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病理科研工作台

Pathology Research Workspace

Loupe 面向病理科研：整理研究材料、辅助起草基金申请书，并运行可复核的计算实验。从一个研究目标开始，保留来源、版本和任务过程，由研究者核对事实与结论。

Loupe is a workspace for **pathology research**: organize materials, draft grant proposals, and run **reproducible computation**. Start with a research goal, keep sources, versions and task history, and review the facts and conclusions yourself.



真实产品界面，材料与项目均为合成演示。

Real product interface with synthetic materials and projects.

资料与证据

Materials & evidence

批量添加、片段检索、来源定位；明确选择跨项目复用。

Batch materials, retrieve passages and locate sources; choose cross-project reuse explicitly.

章节与版本

Sections & versions

按章节编辑与改写，保留来源和修订，缺失事实标为待补。

Edit and rewrite a section with sources and revisions; keep missing facts marked as missing.

计算与复现

Compute & reproduce

固定 CPU 统计保留输入、脚本、指标和图表。

Fixed CPU statistics retain inputs, scripts, metrics and figures.

过程与控制

Progress & control

查看任务、预算和成果；停止保留数据，清理先预览。

Inspect tasks, budgets and artifacts; stopping retains data and cleanup starts with a preview.

先设定目标，再整理材料、固定方法、起草或计算，最后核对并保存成果。

Set a goal, organize materials, freeze the method, draft or compute, then review and save artifacts.

Loupe · 科研方法与使用范围
Methods and usage scope

共享技能，独立适配模型

Shared skills, separate model adapters

证据综述、可复现分析、基金草稿三项技能固定到任务。Codex 接收标准 SKILL.md 技能包，不等于直接执行 Codex。Kimi、DeepSeek 已有接口适配与离线续接验证，线上同题质量对照尚未完成。
Evidence review, reproducible analysis and grant drafting are frozen into tasks. Codex receives standard SKILL.md bundles, rather than direct Codex execution. Kimi and DeepSeek have adapters and offline continuation checks; online matched-task quality comparisons remain outstanding.

三个病理方向

Three pathology directions

乳腺癌 **TROP2** **Breast cancer TROP2**	方案参考稿 · 配对与一致性规则 · 待补材料清单 Study-plan draft · pairing and agreement rules · missing materials
结直肠癌出芽 **Colorectal tumor budding**	证据对照表 · 空间研究计划 · 外部验证规则 Evidence table · spatial-study plan · external-validation rules
肾小球慢性损伤 **Chronic glomerular injury**	量化研究草稿 · 分母与失败规则 · 多中心验证计划 Quantification draft · denominator and failure rules · multicenter validation

以上为合成示例与研究计划，不代表已完成真实病例研究。
These are synthetic examples and study plans, not completed clinical studies.

本轮验证

Current verification

2026 年 11 月 14 日：后端 2056 项通过、11 项因可选环境跳过；前端 278 项通过。12 条公开合成记录的 AUC 为 2/3、Brier 为 0.245，假阳性为 DEMO-04、DEMO-05、DEMO-06。
14 November 2026: 2056 backend checks passed, with 11 skipped for optional environments; 278 frontend checks passed. The 12 public synthetic rows give AUC 2/3, Brier 0.245, and false positives DEMO-04, DEMO-05 and DEMO-06.

软件和合成数据检查不证明临床有效性；资料来源、申请人事实和科学解释仍需研究者核对。
Software and synthetic-data checks do not establish clinical validity. Researchers still review provenance, applicant facts and scientific interpretation.

从导览到本机试用

From walkthrough to local trial

公开官网提供三语导览、使用说明和合成 CSV，不在线调用模型或上传文件。试用包由项目维护者另行提供；预构建包需要 Python 3.11 或 3.12，首次联网准备依赖，无需 Node.js。
The public site provides trilingual tours, a usage guide and synthetic CSV, without model calls or file uploads. Trial packages are arranged separately with the maintainer. A prebuilt package requires Python 3.11 or 3.12 and initial network access for dependencies, without Node.js.

“体验病理示例”保持窗口打开，Ctrl+C 停止并保留练习；再次打开新建演示。“打开工作台”用于自己的研究，在后台运行，使用停止与清理入口管理。模型写作需配置连接；高级实验与 EvoScientist 默认关闭。仅供科研与教学。
Keep the pathology-example window open; Ctrl+C stops it and retains practice data. Reopening creates a new demo. The workspace launcher runs your own research in the background, with stop and cleanup controls. Model writing needs a connection; advanced experiments and EvoScientist are off by default. For research and teaching.

项目维护者
Project maintainer: github.com/Hxitech