

OPEN COLLABORATION AGREEMENT (OCA)

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Private Academic Researcher · Non-Agentive Governance Singapore × The Patent User

Preamble

This Open Collaboration Agreement ("OCA" or "Agreement") is entered into between the parties identified below, for the purpose of conducting open, non-commercial academic research in the field of Non-Agentive AI governance, constitutional AI in eldercare, and related disciplines. This Agreement is not a contract of employment or commercial partnership. It establishes the terms under which Edwin Koh Wui Kiat participates as a Private Academic Researcher affiliated with The Patent User for defined research purposes, on a non-remunerated, open-collaboration basis.

1. Executive Summary

I, Edwin Koh Wui Kiat, Founder of Non-Agentive Governance Singapore [UEN 53522354D] (ACRA T260229801), as a Private Academic Researcher formalise the collaboration through an Open Collaboration Agreement (OCA). The partnership is structured to be non-commercial (jointly with a viable commercial), academically open, and constitutionally governed.

I bring a complete, patent-filed, ACRA-registered, and NLB-vaulted governance framework — the **Immutable Hardware-Enforced Non-Agentive AI Governance Engine [NAIGE] Governance Systems** and Non-Agentive AI 2.0™ — that addresses the precise research mandate of Ageing in Society, Technology for Eldercare, and Responsible AI governance.

The NAIGE framework is a revolutionary non-agentive AI governance system designed to ensure absolute clinical safety by prioritizing hardware-locked certainty over unpredictable probabilistic software. It treats AI strictly as an advisory instrument, stripping it of all independent decision-making power through a deterministic hardware layer.

2. Proposer Profile — Private Academic Researcher

- Full Name:** Edwin Koh Wui Kiat
- Designation:** Founding Father, Non-Agentive AI 2.0™
- Entity:** Non-Agentive Governance Singapore [UEN 53522354D] · ACRA T260229801
- Filed Patent:** SG020603109STW · ABC+2S Guardian Framework™ · IPOS · 5 Feb 2026

- IP Portfolio:** 77 patents across 14 groups (WD Space, WM Medical, WG Global, P-Register), 14 patents across the **Immutable Hardware-Enforced Non-Agentive AI Governance Engine [NAIGE] Governance Systems**

- Role:** Private Academic Researcher

- Collaboration Type:** Open, Non-Commercial, IP-Licensed Research Partnership

3. Proposed Research Directions

Direction A — Hardware-Enforced Physician-in-the-Loop (PITL) via NAIGE Governance

Systems in Clinical Settings *Research Study Type: Observational and Simulation* The proposed research examines how the **Immutable Hardware-Enforced Non-Agentive AI Governance Engine [NAIGE]** performs in real clinical workflows, compared against software-only governance frameworks. The study will quantify the efficacy of NAIGE's terminal hardware enforcement core—specifically the A12 Deterministic Black Box, the U7 Sovereign Brake, and the Sacred Pause™ timing gates—in preventing "agentive drift". Researchers will evaluate how these hardware constraints successfully mandate human sovereignty over kinetic actions, alongside recording Elder Dignity Score (EDS) outcomes enforced by NAIGE's 3ZEROS™ Privacy-by-Physics protocol.

Direction B — AI and Formal Methods Modelling of Constitutional Drift *Research Study Type: Formal Methods / AI Modelling · Output: 10-Point Sovereignty Audit Validation* Constitutional drift — the gradual erosion of a non-agentic AI system's governance constraints under operational pressure — is the central long-term risk of deployed clinical AI. The proposed research develops a formal computational model of constitutional drift using AI verification frameworks, producing a validated, mathematically rigorous version of the 10-Point Sovereignty Audit.

4. Contribution and Exchange Matrix

Edwin Koh contributes:

- **Immutable Hardware-Enforced Non-Agentic AI Governance Engine [NAIGE] Governance Systems** specifications, including the A12 Deterministic Black Box, A7 Bridge Hub, and WD117 Enhanced WORM Ledger.
- ABC+2S+H framework (full specification).
- Patent SG020603109STW (non-exclusive research licence).
- 77-patent portfolio (reference and citation rights).
- 14-patent portfolio (reference and citation rights).
- 2 Paperback (SG Publication ISBNs), 76 White Papers and 81 WISL e-books (ISBNs).
- Toa Payoh Hearth deployment data (simulation baseline).
- 10-Point Sovereignty Audit framework.
- Expert advisory time at zero cost.

The Patent User contributes:

- Non-commercial or Viable Commercial Production Infrastructure.
 - Academic Research Infrastructure and Lab Facilities.
 - Co-authorship and joint publication rights.
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5. Intellectual Property and Governance Principles

The partnership is governed by the following constitutional IP principles, which are non-negotiable and precondition all OCA negotiations:

●**5.1 IP Ownership:** All intellectual property originated by Edwin Koh Wui Kiat — including the ABC+2S+H framework, all 77+14 patents, white papers, and the NAIGE architecture — remains the sole property of Edwin Koh Wui Kiat and ACRA T260229801. No transfer of IP ownership occurs under the OCA.

●**5.2 Research Licence:** Tiger grants The Patent User a non-exclusive, non-transferable, royalty-free licence to use, reference, and build upon NAIGE (NAI 4.0) and NAI 2.0 and IP for the specific academic research directions defined in the OCA. Commercial licences can be discussed separately.

●**5.3 Publication Rights:** Both parties hold co-authorship rights over jointly produced research outputs. Tiger retains the right to publish independently and to incorporate research findings into his NAIGE [NAI4.0] and NAI 2.0 white paper canon.

●**5.4 Commercial Exploitation:** Parties may explore commercializing jointly produced research outputs with a separate commercial licensing agreement. The WG-B1 and WG-Series patents are unconditionally gifted to WHO and UN at zero licensing fees and are EXCLUDED from any commercial discussion.

●**5.5 Sovereignty Audit:** Any AI tool or system deployed in the joint research must pass the 10-Point Sovereignty Audit. This is a constitutional requirement under NAIGE [NAI 4.0] and NAI 2.0 Clinical Governance .

●**5.6 P-LIFE 1.00™ and NAIGE Fail-Safes:** All clinical research directions must comply with P-LIFE 1.00™: Harm = Death, North = Save Life. Under the **Immutable Hardware-Enforced Non-Agentive AI Governance Engine [NAIGE] Governance Systems**, this requires strict adherence to the "Inaction-as-Safe-Default" doctrine. Any deployment must utilize the U7 Sovereign Brake mechanism, ensuring that any detected anomaly, breach, or lack of authorization physically severs power to actuators and returns the system to absolute mechanical stillness. Any research finding that risks patient harm without these constitutional safeguards is excluded from joint publication.

Execution

By signing below, each party confirms that they have read, understood, and agreed to all terms of this Open Collaboration Agreement, and that they are authorised to sign on behalf of the entity they represent.

Party 1 — Academic Private Researcher Signature: _____ **Edwin Koh**
Wui Kiat Foundation Academic and Research, **Immutable Hardware-Enforced Non-Agentive AI**
Governance Engine [NAIGE] Governance Systems, Non-Agentive AI 2.0™ Non-Agentive
Governance Singapore · ACRA T260229801

Date: _____

Party 2 — The Patent User Signature: _____

Name: _____

Title: _____

Date: _____