

REPRODUCIBILITY IS BROKEN

AND SCIENTISTS ARE PAYING THE PRICE

We asked **415 scientists** in industry, academia, and government about reproducibility

65% said it's an **urgent problem**
33% are **losing trust** in their peers
25% are **losing faith** in the scientific process

THE CULTURE IS CAUSING THE CRISIS



42% feel scientific publications are biased toward positive results

57% say the pressure to publish or show results pushes scientists to take shortcuts

Cell line users are especially **concerned about reproducibility**, however...



9 out of 10 borrow cell lines from colleagues



They re-authenticate **only 29% of the time**



and **those who borrow are less successful** in reproducing work

SCIENTISTS SEE THREE TOP SOLUTIONS AND ALL OF THEM START WITH SCIENTISTS

- 1 Full sharing of data, materials, and other tools used in published research**
- 2 Better training on methods and study design**
- 3 Shifting culture to value accuracy over speed**



YOU HAVE THE POWER. WHAT WILL YOU DO WITH IT?