

National Data Integrity Conference Remarks

Patrick J. Burns

Dean of CSU Libraries and VP for IT

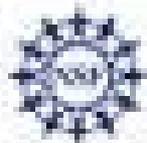
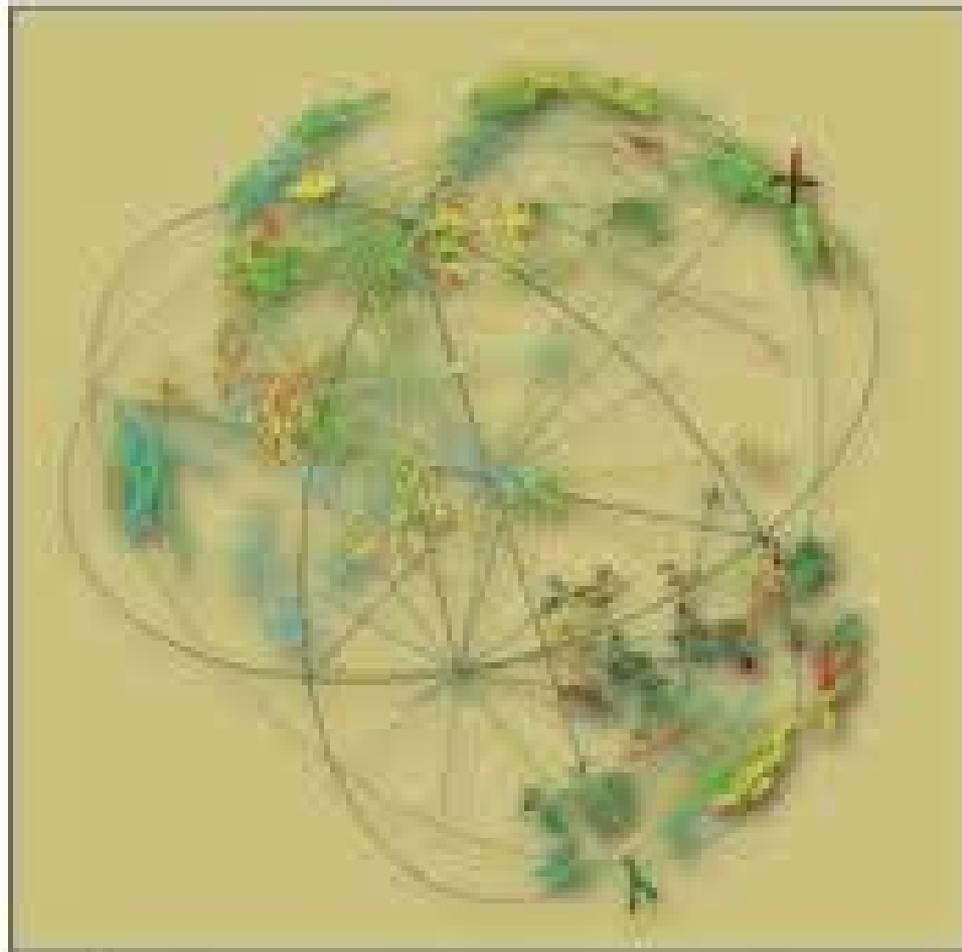
May 8, 2015

