

The Institution's Role in Enhancing Scientific Reproducibility

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What if something goes wrong?

What are the stakes?

Harm to
research
participants

Loss of
research
funding

Data loss and
publication
retraction

Inability to
recruit top
faculty and
students

Loss of
sponsor
confidence

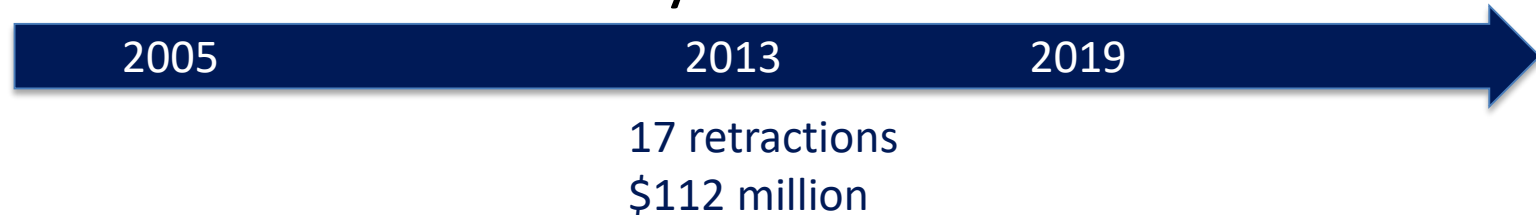
Loss of
public trust

Impact of Research Misconduct at Duke

Omics Case



Pulmonary Medicine Case



Key Principles of Duke Research Integrity Culture

Inclusive

- All stakeholders need to participate

Comprehensive

- Education, oversight and accountability

Multifaceted

- Holistic approach across all dimensions of research integrity

Pragmatic

- Provide resources and tools to make it “easy” to do the right thing

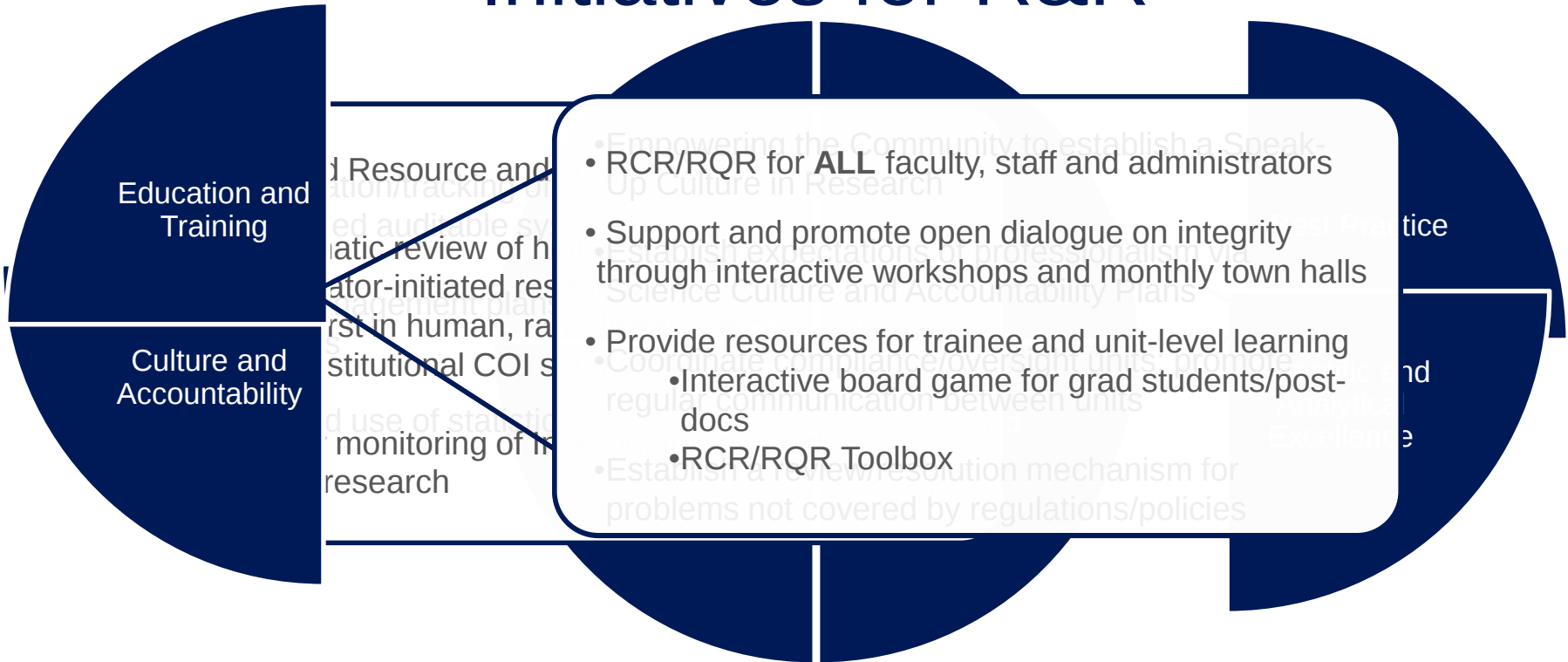
Empowering

- Empower community and stakeholders to speak up

Duke Office of Scientific Integrity



Foundational Principles and Initiatives for R&R



Adapted from Casadevall A, Fang FC. 2016. Rigorous science: a how-to guide. mBio 7(6): e01902-16. doi:10.1128/mBio.01902-16.

Foundational Principles and Initiatives for R&R



Questions?

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