Institute of Technology
- Dallas

 Eric Olson, Ph.D., UT Southwestern Medical Center



Placeholder for Panelists' Slides



TAMEST * 2020 Annual Conference

Thank You!

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