

How BGecko turns ideas into reproducible artifacts.

Cycle overview

- 1) Question -> 2) Literature map -> 3) Conjecture/model -> 4) Proof/experiment -> 5) Internal review -> 6) Publish -> 7) Iterate.
- Treat research as engineering: version control, testing, and release discipline.

Artifact requirements

- Every claim maps to evidence: theorem/proof, experiment, or reference.
- Every result has: code, environment, data lineage, and an experiment log entry.

Internal review

- Red team: try to break claims and reproduce results.
- Write a short 'failure modes' section before publishing.

Publishing lanes

- Marble Publishing: narrative + math/engineering writeups.
- The Garden (GitHub/tooling): code, notebooks, utilities, datasets.

Ethics & privacy

- Only collect what you need; treat any personal/customer data as restricted.
- If uncertain, publish derivations and synthetic demonstrations until real data is safely governed.