FAQ

Waveframe Labs — Frequently Asked Questions (FAQ)

Wait, is this a real lab?

Yes. It's an **independent applied research organization**, not an academic department or corporate team.
Waveframe Labs is where reproducible AI-assisted research is developed, tested, and published under open licensing.
We operate entirely through **Aurora Workflow Orchestration (AWO)** — a method that enforces falsifiability, provenance, and transparency across all reasoning steps.

Do I need to use AWO?

If you want your work to be part of the **Waveframe Labs research corpus**, yes.
AWO isn't a suggestion — it's the compliance layer that makes results independently verifiable.
You can study or remix the repositories freely, but if you diverge from the **Method Specification**, your fork is **non-compliant** and should not claim AWO compatibility.

Do I need to set up CI?

Not for **Minimum** tier.
Minimum compliance allows **manual orchestration** (no CI) as long as manifests, attestation, and checksums are present.
CI becomes **SHOULD** for **Standard** tier and effectively **MUST** for **Full** tier (CRI-CORE automation).

What is a falsifiability manifest?

A structured file defining the conditions under which a claim can be proven false.
It contains: - The **hypothesis or objective**
- **Predicted outcomes**
- **Disproof criteria**
- **Validation plan**

- **Acceptance thresholds**
- **Known risks or edge conditions**

Each manifest lives under `/templates/falsifiability-manifest.md` or inside a run directory as `manifest.json`.
Without it, no result counts as scientific under AWO.

What counts as a valid run?

A **Run** is valid if: 1. It produces all required artifacts (`workflow_frozen.json`, `report.md`, `approval.json`, `SHA256SUMS.txt`).
2. The run is **attested** by at least one reviewer role (see ADR-0012).
3. All referenced files exist and match their recorded SHA-256 hashes.
4. The falsifiability manifest is present and correctly linked.

If any of those conditions fail, the run is non-compliant and cannot be archived or cited.

Can I just fork this and run it privately?

Absolutely — all repositories are open under **Apache-2.0 (code)** and **CC-BY-4.0 (docs)**.
However, don't describe your work as "AWO-compliant" unless your fork meets every clause of the **Method Spec**.
That label implies reproducibility and auditability; misuse weakens the standard.

Who reviews contributions?

Contributors act under formal AWO roles:

Role	Responsibility
Critic	Challenges logic, tests falsifiability, and identifies weaknesses.
Auditor	Verifies conformance to the Method Spec and attests to result integrity (`approval.json`).
Maintainer	Performs final merge after checks pass and governance entries are updated.
Observer	Reviews passively to learn the process.

Each contribution must include its reviewer roles in the PR or run manifest.

I don't have a research question yet.

Start small: 1. Replicate an existing run in `/runs/` to understand the process.
2. Draft a falsifiability manifest around something you're curious about — even a trivial test case.
3. Open a discussion thread in the repository to get feedback from other contributors.

The goal isn't to predict the future — it's to test your reasoning pipeline.

Who is behind this?

Waveframe Labs was founded by **Shawn C. Wright** as part of the **Aurora Research Initiative**.
It combines independent researchers, AI systems, and reproducible workflows to demonstrate **neurotransparent, falsifiable scientific collaboration** without institutional barriers.
Core governance follows the **AWO Method Specification** (docs/AWO_Method_Spec_v1.2.1.md).

I found a bug in CRI-CORE or a method issue. Now what?

Open an **Issue** in the relevant repository with: - The observed behavior
- The expected behavior
- The commit SHA and environment
- A minimal falsifiability manifest reproducing the bug

If the issue is valid, it will be logged in `/logs/governance/` and acknowledged in the next `CHANGELOG` update.
Confirmed corrections are cited and credited publicly.

Still have questions?
Contact **swright@waveframelabs.org** — or open a GitHub Discussion tagged `question`.
Either way, the response will be logged, versioned, and auditable.
