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

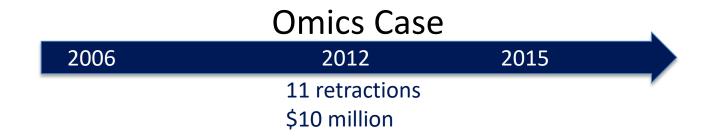
Data loss and publication retraction

Inability to recruit top faculty and students

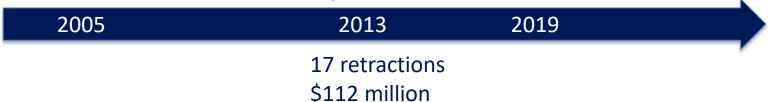
Loss of sponsor confidence

Loss of public trust

Impact of Research Misconduct at Duke



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

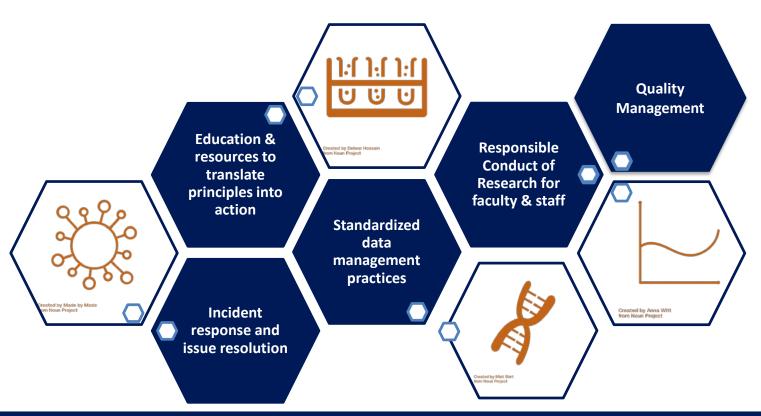
 Provide resources and tools to make it "easy" to do the right thing

Empowering

 Empower community and stakeholders to speak up



Duke Office of Scientific Integrity





Foundational Principles and Initiatives for R&R

• RCR/RQR for ALL faculty, staff and administrators 1 Resource and **Education** and tice **Training** Support and promote open dialogue on integrity atic review of h through interactive workshops and monthly town halls ator-initiated res rst in human, ra Provide resources for trainee and unit-level learning Culture and stitutional COI s าd Interactive board game for grad students/post-Accountability docs monitoring of h RCR/RQR Toolbox mechanism for research

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?