Ruminations, Contemplations & Musing

- Big Data
 - Big opportunity
 - Big task

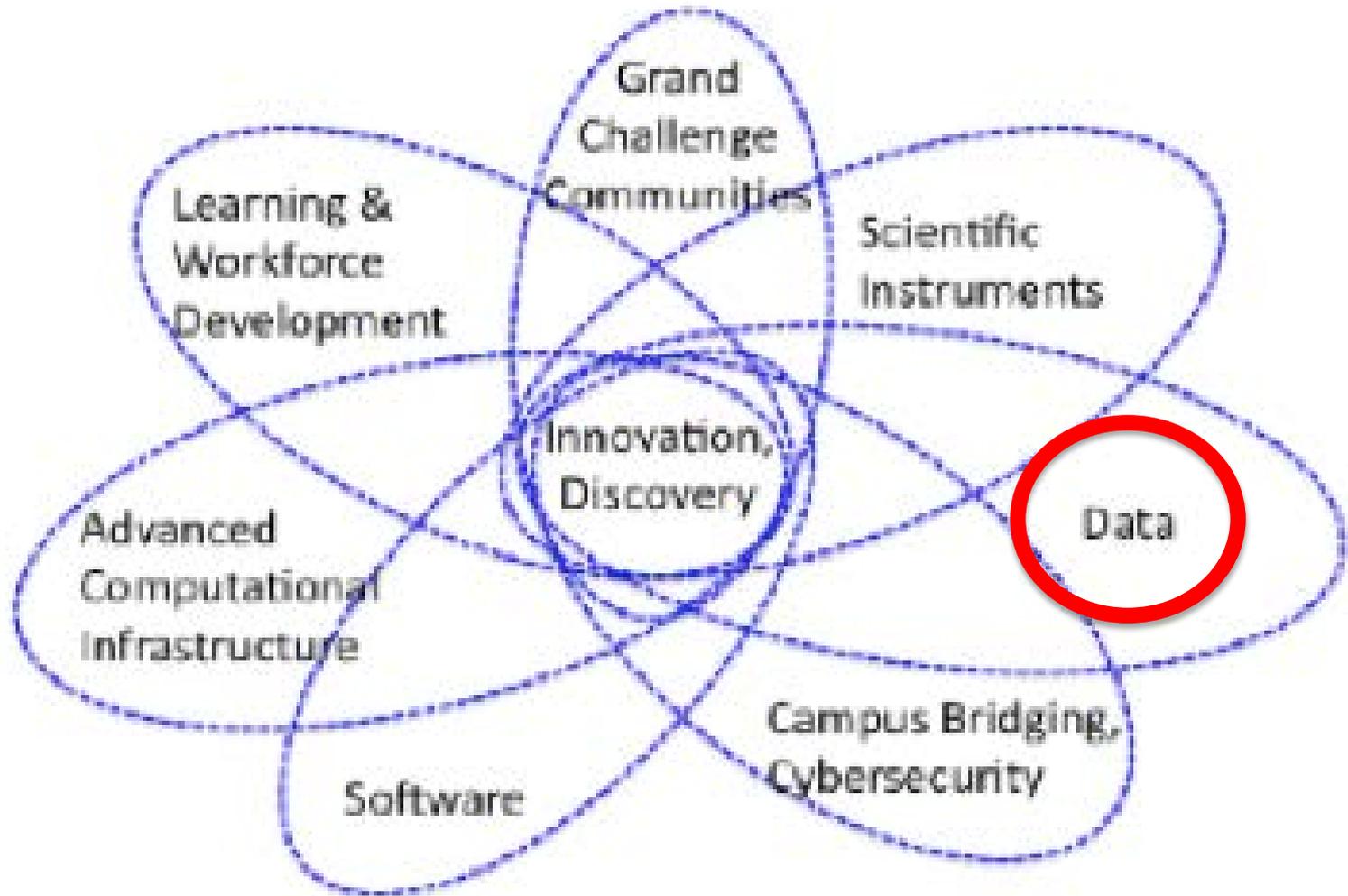


CYBERINFRASTRUCTURE VISION FOR 21ST CENTURY DISCOVERY



National Science Foundation
Cyberinfrastructure Council
March 2009

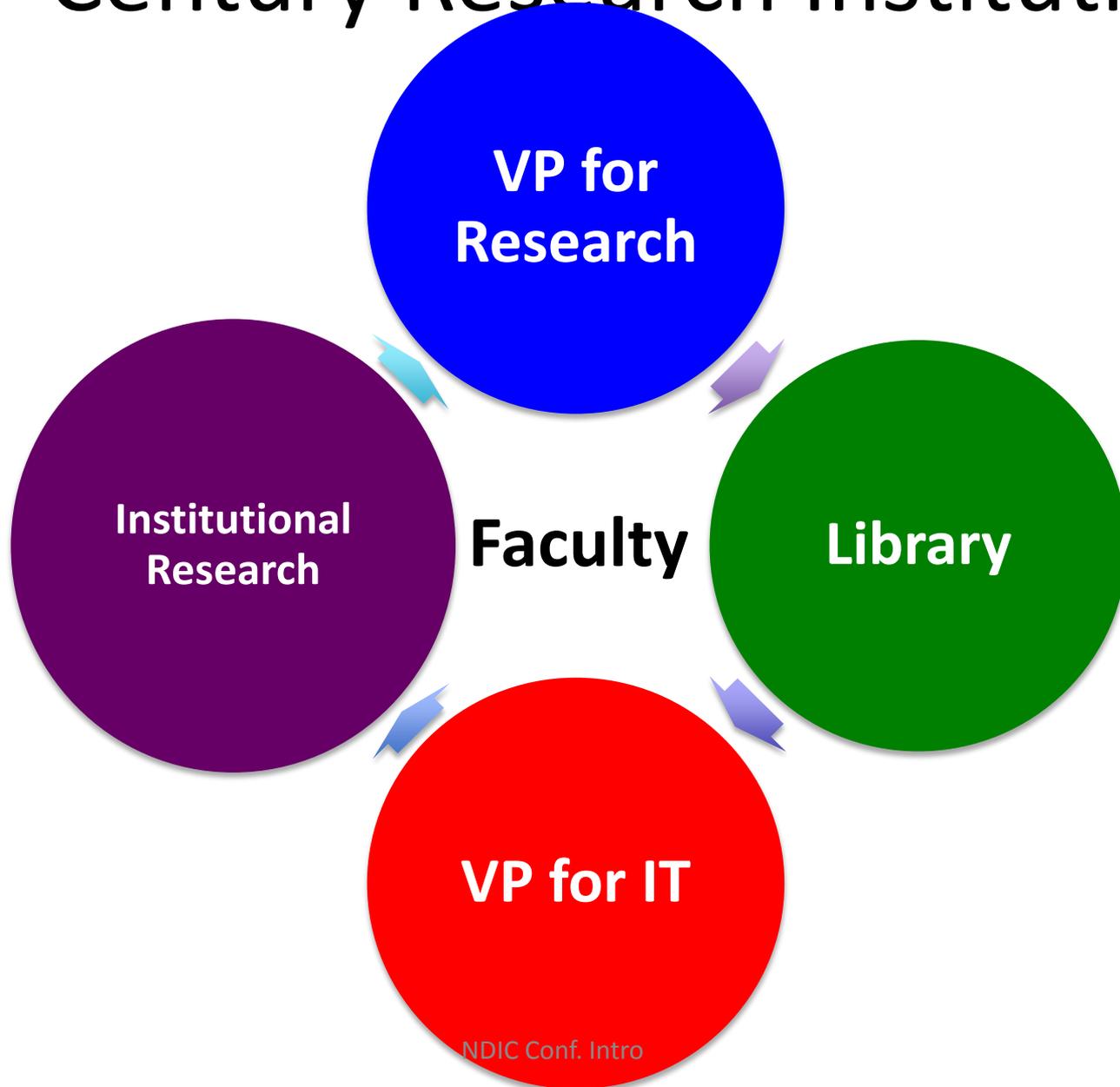
CIF21: cyberinfrastructure as an ecological system



Accelerate Discovery via Reuse



21st Century Research Institution



Open Government & OA

the WHITE HOUSE PRESIDENT BARACK OBAMA

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BRIEFING ROOM

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TRANSPARENCY ♦ PARTICIPATION ♦ COLLABORATION

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My Administration is committed to creating an unprecedented level of openness in Government. We will work together to ensure the public trust and establish a system of transparency, public participation, and collaboration. Openness will strengthen our democracy and promote efficiency and effectiveness in Government.

- PRESIDENT OBAMA, 01/21/09



The “Serials” Crisis: When Can We?

- Push for a 6-month embargo period?
 - Stop ordering some journal titles?
- Rely on publications being available on PubMed, etc?
- Stop paying publishers for perpetual access?

