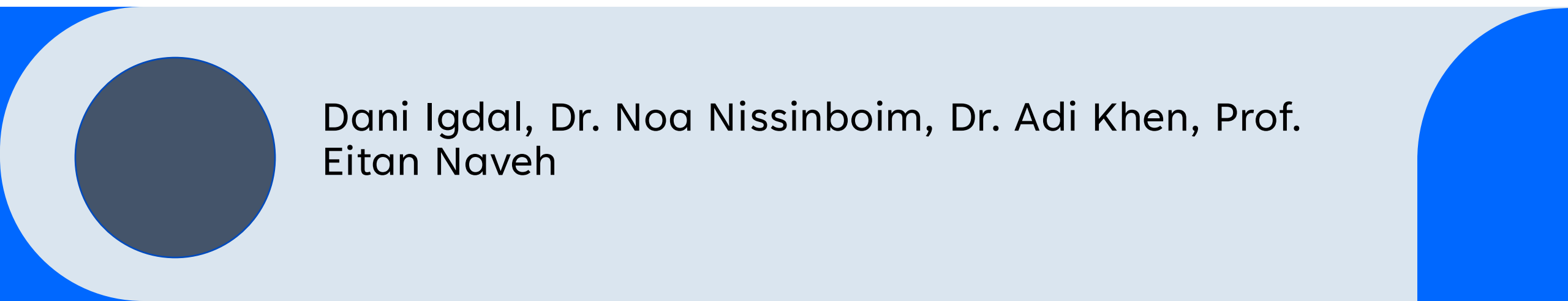


"Safety First!", but what
about everything else?



Dani Igdal, Dr. Noa Nissinboim, Dr. Adi Khen, Prof.
Eitan Naveh

The Drive for High Impact and Productivity in Research



Researchers must navigate multiple constraints from proposal to publication to maximize output




Prioritizing productivity results in more experiments and data



Citations is the 'gold standard' for measuring research influence

Balancing Safety and Productivity

- Over 65 reported fatal accidents since 2000 occurred in universities
- 
- Universities have implemented comprehensive safety programs



Prioritizing
Safety



Prioritizing
Productivity



Pushback to Safety Priority



**Safety procedures
are often seen as
bureaucratic,
time-consuming and
productivity reducing**



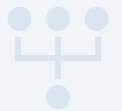
**PIs may underestimate the
risk of accidents due to
their confidence in their
expertise**





Workplace safety theory argues that accidents are inevitable if safety is not given the highest priority ("safety first")

(Hofmann, Burke, and Zohar, 2017)

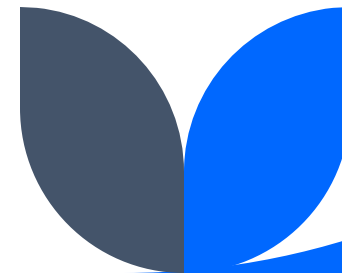


Current research examines the integration of safety and productivity priorities in university research laboratories

A shift from a single, isolated approach to an integrated, multi-priority approach enriches the options and methods organizations can use to achieve lower accident rates

