

Hippo Memory - ARIA Rolling Seeds Budget

Applicant: Keith So | Opportunity Space: Mathematics for Safe AI | Duration: 18 months

Cost Category	Amount (GBP)	Justification
Personnel - Keith So (PI, 80% FTE, 18mo)	120,000	Lead engineering, experiment design, empirical validation, writing. Built Hippo v0.1 to v0.27.0.
Personnel - Applied Mathematician (100% FTE, 12mo)	85,000	Formal convergence proofs, stability analysis, verification toolkit. Recruited from UK postdoc pool.
Overheads (25% of labour)	51,250	ARIA standard overhead rate applied to total labour costs.
Compute - GPU clusters	45,000	Large-scale embedding experiments (10,000+ particle physics simulation), eval parameter sweeps.
Conference travel and publication	12,000	2-3 conferences (NeurIPS/ICML safety workshops, AAMAS). Open-access publication fees.
Equipment - development workstation	4,000	High-memory workstation for local large-scale simulation and development.
Contingency (approx 4%)	12,750	Buffer for recruitment timeline variance or extended compute requirements.
TOTAL (inclusive of VAT)	330,000	Within ARIA Rolling Seeds maximum of GBP 500,000.