





Inaugural Fraunhofer - Delaware Technology Summit

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Energy and Life Sciences – Solutions for Sustainability

University of Delaware Clayton Hall March 5/6, 2013







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LIFE SCIENCES SOLUTIONS

Keynote Presentation

"Life Sciences Addressing Global Challenges"

Douglas Muzyka
Senior Vice President and
Chief Science & Technology Officer
DuPont





Life Sciences Addressing Global Challenges

Douglas Muzyka, PhD Senior Vice President and Chief Science & Technology Officer, DuPont

Key messages

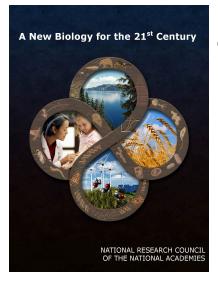


- Science can address global challenges
- Integration of scientific disciplines is more powerful than any one alone
- Collaboration is key to delivering solutions

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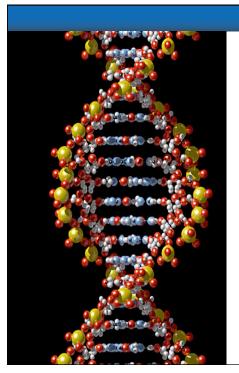
Agenda for Life Sciences: Global Challenges



National Academies propose "New Biology" initiative (2009)

- Biological Sciences at inflection point in their capacity to solve problems
- Opportunity to propel science to a new level
- Goal is to address significant societal needs

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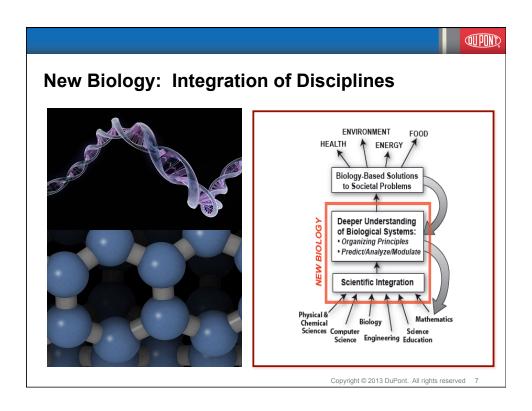


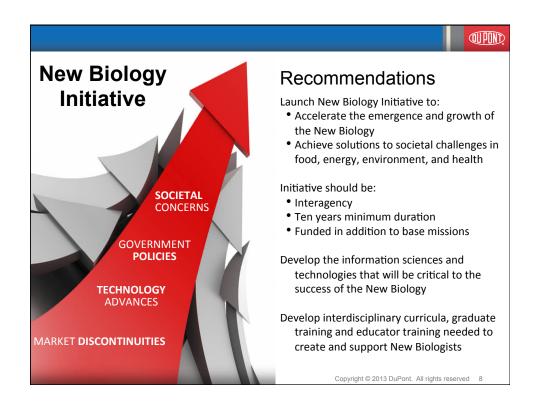


Biology at Inflection Point

- Increasingly integrating the sub-disciplines of biology
- Integrating with other disciplines: physical, computational, earth scientists, engineers
- Technological advances enables unprecedented data collection: quantity and quality
- Past investments providing value beyond expected

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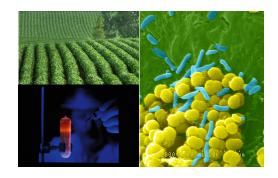


OPON)

The National New Biology Initiative

Setting big goals: Address societal problems

- Food
- Environment
- Energy
- Health



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QUPON)

DuPont applies science to develop solutions for these major challenges



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KEEPING PEOPLE AND THE ENVIRONMENT SAFE

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