The Role of State Governments in ECONOMIC DEVELOPMENT and R&D COMPETITIVENESS

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"LINKING ECONOMIC DEVELOPMENT TO ECONOMIC GROWTH"

KATIE STEBBINS, VP, ECONOMIC DEVELOPMENT
UNIVERSITY OF MASSACHUSETTS

PRESENTATION TOPICS

1. Massachusetts Super-Cluster
2. State Economic Development Framework
3. Capital R&D State Investments
4. Priorities of the University
5. “Loving the Hand that Feeds You” or “It’s Complicated” or “It’s not you, it’s me”

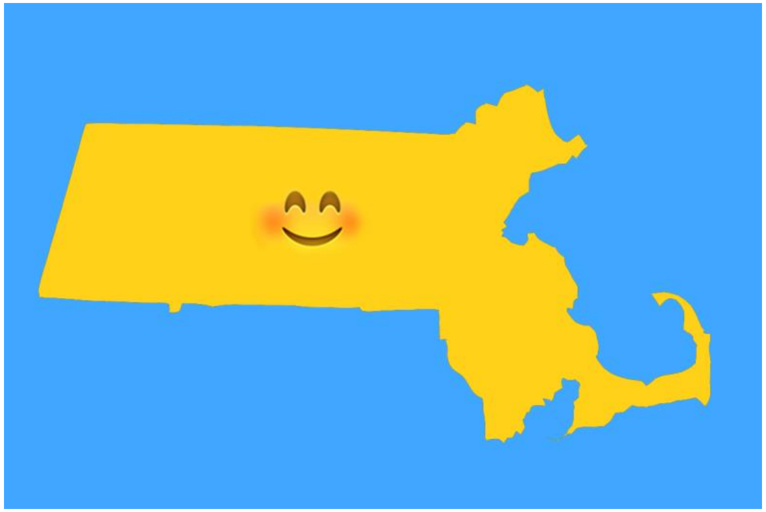
MASSACHUSETTS SUPER-CLUSTER

ACCOLADES

#1

- This mix of top assets has placed Massachusetts at the top of numerous independent rankings, including:
- #1 in Bloomberg's State Innovation Index for 2015 & 2016
- The top state for eight consecutive editions of the Milken Institute's *State Tech and Science Index*
- Called an "Innovation Champion" by the Consumer Technology Association
- Named the Center for Data Innovation's top State for 2017

MASSACHUSETTS ECONOMIC DEVELOPMENT FRAMEWORK



- Economic growth and job creation in all regions of the Commonwealth.
- Emphasize housing that supports growth.
- Grow a workforce that is prepared for the future.
- Support innovation and entrepreneurship in all businesses.
- Build infrastructure that supports economic development.

R&D FUND

$25M Collaborative R&D Matching Grant Fund: Provides matching funds for public-private research initiatives that commercialize new technologies, and accelerate the development of new regional industry clusters.

MASSACHUSETTS MANUFACTURING INNOVATION INITIATIVE (M2I2)

Manufacturing USA infrastructure within the state's academic, research and manufacturing industry.

Over the next 5 years the state has committed $113M across five centers:

- AIM Photonics, Integrated Photonics
- NextFlex, Flexible Hybrid Electronics,
- AFFOA, Advanced Fibers and Textiles
- ARM, Advanced Robotics Manufacturing
- NIIMBLE, Manufacturing Biopharmaceuticals

LIFE SCIENCES R&D

Massachusetts Life Sciences Center Capital Program $405M: Provides capital grants that enable and support life sciences workforce development and training, research and development, commercialization and/or manufacturing in the Commonwealth.

PRIORITIES OF THE UNIVERSITY

- Continuous investment into core research facilities, labs, classrooms, and faculty.
- Attract and educate the best students in world class facilities.
- Attract private sector sponsored research and secure major research awards.
- Address ongoing deferred maintenance and demands for new student infrastructure.

IT'S COMPLICATED…

University View

- Educate Talent
- Conduct Research
- Stimulate the local economy
- Invest in core research facilities
- Be a world class ranked institution

State View

- Train Workforce
- Attract Private R&D
- Grow the local economy
- Invest in low growth geographies
- Be the top ranked state

HOW TO STRIKE A BALANCE

- **Capital Investment Program is easier.**
- **Immediate partnerships with local industry.**
- **Private industry commitments.**
- **Pathway partnerships with Community College.**
- **Partner with companies that the State works hard to retain.**
- **Offer a vision for a town/gown economic development strategy.**

COMMUNITY BASED PARTNERS

THANK YOU!

Katie Stebbins

kstebbins@umassp.edu