

# Research Development for Team Science:

What they don't teach  
faculty researchers in grad  
school ...

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# The Way “We” Were

- Each Research faculty had own lab with grad students and post-docs, funded by RO1-type grant
- Regular teaching responsibilities
- Often had own equipment purchased by grants or funded by University
- Went to meetings in field of expertise 1+ times per year, often small (150 or so)
- Published in journals known in their field

# “Next-gen” research in the life sciences

- Traditional funding opportunities declining
- Technology growing/changing at an increasingly fast rate, can be too expensive for one PI to buy equipment
- Need for cutting-edge, innovative projects that bring together researchers from disciplines
- Centers, institutes, alliances forming to bring faculty together
- Universities hiring RESEARCH DEVELOPMENT PROFESSIONALS and/or establishing Associate Deans of Research who oversee departments!!!!



# “Next-gen” research in the life sciences

- Challenges:
  - Recognition (by Departments, Universities, Study Sections)
  - Publishing
  - Funding RFPs
  - Preliminary data
  - Leadership
  - Budgets
  - Organizational skills

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**NIST**  
National Institute of  
Standards and Technology  
U.S. Department of Commerce

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# IBBR Infrastructure

- 3 Partners (UM, UMB, NIST)
- Faculty on 3 different campuses
- Faculty in 7 different departments
- Centers and Programs within IBBR
- One Director, 2 Associate Directors, Report to UM and UMB Provosts, NIST leader



# Challenges

- Research Themes
- Personalities
- Time and timing
- Vocabulary
- Organization
- Writing (grammar, story-telling, figures)
- Engagement with Research Development
- Morale





# What we are trying

- Seed Grants
- Shared Instrumentation grants
- Steering committee to identify research areas
- Joint symposia
- Training grants
- Awards
- Program Officer introductions
- Listening
- Organizing...

# What we would like to do

- Identify what we can be best at and focus on that research
- Form alliance(s) that will lead to a center grant or Program Project
- Identify opportunities to support ongoing research
- Establish more of a culture of collaboration and communication instead of competition
- Have research development appreciated as a necessary “clearing house” for communications, ideas, projects in development, in progress, and more
- Organizational development, team building, project management tools (“Creativity dies in an indisciplined environment.” Jim Collins, *Good to Great*)

Thanks!

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