A Confusing Ecospace

DURASPACE™



DSPACE

VIVO

connect • share • discover



Fedora™



islandora™



hydra



Where Will We Store Data

**Federal
Disciplinary
SC Centers
Institutional
Shared**

“All of the above”

More Importantly
Where will our data be
Organized, and
Made discoverable?

The 7 V's: Institutional Challenges

1. Volume

2. Velocity

3. Variability

4. Variety

5. Veracity

6. Visualization

7. Value

The Next BIG Thing?



Relative Magnitudes

**Learning
Analytics**

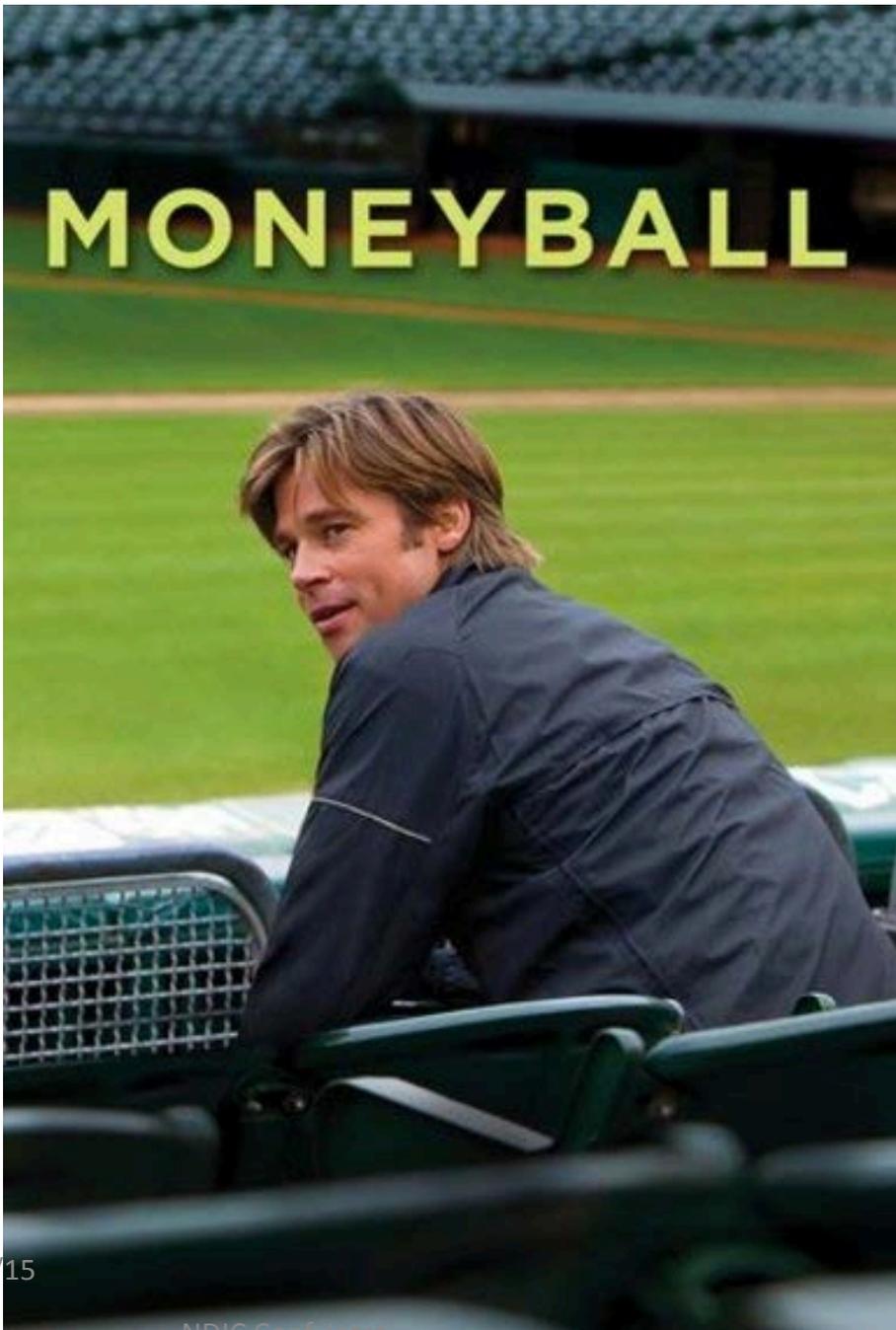
Data



**Business
Data**







<http://www.sonypictures.com/movies/moneyball/>

5/8/15

NDIC Conf. Intro

Recently



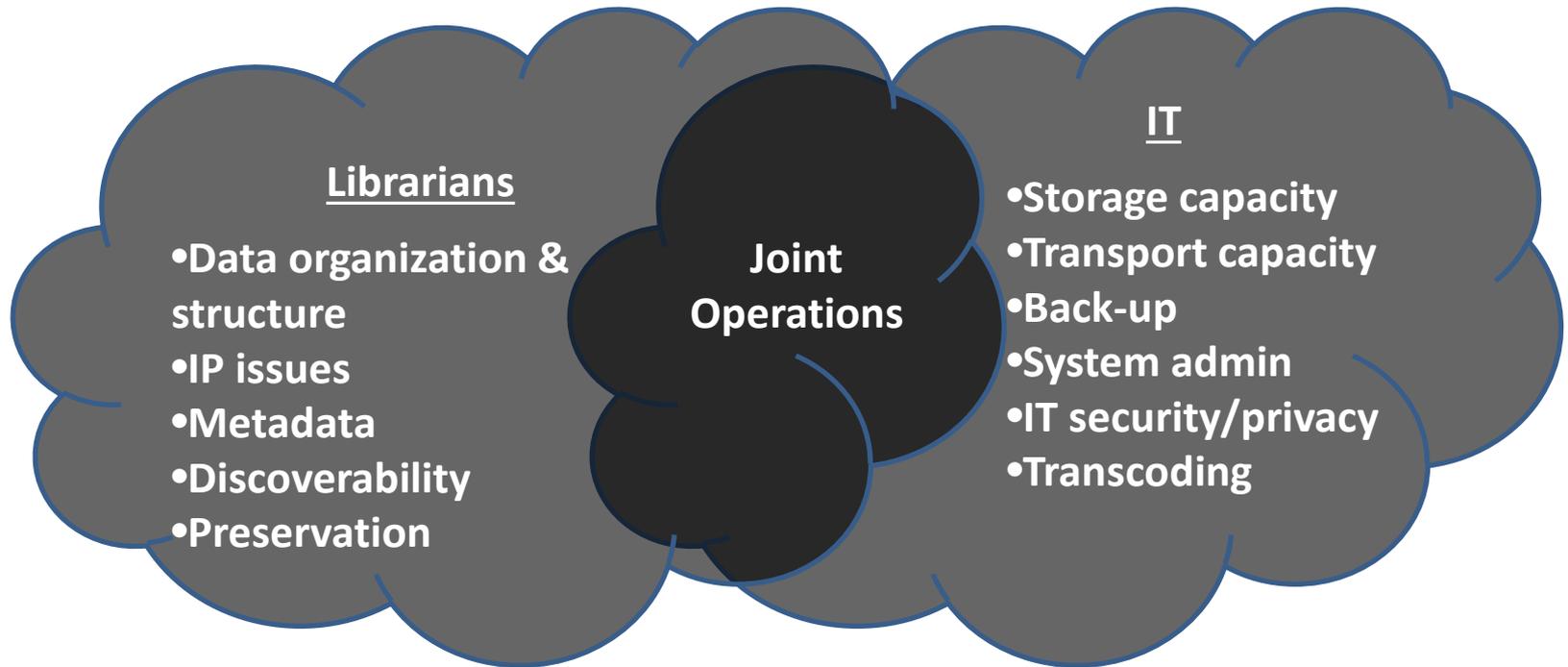
Education Advisory Board

STUDENT SUCCESS
COLLABORATIVE



IT TAKES A VILLAGE...

