Write a page for a biosecurity wiki

Starter · 1–3 hours · Free · Step-by-step guide

Online version: https://ai-safety-sandbox.vercel.app/projects/biosecurity-wiki-page/

Summary

The field lacks a friendly wiki. Pick one concept (far-UVC, DNA screening, elastomeric respirators, metagenomic surveillance) and write the clear, well-sourced page you wish existed.

Why it matters

Newcomers spend hours piecing together scattered sources. A good page saves that time for everyone after you, and writing it teaches you the topic properly.

What you will have at the end

One wiki-style page with sources.

Steps (tick each box as you go)

- [ ] **1. Pick a concept (10 min)**
  Choose something you keep seeing but could not explain yet.
- [ ] **2. Read three good sources (1 hr)**
  Note the definition, why it matters, the current state, and open questions.
- [ ] **3. Write it (1 hr)**
  Use headings: What it is · Why it matters · How it works · Open questions · Further reading.
- [ ] **4. Check and share (20 min)**
  Double-check every claim against a source and ask someone to read it. Share it with your group.

What you need

- A web browser
- About two hours

What you will learn

- Core biosecurity concepts
- Summarising sources accurately

Key terms

Far-UVC
A band of ultraviolet light (around 200–235 nm) studied as a way to kill airborne germs in occupied rooms.

Elastomeric respirator
A reusable rubber-faced mask with replaceable filters. Properly fitted, it protects better than most disposable masks.

Source and links

Hatta & Bazarragchaa — A hundred project ideas in biosecurity (2025)
https://casualphysicsenjoyer.com/Essays+in+progress/Biosecurity/A+hundred+project+ideas+in+Biosecurity

When you have finished

Write a few paragraphs on what you did, what you found and what you would try next, and share it with a friend, your society or online.

Try next: Teaching biosecurity: primers, curricula and case studies
https://ai-safety-sandbox.vercel.app/projects/biosecurity-teaching-ideas/

Courses, mentors, small grants and communities:
https://ai-safety-sandbox.vercel.app/next-steps/

Questions? Ask in AI Safety Cardiff University (AISCU): https://aiscu.org/

Notes