

Weekly Progress Report (Feb 17 – Feb 23, 2026)

<https://github.com/anisanazim/ACIS-iChatBio>

What Did You Do?

- Refactored and analyzed the full extractor → planner → resolver → executor pipeline to understand failure points and multi-turn behavior.
- Mapped out how multi-agent patterns (ExtractorAgent, PlannerAgent, VerifierAgent) could be layered on top of the existing ALA pipeline.

What Problems Are You Facing?

LLM occasionally fails to extract q or other parameters.

What New Capabilities Does Your Agent Have?

More robust planner behavior - planner correctly infers species even when extractor fails.

What Will You Do Next Week?

- Will start migrating toward schema-driven extraction (Instructor + Pydantic) to eliminate malformed or empty outputs.
- Add a lightweight **VerifierAgent** to validate output
- Add a **Extractor Evaluation Suite** (20–30 test queries) to automate regression testing.