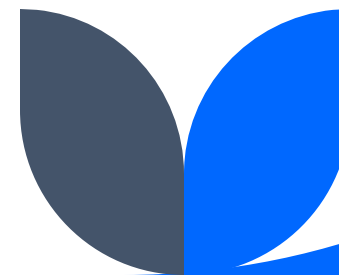
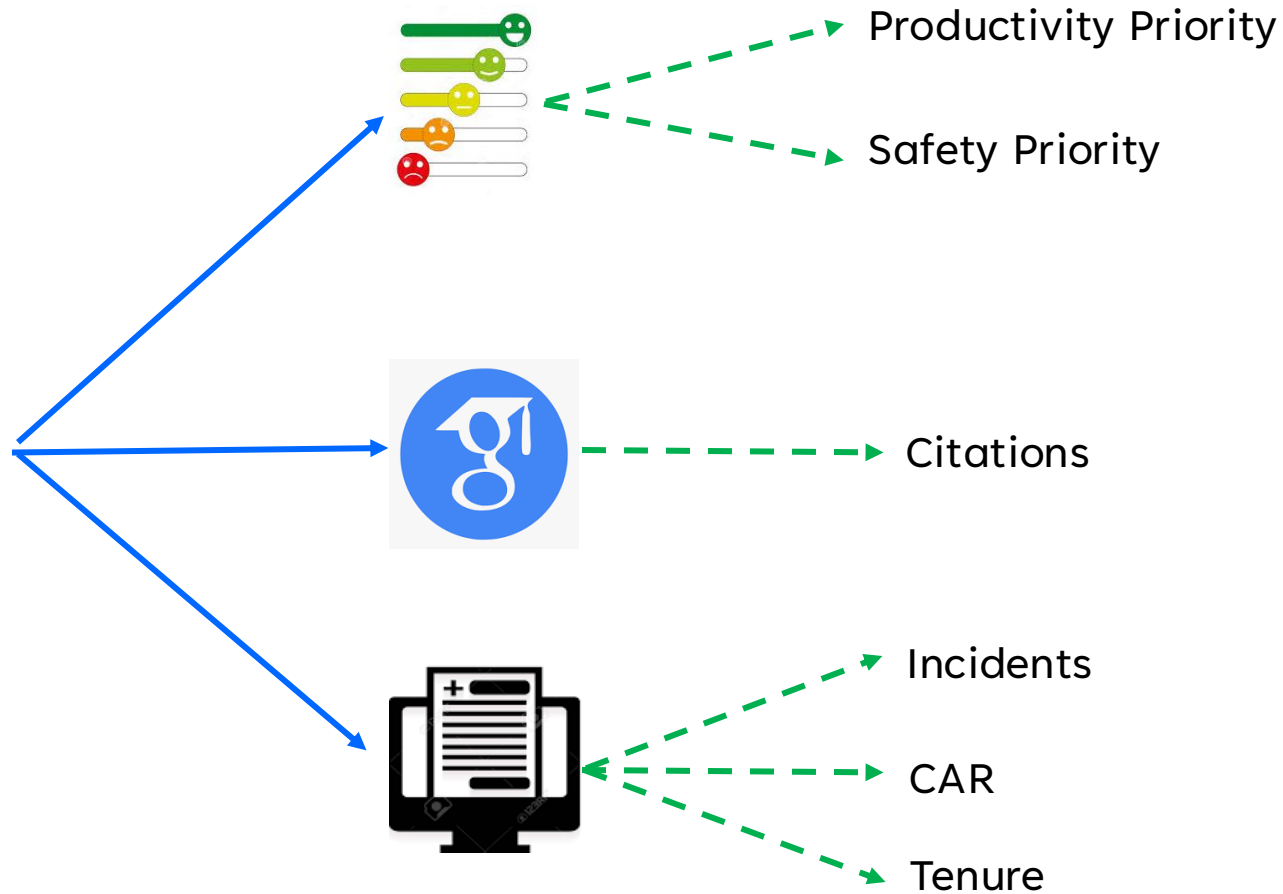
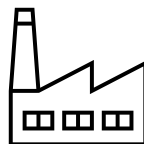


To what extent do the most impactful researchers prioritize in their own research laboratories safety and productivity?

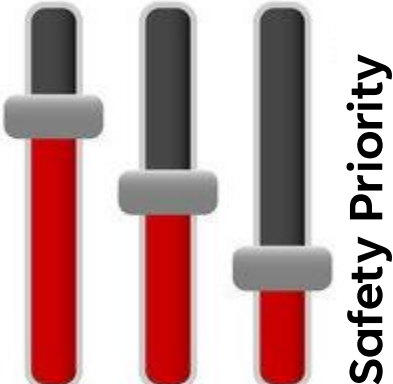
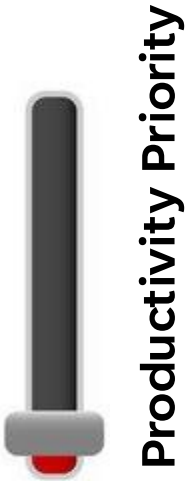


