

AI Collaboration Field Note
for A Gentle Scientific Renaissance

Core Record

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Human lead: Michael J. Miller

AI collaborators: ChatGPT-4o

Degree of AI involvement: Light

Process and Judgment

Primary collaboration modes: critique, metaphor generation, revision, later-stage conceptual extension, and targeted drafting support.

Collaboration timeline:

Phase 1 (September 2023–June 2024): primarily human-led development of the article's core framing, ethical orientation, and conceptual arc.

Phase 2 (November 2024–January 2025): targeted collaboration with ChatGPT-4o during revision, critique, metaphor refinement, and limited drafting support.

Human contribution and responsibility: conceptual design, question-framing, judgment, selection, research synthesis, ethical responsibility, and final editing.

AI contribution: critique and structural review; later-stage conceptual extension; targeted drafting suggestions.

Guardrails used: two-stage ethical concept review; short-passage drafting; human final review.

AI suggestions set aside: Some suggestions pulled the article toward safer or more conventional framing. These were revised or set aside in order to preserve the article's exploratory and ethically reflective purpose.

AI surprise: Helped develop the Tree of Scientific Inquiry, including related weather-system and composting metaphors.

Final Responsibility

The human author retains final responsibility for the article's claims, citations, interpretations, ethical decisions, and submitted text.

Extended Field Note

Human-led development → AI-assisted critique → Metaphor refinement → Revision

A Gentle Scientific Renaissance developed across two distinct periods of work. The first phase was primarily human-led, with the article's core framing, ethical orientation, and conceptual arc established before the more formal AI-collaboration structure of *Una Mens* had fully emerged. In this early stage, AI played a limited role, if any, in the central design of the argument.

The later phase involved targeted collaboration with ChatGPT-4o during revision and refinement. In this phase, the AI collaborator contributed critique, structural review, metaphor generation, and limited drafting suggestions. Its most useful contributions involved helping clarify the article's image of scientific change as ecological rather than purely adversarial, including the Tree of Scientific Inquiry and related weather-system and composting metaphors.

Because this article was not produced through continuous AI co-drafting, the field note records a lighter and more punctuated form of collaboration. More specifically, this article was classified Light rather than Moderate because the argument's structure predates the collaboration; the AI's contributions were expressive, not architectural. AI assistance was used primarily to test, extend, and refine an already human-led argument. Final selection, synthesis, revision, and publication responsibility remained with the human author.