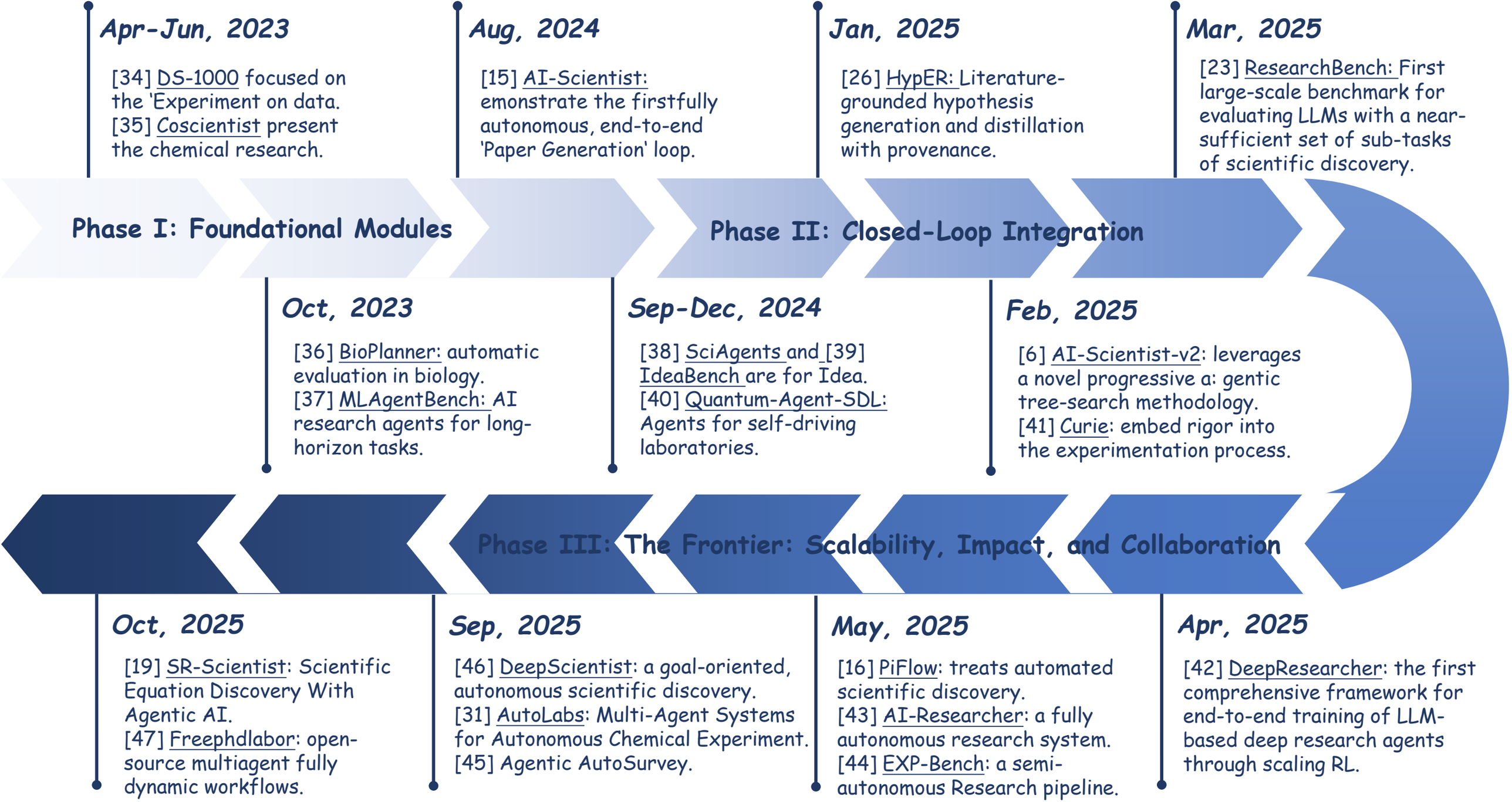
Apr-Jun, 2023
[34] DS-1000 focused on the 'Experiment on data.
[35] Coscientist present the chemical research.
Aug, 2024
[15] AI-Scientist: emonstrate the firstfully autonomous, end-to-end 'Paper Generation' loop.
Jan, 2025
[26] HypER: Literature-grounded hypothesis generation and distillation with provenance.
Mar, 2025
[23] ResearchBench: First large-scale benchmark for evaluating LLMs with a near-sufficient set of sub-tasks of scientific discovery.
Phase I: Foundational Modules
Phase II: Closed-Loop Integration
Oct, 2023
[36] BioPlanner: automatic evaluation in biology.
[37] MLAgentBench: AI research agents for long-horizon tasks.
Sep-Dec, 2024
[38] SciAgents and [39] IdeaBench are for Idea.
[40] Quantum-Agent-SDL: Agents for self-driving laboratories.
Feb, 2025
[6] AI-Scientist-v2: leverages a novel progressive a: gentic tree-search methodology.
[41] Curie: embed rigor into the experimentation process.
Phase III: The Frontier: Scalability, Impact, and Collaboration
Oct, 2025
[19] SR-Scientist: Scientific Equation Discovery With Agentic AI.
[47] Freephdlabor: open-source multiagent fully dynamic workflows.
Sep, 2025
[46] DeepScientist: a goal-oriented, autonomous scientific discovery.
[31] AutoLabs: Multi-Agent Systems for Autonomous Chemical Experiment.
[45] Agentic AutoSurvey.
May, 2025
[16] PiFlow: treats automated scientific discovery.
[43] AI-Researcher: a fully autonomous research system.
[44] EXP-Bench: a semi-autonomous Research pipeline.
Apr, 2025
[42] DeepResearcher: the first comprehensive framework for end-to-end training of LLM-based deep research agents through scaling RL.