Data Collection

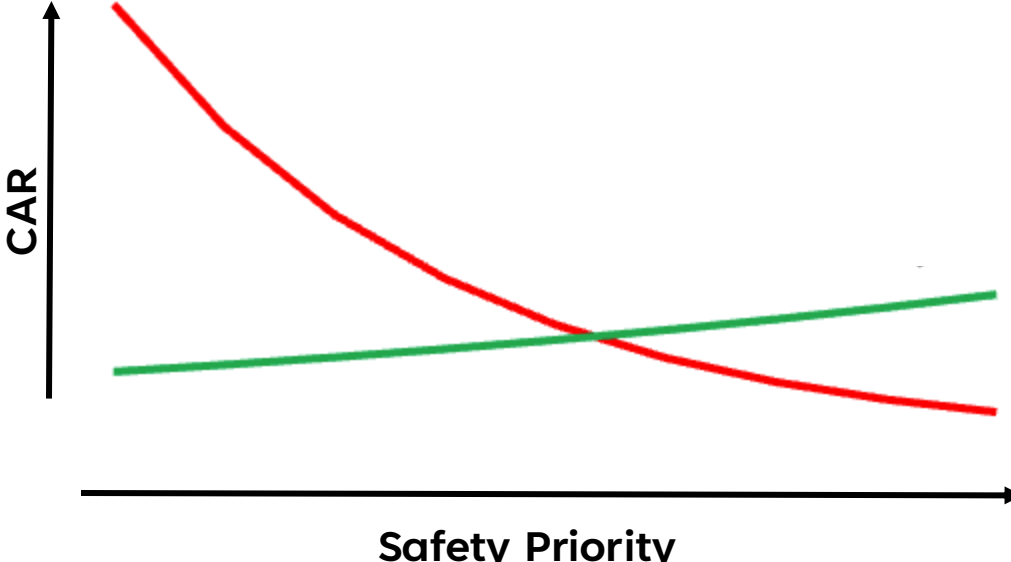
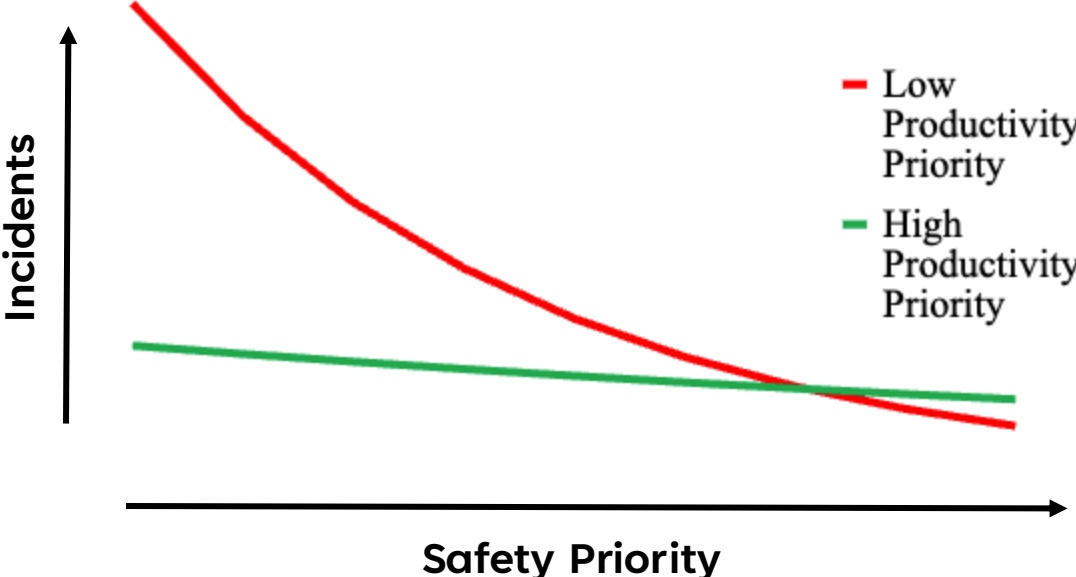
290 Participants, 126 Labs



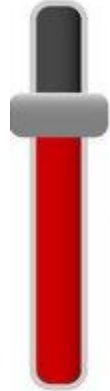
Hypotheses – Safety Incidents



The joint influence of Safety and Productivity priority on Safety Incidents and Corrective Actions Required



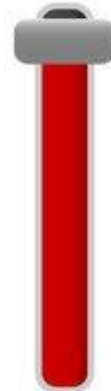
Hypotheses – Citations



Safety Priority

Productivity Priority

Citations



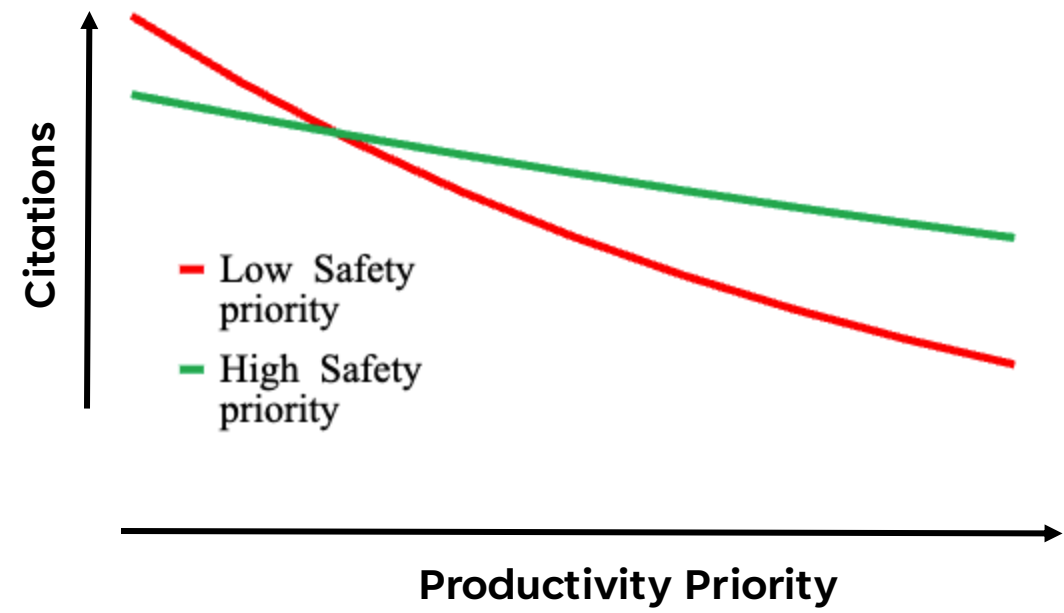
Safety Priority

Productivity Priority

Citations



The joint influence of Safety and Productivity priority on Citations



Conclusions

 **Prioritizing safety reduces accidents, specifically when Planning is low**

 **Prioritizing productivity also reduces accidents, regardless of Safety Priority**

 **Prioritizing productivity leads to fewer citations, especially when safety slips**

 **If productivity priority is high, a higher level of safety priority results in greater research impact (citations)**