Libraries-IT Integration



Data/Info Stewards

- The 'front end'
- Interactions w/ researchers

System Stewards

- The 'back end'

WE Have Much to Do Let's Do It Together

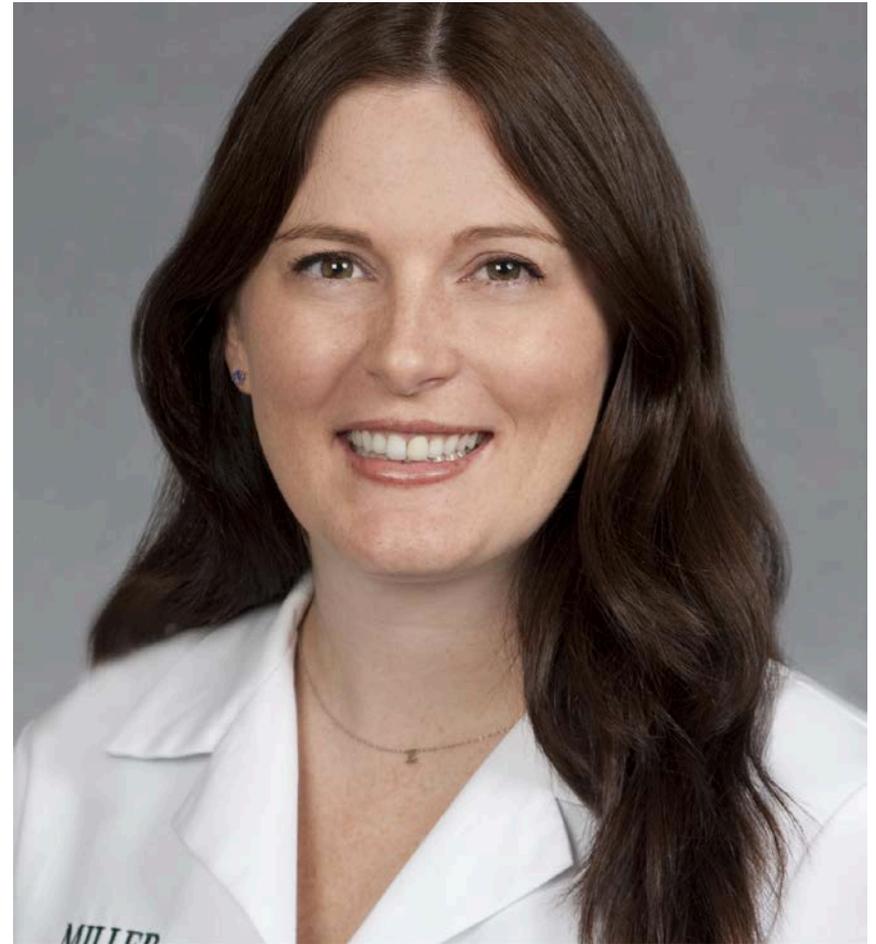


And Now, Introducing

THE
MAIN
Event

Introduction - Elizabeth Iorns

- Co-Founder & CEO of [Science Exchange](#)
- Asst. Prof., Dept. of Medicine, U Miami School of Medicine
- Education
 - [Y Combinator S2011](#)
Mountain View, CA
 - Ph.D. in Cancer Biology
[Institute of Cancer Research](#)
London, U.K.
 - B.Sc (Hons) in Biomed. Science
[University of Auckland School of Biological Sciences](#)
Auckland, New Zealand
- All pubs in PubMed!



And, More Importantly

- Her research has focused on identifying mechanisms of breast cancer development and progression
- Recognized by Nature as one of the “Ten People that Mattered in 2012” for her role in launching the Reproducibility Initiative
- May 2013: named, with co-founders Ryan Abbott and Dan Knox, as "Tech's Most Inspiring New Founder" by SV Angel's David Lee.
- June 2013: mentioned as one of the "50 Women Who Are Changing The World" by WIRED
- May 2014: one of six female entrepreneurs to receive the Glamstarter Award from [Glamour Magazine](#).

Please Join Me In Welcoming Elizabeth

