# Article information:

How to train early-career scientists to weather failure  
<https://www.nature.com/articles/d41586-023-02168-6>

# Article summary:

1. Training programmes that address failure can help early-career scientists bounce back and learn from their experiences.

2. Recognizing and normalizing failure is important for postdocs and PhD students, with efforts such as publishing 'CVs of failure' and organizing conferences on the benefits of failing.

3. Mentors and advisers play a crucial role in helping young scientists navigate failures by sharing their own experiences and providing guidance on how to overcome setbacks.

# Article rating:

Appears moderately imbalanced: The article provides some useful information, but is missing several important points or pieces of evidence that would be required to present the discussed topics in a balanced and reliable way. You are encouraged to seek a more balanced perspective on the presented issues by exploring the provided research topics and looking at different information sources.

# Article analysis:

这篇文章探讨了如何培养早期科学家应对失败的能力。文章提到了一些培训计划和会议，旨在帮助科研人员正视失败并从中学习。然而，这篇文章存在一些潜在的偏见和片面报道。

首先，文章没有提及失败可能带来的负面影响。虽然鼓励科研人员接受失败并从中学习是很重要的，但也需要意识到失败可能导致心理压力、自信心下降以及职业前景受损等问题。文章没有探讨这些潜在的风险，并且过于强调了接受失败的积极方面。

其次，文章只关注了早期科学家如何应对失败，而忽略了其他阶段的科学家。事实上，无论是初级科研人员还是资深科研人员，在整个职业生涯中都会面临失败和挫折。因此，培养应对失败的能力不仅适用于早期科学家，也适用于所有科学家。

此外，文章没有提供足够的证据来支持所提出的主张。虽然有一些成功科学家公开分享他们的“失败简历”，但这并不能证明接受失败是科学成功的必要条件。文章没有提供相关研究或数据来支持这一观点。

最后，文章没有探讨失败的原因和如何避免失败。虽然接受失败并从中学习很重要，但也应该努力避免不必要的失败。培训计划和会议应该教授科研人员如何规划和执行他们的研究，以减少失败的可能性。

总之，尽管这篇文章提出了一个重要的话题，即培养早期科学家应对失败的能力，但它存在一些潜在的偏见和片面报道。未来的研究应该更全面地考虑到失败带来的风险，并提供更多有据可查的证据来支持所提出的主张。

# Topics for further research:

* The negative impact of failure on scientists' mental health and career prospects.
* The importance of cultivating resilience in scientists at all stages of their careers.
* The lack of evidence supporting the claim that accepting failure is a necessary condition for scientific success.
* The need to explore the reasons for failure and strategies for avoiding it.
* The potential bias and one-sided reporting in the article.
* The suggestion for future research to provide more comprehensive and evidence-based insights into the topic.

# Report location:

<https://www.fullpicture.app/item/6f10999acd16f57a58aba30830dcd629>